TAPR APRS Special Interest Group Archive, January 2002 through December 2002

January 2002 through December 2002

TAPR's discussion forum for the Automatic Packet Reporting System (APRS), including software, hardware, GPS, mapping, networking, operations, and related technical topics.

This volume contains 7 original monthly files and 5,737 messages, arranged chronologically. The PDF is a readable access copy: MIME transfer encodings are decoded, HTML bodies are converted to plain text, and non-text attachments are represented by descriptive notes. The raw source text is supplied separately with the Internet Archive item.

Month	Messages	Original source file
2002-01	912	aprssig.0201
2002-04	998	aprssig.0204
2002-06	1,083	aprssig.0206
2002-07	894	aprssig.0207
2002-10	554	aprssig.0210
2002-11	683	aprssig.0211
2002-12	613	aprssig.0212

January 2002

Original source file: aprssig.0201
Source: http://ftp.tapr.org/tapr_history/SIG_Archives/aprssig/mail_archive/aprssig.0201

1. [aprssig] OnStar GPS Unit

```
From: "Jack Smith" <jrs38801@bellsouth.net>
Date: Tue, 1 Jan 2002 00:21:26 -0600
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-54437-2002.01.01-00.50.44--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain
```

```
I saw a message earlier about the OnStar GPS units.  Is there anybody out there that has any info on
them?  Wiring, locations in the vehicles, etc?  This sounds like it could be a great source for GPS
units.

Jack KE4LWT
```

---

2. [aprssig] Garmin 176C Questions for use with APRS

```
From: BordingK@aol.com
Date: Tue, 1 Jan 2002 11:15:24 EST
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-54482-2002.01.01-10.44.44--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain
```

```
This may have been covered before, but since I've gone back to grad school I
haven't followed the list very closely.

I couldn't find anything on the TAPR archives so I'll ask the group:

Anyone with hands on experience with the Garmin 176C that can answer a few
questions regarding suitability for use with mobile APRS:  I'm thinking about
upgrading from my Garmin III+ in the car:

1) Will the 176C accept waypoints (station locations) from the Kenwood D700?

2) What are the users impressions of the unit.

Might be best to respond directly if this has been covered before.

Thanks in advance.

DE W5KNB
Ken in Jax, FL
```

---

3. [aprssig] Re: Garmin 176C Questions for use with APRS

```
From: James Ewen <jewen@shaw.ca>
Date: Tue, 01 Jan 2002 10:52:26 -0700
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-54508-2002.01.01-12.21.42--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain
```

```
1) Will the 176C accept waypoints (station locations) from the Kenwood D700?

>From Garmin's webpage...

**These units are also able to transfer waypoints, routes, and tracks
between the PC and GPS using MapSourceª.

also...

NMEA In/NMEA Out - supports the input/output of standard NMEA 0183 version
2.3 data, and sonar NMEA Input support for the DPT, MTW and VHW sentences.

I haven't played with a 176, but it sure looks like a nice GPS. Anything
that gives you a larger screen will make the maps look better. Pretty soon
the GPS units will be up to 1024 * 768 at 32K colours.

James
VE6SRV




---
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Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org
```

4. [aprssig] Re: APRS/CE

From: "John L. Place" <jplace@sc.rr.com>
Date: Tue, 01 Jan 2002 14:52:17 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: TAPR APRS Special Interest Group <aprssig@lists.tapr.org>
Message-ID: <LYR842-54516-2002.01.01-14.23.12--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

```
I believe Arnie said that I could use the same maps that WinAprs uses.



"Mark A. Foley" wrote:

> Has anyone answered your question yet?
> Mark, NA4V
>
> > -----Original Message-----
> > From: bounce-aprssig-23858@lists.tapr.org
> > [mailto:bounce-aprssig-23858@lists.tapr.org] On Behalf Of
> > John L. Place
> > Sent: Monday, December 31, 2001 7:54 PM
> > To: TAPR APRS Special Interest Group
> > Subject: [aprssig] APRS/CE
> >
> >
> > Anyone know where the map files go in Aprs/CE and what format
> > they are? I downloaded the latest Beta but did not see
> > anything on maps or docs.
> >
> >
> >
```

[Attachment: jplace.vcf; text/x-vcard; 184 bytes]

---

5. [aprssig] Re: Linux based IGate

From: "Rich Garcia" <k4gps@arrl.net>
Date: Tue, 1 Jan 2002 15:08:31 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: TAPR APRS Special Interest Group <aprssig@lists.tapr.org>
Message-ID: <LYR842-54517-2002.01.01-14.37.48--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

```
No that was just an example, Wes's page covering Sound Card modems is
VERY complete and step by step. I was hoping that someone who knows
Linux well and knows the Linux Igate program could set up a page with
step by step instructions for those of us who don't know linux but do
want to set up a Igate on Linux.

I want to be able to get the cheapest computer to do the igate so it
can sit in the corner on the floor and just WORK! no re-boots etc.
etc, set and forget. I have a 386 or a 486/P75 which should run Linux
well enough to run the igate. There are hundereds of 386's and Non
Pentium 486's out there now for free. With the advent of DSL
spreating to all parts of the country Igate's should be very easy to
setup.


On 31 Dec 2001 at 15:49, Jeff King wrote:



Rich Garcia wrote:

> I was looking for similar information myself. I have never run Linux
> but would like to use linux on a 386 box that I have for a dedicated
> Igate on my DSL line.
>
> Could anyone set up a web page as Wes has with the Sound Card modem
> information. A page like that set up with Linux info would help many
> and maybe assist some of us to learn Linux.


Google is your friend:

http://www.google.com


Entering   linux ax.25 sound card    comes back with 3000+ hits.
```

A 386 might be a bit weak to run a sound card modem, but a 486
should be fine (but never tried a 386 so who knows?).

-Jeff

```
|-------------------------------------------------------------------
----|
| Jeff King   248-471-1787  F 248-471-0279 e-mail: jeff@aerodata.net
    |
|
    |
| "They that give up essential liberty to obtain a little temporary
safety|
| deserve neither liberty nor safety."  -- Benjamin Franklin, 1759
    |
|-------------------------------------------------------------------
----|
```

Rich Garcia K4GPS Ex: KA2FXA and N2CZF
k4gps@arrl.net
Jupiter Farms, Florida
http://www.jupiterfarmscert.org

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6. [aprssig] TAPR blocked

From: Jeff Brenton <jeffb@csrye.org>
Date: Tue, 1 Jan 2002 14:12:31 -0600
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-54518-2002.01.01-14.42.25--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

I just lost my connection to TAPR.ORG, because the HFSIG isn't
configured to block non-member access. It seems that it accepted mail
from "teeniesuckathhon3f42v4@msn.com", and someone on the list
forwarded it to SPAMCOP.NET.

Short version: SPAMCOP.NET blacklisted TAPR.ORG because it exceeded
the spam threshhold, and now my system is blocking incoming mail from
it. Since I can't afford to disable SPAMCOP screening, I'll
unsubscribe to keep things from bouncing.

--

Jeff Brenton KA9VNV
Questionable web page: http://dididahdahdidit.com

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---

7. [aprssig] Re: Linux based IGate

From: "Wes Johnston" <kd4rdb@netzero.com>
Date: Tue, 1 Jan 2002 15:44:57 -0800
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-54522-2002.01.01-15.14.18--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

----- Original Message -----
From: "Rich Garcia" <k4gps@arrl.net>
Subject: [aprssig] Re: Linux based IGate

> No that was just an example, Wes's page covering Sound Card modems is
> VERY complete and step by step. I was hoping that someone who knows

Actually, the sound card tutorial is by Ralph Milnes, KC2RLM. The page
launches inside a frame in your browser, so it looks like it's my work....
and I'd love to claim credit for such a fine tutorial!!

http://www.qsl.net/soundcardpacket/
http://wes.johnston.net/aprs/

Wes

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8. [aprssig] RE: APRS/CE

From: "Rob Wittner" <rmw@rwa-inc.com>
Date: Tue, 1 Jan 2002 15:57:37 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-54530-2002.01.01-15.28.56--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

John,

You can use Win/MacAPRS, dosAPRS, or PocketAPRS maps. Place them in any directory or on any sort of external storage (CF, MMC, SD, Microdrive, whatever). When you start APRS/CE, it will search the directory tree (quickly!) for any and all map files. If the program is running when you copy a map file or insert removable storage, select File->Refresh Map List and APRS/CE will re-scan the directory tree for maps.

Hope this helps...

-Rob
KZ5RW

-----Original Message-----
From: bounce-aprssig-1679@lists.tapr.org
[mailto:bounce-aprssig-1679@lists.tapr.org]On Behalf Of John L. Place
Sent: Monday, December 31, 2001 7:54 PM
To: TAPR APRS Special Interest Group
Subject: [aprssig] APRS/CE

Anyone know where the map files go in Aprs/CE and what format they are?
I downloaded the latest Beta but did not see anything on maps or docs.

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9. [aprssig] ADMIN: Happy New Year!

From: Stan Horzepa <stanzepa@earthlink.net>
Date: Tue, 01 Jan 2002 17:24:31 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-54548-2002.01.01-16.54.35--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

(This message is posted on the APRSSIG on a monthly basis.)

PURPOSE

The purpose of the APRSSIG is to provide a forum for folks interested in discussing APRS, in general. (Other TAPR SIGs are available for discussing specific APRS topics, for example, APRSSAT for APRS satellite applications.)

POSTING MESSAGES

To post messages to the APRSSIG, send email to aprssig@tapr.org

APRSSIG RULES

The APRSSIG has a few simple rules:

. Be courteous. Abusive, insulting, or rude behavior demonstrated towards another list member is a violation of this rule.

. Stick to the subject, i.e., APRS. Subjects that are only tangentially related to APRS (like ³what kind of car should I buy for my APRS tracker?²) may be considered off-topic. If you start a message with ³this is off-topic□² then you are violating this rule.

. Be succinct when composing a message. (The APRSSIG software has been optioned to limit the length of each message.)

. When quoting a previous message, only quote the parts of that message you are referencing. (The APRSSIG software has been optioned to limit the length of a quote.)

. Do not send messages in HTML of Rich Text format.

. Do not send attachments.

. Cross-posting is not permitted. (The APRSSIG software has been optioned to prevent cross-posting.)

. The APRSSIG administrator reserves the right to suspend or ban any list member who violates these rules.

UNSUBSCRIBING

To unsubscribe from the APRSSIG, follow the directions you will find at the bottom of each message you receive from the APRSSIG.

QUESTIONS, COMMENTS, ETC.

If you have any questions, comments, etc. concerning the APRSSIG, please email the APRSSIG administrator at the address below.

Stan Horzepa, WA1LOU, wa1lou@tapr.org

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10. [aprssig] UI-VIEW QUESTION

From: "Andrew Rich" <andrew.rich@bigpond.com>
Date: Wed, 2 Jan 2002 09:54:03 +1000
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-54570-2002.01.01-18.22.26--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

What does it mean when ui-view rings a bell instead of speaking callsigns ?

Is there something a miss ?

Andrew VK4TEC

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11. [aprssig] OnStar GPS Units

From: "Ray A. Krohn" <kd3rn@ptd.net>
Date: Tue, 01 Jan 2002 22:03:10 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-54603-2002.01.01-21.32.39--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Anyone interested I do have wiring diagrams and locations for the earlier OnStar units.

Ray KD3RN
[Attachment: kd3rn.vcf; text/x-vcard; 264 bytes]

12. [aprssig] Re: PCsat Status and Planning for FULL SUN!

From: Bob Bruninga <bruninga@usna.edu>
Date: Tue, 1 Jan 2002 23:05:41 -0500 (EST)
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: TAPR APRS Special Interest Group <aprssig@lists.tapr.org>
Message-ID: <LYR842-54614-2002.01.01-22.34.57--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

```
On Mon, 31 Dec 2001 greg@snoopy.gwr.com wrote:

> With all due respect Bob, I disagree that "this is what satellite
> operations are all about". I think it's more a case of "you get what you
> pay for."
>
> When PCSat was launched, it was touted as being extremely low cost and
> using off-the-shelf components.  While that's a worthwhile goal, it
> appears that you're paying the price personally now in time and
> convenience when the issues probably could have been largely mitigated by
> not building the spacecraft on the extreme cheap.  For instance, while
> using off-the-shelf TNC's may have been a simple, cheap payload, it's
> requiring babysitting and ground command up to 14 times per day.

That has nothing to do with it.  The reason we are in trouble is because
of the loss of 25% of our power budget in the failure of the -Z panel.
And it is that panel which was the only one which used space rated cells
and which we contracted out for.

> It may be justification to present some midshipmen the opportunity to
> design and build a TT&C package that could take better care of itself,
> for instance.

Nothing can take care of the lack of power in eclipse except more solar
power when we are in sun.

> I work in the satcom field, and god knows I'd love to see space segment be
> less expensive -- but the main reason space-anything is so expensive now
> (aside from launch costs) is because of the stringent reliability and
> redundancy requirements on hardware you deploy and can never touch again.

All of the off-the-shelf commercial items have worked flawlessly.  Only
the hand-assembled contracted out space-rated solar panel did not.

> While PCSat is a fun toy at this point, I wouldn't presume to rely on it
> in any form for the types of "off the beaten path" applications you've
> been suggesting for it.  Without reliability it's as good as useless for
> any safety-related functions.

I dont think it is wise for anyone to depend on HAM radio experimental
payloads for any safety-related functions.  There are plenty of existing
SAR satelites for such purposes that are more reliable.

de WB4APR@amsat.org, Bob

PCsat WEB  page     http://www.ew.usna.edu/~bruninga/pcsat.html


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```

13. [aprssig] AVRS and IRLP

From: Bob Bruninga <bruninga@usna.edu>
Date: Tue, 1 Jan 2002 23:16:54 -0500 (EST)
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: <irlp@irlp.net>
Message-ID: <LYR842-54615-2002.01.01-22.46.09--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

```
Automatic Voice Relay System (AVRS):

To help prime the pump of interest in IRLP and APRS and AVRS, it might be
useful if some of those APRS nuts on here that are also heavily into IRLP
would indicate their node number so that others can call them while just
out driving around...

SOmething like:

Send an APRS mobile message to him.  If you get an ACK from his mobile,
then IRLP him since you know he is there.  Without targets, its like
shooting in the dark...
```

```
OR!!!  IGates could add something like AVRS to their GATE-TO-RF list.
Then if I am out mobiling and want to chat via AVRS, I just send a message
to AVRS and everyone on the planet with AVRS in their message groups will
get it...

Interested AVRS mobiles need to have AVRS in their D7 and D700 message
groups..

de WB4APR@amsat.org, Bob

AVRS  page     http://www.ew.usna.edu/~bruninga/avrs.html



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```

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14. [aprssig] Re: AVRS and IRLP

```
From: James Ewen <jewen@shaw.ca>
Date: Tue, 01 Jan 2002 21:51:31 -0700
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: irlp@irlp.net
Message-ID: <LYR842-54616-2002.01.01-23.20.47--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain
```

```
> To help prime the pump of interest in IRLP and APRS and AVRS, it might be
> useful if some of those APRS nuts on here that are also heavily into IRLP
> would indicate their node number so that others can call them while just
> out driving around...

Always happy to be labeled as one of the nuts! 8)

James
VE6SRV Node 124


---
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```

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15. [aprssig] Re: [ui-view] UI-VIEW QUESTION

```
From: Ken Collins <g4fip@btinternet.com>
Date: Wed, 2 Jan 2002 07:04:56 +0000
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-54641-2002.01.02-01.36.07--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain
```

```
In article <ECEGIMFHNGEABCFCKPGBOEEECEAA.andrew.rich@bigpond.com>,
Andrew Rich <andrew.rich@bigpond.com> writes
>What does it mean when ui-view rings a bell instead of speaking callsigns ?

It means you haven't enabled 'Synth Callsigns' in the Miscellaneous
setup.

BTW, both copies of your message appeared on the APRSSIG.   ;-)

--
Ken Collins - G4FIP
e-mai:- g4fip@btinternet.com
http://www.btinternet.com/~g4fip



---
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```

---

16. [aprssig] Re: [ui-view] UI-VIEW QUESTION

```
From: Ken Collins <g4fip@btinternet.com>
Date: Wed, 2 Jan 2002 07:15:56 +0000
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-54642-2002.01.02-01.45.53--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain
```

In article
<LYR26201-54641-2002.01.02-01.36.07--g4fip#btinternet.com@lists.tapr.org>
, Ken Collins <g4fip@btinternet.com> writes
>BTW, both copies of your message appeared on the APRSSIG.   ;-)

Oooops! Sorry Andrew, ignore that. It was due to a quirk in a new
version of the mailer I use.   %-)

--
Ken Collins - G4FIP
e-mai:- g4fip@btinternet.com
http://www.btinternet.com/~g4fip

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17. [aprssig] Re: [ui-view] UI-VIEW QUESTION

From: "Andrew Rich" <andrew.rich@bigpond.com>
Date: Wed, 2 Jan 2002 18:35:11 +1000
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-54643-2002.01.02-03.03.36--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Thank-you ! at last ....

andy vk4tec

-----Original Message-----
From: bounce-aprssig-23621@lists.tapr.org
[mailto:bounce-aprssig-23621@lists.tapr.org]On Behalf Of Ken Collins
Sent: Wednesday, 2 January 2002 5:05 PM
To: TAPR APRS Special Interest Group
Subject: [aprssig] Re: [ui-view] UI-VIEW QUESTION

In article <ECEGIMFHNGEABCFCKPGBOEEECEAA.andrew.rich@bigpond.com>,
Andrew Rich <andrew.rich@bigpond.com> writes
>What does it mean when ui-view rings a bell instead of speaking callsigns ?

It means you haven't enabled 'Synth Callsigns' in the Miscellaneous
setup.

BTW, both copies of your message appeared on the APRSSIG.   ;-)

--
Ken Collins - G4FIP
e-mai:- g4fip@btinternet.com
http://www.btinternet.com/~g4fip

You are currently subscribed to aprssig as: andrew.rich@bigpond.com
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Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

18. [aprssig] Re: AVRS and IRLP

From: "Bud Talbot" <kb9wvg@arrl.net>
Date: Wed, 2 Jan 2002 9:32:15
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-54668-2002.01.02-10.01.33--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

I use Ilink (rather than IRLP) for voice at home, so for some time I would
include "on Ilink #1347" in my status or data text when my aprs station was
running. It never generated any contacts, but now that we have a local
repeater on Ilink, I was thinking of having "voice SGLS rptrs Ilink #5196"
in the text.

I was also wondering if there might be a way to view the status of the Ilink system via aprs when mobile. On M0CSH web page for Ilink, there's an area that lists all of the stations currently on the system. If you could access that on your aprs terminal, then you could call up a specific station on your local Ilink repeater.

You'll have to forgive me if I've made some gross assumption- I'm relatively new (<2 months) to aprs.

73
Bud
KB9WVG

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19. [aprssig] New License-Free I-BAND!

From: Bob Bruninga <bruninga@usna.edu>
Date: Wed, 2 Jan 2002 10:36:04 -0500 (EST)
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-54670-2002.01.02-10.05.20--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

I modified the suggested I-Band formats a little to put them into pseudo-AX.25 format so that they can be used transparently via any packet system and not just on the internet. Or more importantly, so that existing APRS software can monitor the I-CW HUB and see what is going on. I just figured we may as well use AX.25 for continuity and compatibility for any unseen future applications:

```
CALL>ICWnnn:>Gridsq/$,freq,chirp,weight,decay,tone....
CALL>ICWnnn::TOCALL:Speed,delay,etc,text....
```

The first packet which contains the I-CW's station fixed data and his current operating "frequency" is in APRS Grid Square format so we can plot him if needed for propagation simulation...

The second packet which contains the I-CW's station streaming CW text is placed in an APRS message format so that APRS monitors can watch the QSO's if they want...

ICWnnn is the version number of whatever the ICW software is....

It is NOT intended that any of this will use existing APRS HUBs or networks or channels. They will use a new single ICW hub system.

Here was the original posting if anyone missed it...

---------- Forwarded message ----------
Date: Mon, 31 Dec 2001 12:09:34 -0500 (EST)
From: Bob Bruninga <bruninga@usna.edu>
To: TAPR APRS Special Interest Group <aprssig@tapr.org>, amsat-bb@AMSAT.Org
Subject: [amsat-bb] New License-Free I-BAND!

The Novice-I-BAND is a new licensefree virtual Novice band. It is intended to serve as a gathering ground for newcomers learning the Morse Code.

See http://www.ew.usna.edu/~bruninga/i-band.html

I-BAND is a virtual Novice band linked worldwide by the internet. The I-Radio is a virtual radio with all the knobs and slide-rule-dial of a classic HAM radio. You could download your I-Radio from the ARRL BIG-PROJECT office (the school outreach project) and it would come with your unique I-License call letters built in (and tied to you).

You plug your CW-KEY into the serial port (CTS line) and you are on the "air!"... Or use the mouse clicker...

NO, I-Band and the I-Radio do not yet exist... but why not? The APRS worldwide system of HUBS and steaming packets shows how easy it is to do LIVE real-time packet on the internet. Why not CW?

WHY I-BAND?

When I was a kid, the novice bands were full of wonderful bleeps all jammed into a narrow slice of spectrum. It was alive and vibrant...

Last time I checked 80m in the evening, I had to tune for several minutes before I found a novice. This was not encouraging as we try to get kids interested in HAM radio. And the ARRL is receommending eliminating the Novice bands entirely.

But having formed Kids Radio Clubs at my kids Schools and Scout troops, I find that middle-school kids just love to learn the Morse code. Like Hogwarts and Hobbits, its a neat thing... It is the code that fascinates them and sets them apart. I am not a CW fanatic. (See OP-ED June QST 2001. http://www.ew.usna.edu/~bruninga/darth.txt) Its just that now in my 50's that I am concentrating on kids, I find that CW does have an attraction. Kids often are speechless when handed a mic. But CW is a secret code. It doesnt matter what you say, it is new and different and an end in itself.

Why I-BAND? Because as a kid learning the morse code back in 1950's all the kids were exposed to the code (Boy Scouts etc required it). I strung up bits of wire around the neighborhood to form a telegraph system for all us kids to hone our skills.

Today, such attempts would only bring law suits.

I-Radio has *NO* bells and whistles. It has no waterfall display, no text display, and no voice capabilty. It is a CW only rig and is intended that way. But what comes out of its speaker is about as realistic a sound as the Novice bands used to be.

No, I-BAND and the I-Radio do not exist. I dont know how to write that kind of real-time DSP code, but the talent to produce it and the worldwide Internet HUBS developed for APRS show how easy such an application can be. All we need is a coder interested in the future of the hobby and ready for a new challenge to win back the kids of today.

DETAILS: Here are some more specifications on of how this system should be designed:

USER INTERFACE:

```
   Frequency: Sliderule frequency display (not digital) with pointer
   Tuning:    Click and slide the pointer
   Reception: Speaker (hears everything in the passband).
   Sending:   CW Key on CTS line, or click on the key paddle icon
   Setup:     Select the following configuration items.
              Antenna: (dipole, V, long wire, etc)
              Power:   (QRP, up to legal limit)
              Fist:    (defaults to random hashed from your call)
```

XMIT TEXT DISPLAY: The only input device is the CW key. No keyboard input of QSO text should be permitted. But a text display of your outgoing decoded CW is OK as feedback to the quality of your fist.

XMIT BUFFERS: Such as CQ CQ CQ de XXXXX XXXXX are OK, but they can only be loaded by CW Key.

STATION LIST: A list of all stations on the "air" can be available. The list will show calls and frequency and can be sorted either way.

PROTOCOL:

Invisible to the users, data must be exchanged worldwide in near real time so that all copies of the I-Radio generate the proper virtual sounds. This is not done with streaming audio, but synthesized CW at the receiver from fundamental characteristics received via the TCPIP link to the central CW-HUB. There are two kinds of TCPIP data packet. The first contains the fixed information such as frequency, and the second type contains the actual streaming CW text:

```
CALL,freq,chirp,weight,decay,tone.... [sent any time the freq changes]

CALL,spd,delay,text,on-off-bit-data                [sent periodically]
```

On receipt, each I-Radio uses these streaming data packets to produce a realistic virtual sounding reproduction. What comes out of the speaker can be one tone, or dozens, all reproduced in accordance with each one's "transmitted" frequency and the instantaneous setting of the I-Radio receiver. Each fist sounds unique because of the unique settings of the chirp, weight, decay and tone for each user. Chirp is the attack waveform, weight is the weight between mark and space, decay is the

```
decay waveform of each bit, and tone is any second order modulation
on the pure carrier.

Initially each I-Radio is delivered with a random fist but it can be
customized by the user.

On transmission, the senders fist is first decoded locally to give
feedback to the sender, and his frequency, speed, and weight are
determined.  Then the resulting CW text stream is transmitted along with
the characteristic data to allow faithful reproduciotn on the other end.
On receipt, the incoming streaming packets are delayed slightly to assure
continuity and then are used to key the waveform based on all the
previously received parameters.

Just thinking here...  Later we can add propogation and noise models to
each band and eventually could have an unbelievable virtual reality
worldwide ham band!  But I DIGRESS!  For now, we only want a place to
learn and "play" CW!

de WB4APR@amsat.org, Bob

See I-BAND!   http://www.ew.usna.edu/~bruninga/i-band.html


----
Via the amsat-bb mailing list at AMSAT.ORG courtesy of AMSAT-NA.
To unsubscribe, send "unsubscribe amsat-bb" to Majordomo@amsat.org


---
You are currently subscribed to aprssig as: lyris.aprssig@tapr.org
To unsubscribe send a blank email to leave-aprssig-842K@lists.tapr.org
Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org
```

---

20. [aprssig] PCsat Resets over Europe

From: Bob Bruninga <bruninga@usna.edu>
Date: Wed, 2 Jan 2002 11:49:33 -0500 (EST)
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-54681-2002.01.02-11.19.03--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

```
PCsat is doing well, but the past few days it seems to be resetting over
Europe even while in the sun.  With the current power budget, it should be
able to handle an average APRS load.

One thing that it *can't* handle is CONNECTS, RETRIES and TIMEOUTS and the
MAIL system.  All it takes is one or two stations to try to CONNECT to
PCsat or to the MAIL box and it will kill PCsat's power budget, and kill
it for the next orbits until it can be reloaded.

I cannot tell if this is happening, because the APRS internet feed only
feeds valid APRS packets.  So has anyone noticed any CONNECT attempts or
other abusive behavior that might explain why PCsat runs out of power over
Europe?

I dont need any callsigns and am not trying to pilorize anyone, just
trying to understand what is happening...  If someone is doing the wrong
thing, politely refer them to the web page below for help in how to use
PCsat...

de WB4APR@amsat.org, Bob

PCsat WEB  page     http://www.ew.usna.edu/~bruninga/pcsat.html


---
You are currently subscribed to aprssig as: lyris.aprssig@tapr.org
To unsubscribe send a blank email to leave-aprssig-842K@lists.tapr.org
Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org
```

---

21. [aprssig] APRSdos DOCS on line

From: Bob Bruninga <bruninga@usna.edu>
Date: Wed, 2 Jan 2002 15:56:15 -0500 (EST)
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-54702-2002.01.02-15.25.29--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

```
Donno why it took me 9 years to get around to this, but I will maintain a
link (2nd link down) to the current up-do-date set of ARPSdos docs on-line
```

```
now on my APRS page:

http://www.ew.usna.edu/~bruninga/aprs.html

Even if you don't run DOS, these TXT files contain all of the original
nuances, intents and purposes of all of the sub-topics of APRS that were
left out of the APRS Spec.                                de WB4APR, Bob


---
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To unsubscribe send a blank email to leave-aprssig-842K@lists.tapr.org
Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org
```

22. [aprssig] OnStar GPS

From: "Jack Smith" <jrs38801@bellsouth.net>
Date: Wed, 2 Jan 2002 16:34:40 -0600
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-54715-2002.01.02-17.04.00--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

```
Some time in the past week or so I saw a post about OnStar GPS units and NMEA compatibility.
Unfortunately, my system crashed!  Could the person who posted that please send me that info directly?

Thanks,
Jack KE4LWT
```

23. [aprssig] PCsat LED test

From: Bob Bruninga <bruninga@usna.edu>
Date: Wed, 2 Jan 2002 18:24:34 -0500 (EST)
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-54728-2002.01.02-17.53.56--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

```
We are preparing to do another PCsat LED test in the next few days and I
have sent an individual Email to all observers who have the equipment to
participate. (That is a precise tracking telescope and camera)...

If you did not get that email AND are capable, and interrested, and in the
Northern Hemisphere, then let me know.  The test must be in
the next few days since we wont get another chance for 2 months or so...

Unless you have special equipment, I would suggest everyone else ignore
this message and this test since it will probably just be a waste of your
time...

de WB4APR@amsat.org, Bob

PCsat WEB  page     http://www.ew.usna.edu/~bruninga/pcsat.html


---
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To unsubscribe send a blank email to leave-aprssig-842K@lists.tapr.org
Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org
```

24. [aprssig] Need frequency programing help..

From: Carl Taylor <carltt@bellsouth.net>
Date: Wed, 02 Jan 2002 20:26:28 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-54749-2002.01.02-19.55.43--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

```
I have a radio on the old APRS freq (155.79) and I want
to put it on 144.39....

It is made by Neutec Communications, San Diego, CA..

It is an Infutec model SM-1645..

I was told I need a software program (and maybe a box of some sort)

Any info would be helpful.....

Carl Taylor   W9ZGU     Hollywood, FL....


---
```

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25. [aprssig] Cybiko UI Messenger and UI/KISS Driver updated

From: Alex <kr1st@amsat.org>
Date: Wed, 02 Jan 2002 21:00:58 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-54753-2002.01.02-20.31.47--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Hi there,

There's an updated version available of UI Messenger and the UI/KISS
driver for the Cybiko.

I've added Auto Answer capabilities:

http://www.qsl.net/kr1st/autoans.htm

and I also added capabilities to send KISS-ON and KISS-OFF strings to
the TNC so that the UI/KISS driver can put the TNC in KISS mode:

http://www.qsl.net/kr1st/tnccnf.htm

The main page is at:

http://www.qsl.net/kr1st/

Thanks to all who emailed me with their comments and suggestions! I
really appreciate it.

73s,
--Alex

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Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

---

26. [aprssig] Main application seems to have died terminating thread

From: "Jon Adams" <jon@jonadams.com>
Date: Wed, 2 Jan 2002 19:11:31 -0700
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-54757-2002.01.02-20.41.04--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

After suffering this failure for the umpteenth time in 2001, I finally went
a'searching the archives to see how others had solved this. Unfortunately, I
found only 6 or so messages, all from May-June 2001, about this problem and
with no (apparently) subsequent resolution.
For those of you who may never have seen this error, it goes as follows:
Start WinAPRS (current version 2.5.1, but 2.5.0 and 2.4.9 will do it as
well). in my case, program opens both the gps and the vhf tnc ports, nothing
different in setup for the past 3 years or so.
attempt to send a message. within 30 seconds alert box appears with cryptic
message "main application seems to have died terminating thread" and upon
rooting about find that the serial ports have gone away. must close all
ports and restart each one again. appears to work properly until you try to
send another message then same occurs. however, as tonight, sometimes
attempting to restart one of the serial ports causes a dreaded cold start
reboot of the machine (Sony Vaio SR33). even if this doesn't occur, the
machine gets increasingly wierd and eventually the program becomes very
unreliable.
I have found this "main app terminated..." error to occur under other
conditions, too, not just messaging. I've had it happen when opening a
settings window and dawdling for too long. This is really unacceptable,
especially when it takes down the whole machine.
I have checked this on 3 machines now: the vaio, a parts bin pentium 3
500MHz with 300MB of RAM, and an old dog toshiba MMX166 with 32 MB of ram.
all suffer identically.
What's up? Has everyone else just decided to live with this?

73 - Jon N7UV

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27. [aprssig] Re: Main application seems to have died terminating thread

From: Robbie Robertson <mwrobertson@attbi.com>
Date: Wed, 02 Jan 2002 20:52:41 -0600
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: TAPR APRS Special Interest Group <aprssig@lists.tapr.org>
Message-ID: <LYR842-54767-2002.01.02-21.25.11--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Jon Adams wrote:
>
> What's up? Has everyone else just decided to live with this?
>

No, but no one else has mentioned it before now! I get this
message each and every time I go to Settings and uncheck TNC to
disable it! WinAPRS 2.5.1

I guess then that there is a problem, Mark???? Anyone??

73 es Happy New Year everyone
--

- Robbie Robertson -
...-.- wa9inf ...-.-

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Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

28. [aprssig] OnStar Locations

From: "Ray A. Krohn" <kd3rn@ptd.net>
Date: Wed, 02 Jan 2002 22:31:19 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-54768-2002.01.02-22.01.53--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Ok,
Here is the location of most OnStar units. GPS unit is a small
aluminum rectangular box with 1 multipin connector and small coax
connection.

Suburbans & Full size pickups - Under heater box the passenger can
kick the thing!

U/X Vans - Screwed fast to the drivers seat right under handset

Most cars - Bolted up behind rear seat (If you can't find it on a
CAR e-mail me)

Pin out info will be posted here shortly in a JPEG picture format as
soon as I have time to scan. (I think all units are the same)

Ray   ---   Happy New Year!
[Attachment: kd3rn.vcf; text/x-vcard; 264 bytes]

29. [aprssig] Re: OnStar Locations

From: James Ewen <jewen@shaw.ca>
Date: Wed, 02 Jan 2002 21:21:15 -0700
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-54775-2002.01.02-22.50.33--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

> Here is the location of most OnStar units. GPS unit is a small
> aluminum rectangular box with 1 multipin connector and small coax
> connection.

NEWS FLASH

****

Sudden rash of OnStar GPS unit thefts reported across the continent...
Police baffled as to sudden popularity of these units... More at Eleven!

```
---
You are currently subscribed to aprssig as: lyris.aprssig@tapr.org
To unsubscribe send a blank email to leave-aprssig-842K@lists.tapr.org
Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org
```

30. [aprssig] Re: OnStar Locations

From: "Jack Smith" <jrs38801@bellsouth.net>
Date: Wed, 2 Jan 2002 22:31:19 -0600
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-54777-2002.01.02-23.00.44--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

```
LOL  I do however plan on raiding junk yards.  With their consent, of
course...

Jack KE4LWT


----- Original Message -----
From: "James Ewen" <jewen@shaw.ca>
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Sent: Wednesday, January 02, 2002 10:21 PM
Subject: [aprssig] Re: OnStar Locations


> >     Here is the location of most OnStar units.  GPS unit is a small
> > aluminum rectangular box with 1 multipin connector and small coax
> > connection.
>
> NEWS FLASH
>
> *************
>
> Sudden rash of OnStar GPS unit thefts reported across the continent...
> Police baffled as to sudden popularity of these units... More at Eleven!
>
>
>
> ---
> You are currently subscribed to aprssig as: jrs38801@bellsouth.net
> To unsubscribe send a blank email to leave-aprssig-842K@lists.tapr.org
> Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org
>
>



---
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Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org
```

31. [aprssig] Re: OnStar Locations

From: "Terry Bendell" <ve3tkb@sympatico.ca>
Date: Wed, 02 Jan 2002 23:33:40 -0400
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-54778-2002.01.02-23.01.22--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

```
Great Deal on OnStar GPS!
*************************

Surplus units priced to move, $15 each, No documents, packaging.
Slightly warm to the touch!

73

:^)



----------
>From: James Ewen <jewen@shaw.ca>
>To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
>Subject: [aprssig] Re: OnStar Locations
>Date: Thu, Jan 3, 2002, 0:21
>

>>     Here is the location of most OnStar units.  GPS unit is a small
>> aluminum rectangular box with 1 multipin connector and small coax
>> connection.
>
>NEWS FLASH
>
>*************
>
>Sudden rash of OnStar GPS unit thefts reported across the continent...
>Police baffled as to sudden popularity of these units... More at Eleven!
>
>
>
>---
>You are currently subscribed to aprssig as: ve3tkb@sympatico.ca
>To unsubscribe send a blank email to leave-aprssig-842K@lists.tapr.org
>Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org
>

---
You are currently subscribed to aprssig as: lyris.aprssig@tapr.org
To unsubscribe send a blank email to leave-aprssig-842K@lists.tapr.org
Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org
```

32. [aprssig] Other Uses for OnStar...

```
From: "Glen Briggs (KB0RPJ) - aka wx" <wx@grundyec.net>
Date: Wed, 02 Jan 2002 23:01:04 -0600
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-54784-2002.01.02-23.30.23--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain
```

```
anyone checked into the other ideas for OnStar.. it'd sure be nice to be
able to unlock your car or turn your car on from inside the house with an HT..

Security would be a big stumbling block thou
Thanks for your time,

Glen Briggs
IRC: wx  - DALnet & AustNET
E-Mail: wx@grundyec.net
ICQ: 1133850
http://www.qsl.net/kb0rpj/
KB0RPJ

---
who'd have known life could be so simple, yet so complex.
---



---
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Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org
```

33. [aprssig] Re: Main application seems to have died terminating thread

```
From: Glenn Wiebe <gswiebe@mb.sympatico.ca>
Date: Wed, 02 Jan 2002 23:03:22 -0600
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-54785-2002.01.02-23.32.51--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain
```

```
Jon Adams wrote:
>
> What's up? Has everyone else just decided to live with this?
>
>No, but no one else has mentioned it before now! I get this
>message each and every time I go to Settings and uncheck TNC to
>disable it! WinAPRS 2.5.1

Every time here too!...Glenn...VE4GN

>I guess then that there is a problem, Mark???? Anyone??

>73 es Happy New Year everyone

>- Robbie Robertson -
>...-.- wa9inf ...-.-

---
You are currently subscribed to aprssig as: lyris.aprssig@tapr.org
```

To unsubscribe send a blank email to leave-aprssig-842K@lists.tapr.org
Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

---

34. [aprssig] Re: Other Uses for OnStar...

From: James Ewen <jewen@shaw.ca>
Date: Wed, 02 Jan 2002 22:29:51 -0700
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-54787-2002.01.02-23.59.34--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

GM is just implementing ideas stolen from us...

I was having my email read to me over the air about 3 years ago... all with voice activated controls.

Okay, so the voice activated controller was actually Brian, VE6BCA, who played my email back through a text-to-speech program over the local repeater...

Actually, we do have the capabilities to do almost everything OnStar does via APRS. All it is, is a little bit of specialized application software running in the car.

We can use 2 meter or 70 centimeter voice channels for the audio portions that are carried via cellphone for OnStar. We can send email to the vehicle via packet, and have a voice activated computer onboard that could use text-to-speech software to read our email. Have a sensor connected to your airbag system, and when the airbags deploy, the computer could key up the local autopatch, call 911 and tell the operator that you have a boo-boo, and read out the lat/long.

OnStar uses a lot of human intervention to help make the system user friendly. When your airbag deploys, they phone you and ask if you need assistance. If they determine you do need assistance, a human operator determines the proper authority to call, and then converts your lat/long into a human friendly address.

OnStar also makes use of the infrastructure already in place, whereas an amateur system would rely on newly installed local systems.

All of this costs money to implement, and you pay a pretty penny to make use of the fancy toys. Give me a million dollars, and I'll outfit your 1965 Beetle with a totally amateur radio oriented OnStar system. Everything can be done for a price.

The biggest kick in the pants? 10 years ago I used to get raked over the coals for carrying my HT with me... People thought I was some kind of a geek. Now I can wander around with my HT plugged into my GPS and PDA, and no one looks twice. I look like every other techno-dweeb out there. You get goofy looks if you don't carry a cellphone these days.

James
VE6SRV

---
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35. [aprssig] Re: Other Uses for OnStar...

From: "Glen Briggs (KB0RPJ) - aka wx" <wx@grundyec.net>
Date: Wed, 02 Jan 2002 23:55:17 -0600
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-54813-2002.01.03-00.24.39--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

>
\>Actually, we do have the capabilities to do almost everything OnStar does
\>via APRS. All it is, is a little bit of specialized application software
\>running in the car.

Why aren't we doing this now; or is someone doing it already???

\>We can use 2 meter or 70 centimeter voice channels for the audio portions
\>that are carried via cellphone for OnStar. We can send email to the vehicle
\>via packet, and have a voice activated computer onboard that could use

```
>text-to-speech software to read our email. Have a sensor connected to your
>airbag system, and when the airbags deploy, the computer could key up the
>local autopatch, call 911 and tell the operator that you have a boo-boo, and
>read out the lat/long.


see above...



Thanks for your time,

Glen Briggs
IRC: wx  - DALnet & AustNET
E-Mail: wx@grundyec.net
ICQ: 1133850
http://www.qsl.net/kb0rpj/
KB0RPJ

---
who'd have known life could be so simple, yet so complex.
---



---
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```

36. [aprssig] Need Kenwood radio programming info

From: KB7ADO@aol.com
Date: Thu, 3 Jan 2002 01:16:44 EST
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-54814-2002.01.03-00.46.05--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

```
I am acquiring a Kenwood TK-706 vhf 2-ch mobile that is suppose to be
programmable, which I plan to use as a tracker radio.  Does anyone have the
info to do this that you can pass on to me?

Thanks.
Bob, KB7ADO

---
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```

37. [aprssig] Re: Other Uses for OnStar...

From: "Wes Johnston" <kd4rdb@netzero.com>
Date: Thu, 3 Jan 2002 08:26:25 -0800
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-54858-2002.01.03-07.56.05--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

```
http://www.laipac.com/datasheets/gps/AVL%20Ap-Note.pdf

Page 3, figure 3 shows what I think may be the pin out of an OnStar GPS
unit.

Wes



---
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```

38. [aprssig] Re: Main application seems to have died terminating thread

From: John Mc Hugh <johnk.mchugh@worldnet.att.net>
Date: Thu, 03 Jan 2002 10:42:59 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: TAPR APRS Special Interest Group <aprssig@lists.tapr.org>
Message-ID: <LYR842-54882-2002.01.03-10.12.15--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

```
I solved it by going back to 2.4.7, never happened again.

John
```

```
---
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Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org
```

39. [aprssig] Kam XL

From: <aa3jy@winlink.org>
Date: Thu, 3 Jan 2002 18:34:11 -0000 (GMT)
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: aprsplus@k8sn.org
Message-ID: <LYR842-54914-2002.01.03-13.04.09--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

```
Could someone with the new Kam XL email me privately...tnx




---
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```

40. [aprssig] An offer to any *Monitor only* (including PCSAT) APRS Igates

From: Maiko Langelaar <maiko@slmsoft.com>
Date: Thu, 03 Jan 2002 13:03:19 -0600
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-54920-2002.01.03-13.22.27--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

```
Greetings,

For those APRS igates out there that only want to monitor
for APRS frames, and forward them to the internet system,
without getting all of that traffic back, I have a possible
solution for you if you're interested.

I'm looking for BETA testers who are willing to try out
and continue to use the new 'listen only' port running on
my TNOSaprs server/igate, VE4UMR-5.

This port was specifically designed for APRS igates that
want to send stuff to the internet, but not get anything
back. My server has a connection to either first, third,
or orlando at any particular time.

If anyone is interested, please contact me privately.

73 Maiko / VE4KLM

---
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```

41. [aprssig] Laptop to KPC-3+

From: Gurdon Wolfe <kb4fea@earthlink.net>
Date: Thu, 03 Jan 2002 15:35:12 -0800
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-54930-2002.01.03-15.07.09--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

```
Who do I connect a laptop to a KPC-3+ that also has a GPS attached?
Thanks for any help.
73, Don

--------------------------------------------------------------------
 From the keyboard of Gurdon C. "Don" Wolfe, II
GySgt.  U.S.M.C. Ret.
Official USMC website www.usmc.mil
Leon County Sheriff's Office: www.lcso.leon.fl.us
Work: WolfeG@mail.co.leon.fl.us



---
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```

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42. [aprssig] RE: Main application seems to have died terminating thread

From: "Gregory W. Jones, Sr. (K3GJ)" <K3GJ@ARRL.NET>
Date: Thu, 03 Jan 2002 16:07:06 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-54931-2002.01.03-15.36.14--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Jon:

I get the same message using WinAPRS 2.5.1 under Win 98 when I close the vhf
tnc connection from the "settings" pulldown. The TNC is a PK-88. Happens
every time but I can still open the port right afterward.

73,

Gregory Jones (K3GJ)
K3GJ@ARRL.NET

-----Original Message-----
From: bounce-aprssig-25421@lists.tapr.org
[mailto:bounce-aprssig-25421@lists.tapr.org]On Behalf Of Jon Adams
Sent: Wednesday, January 02, 2002 9:12 PM
To: TAPR APRS Special Interest Group
Subject: [aprssig] Main application seems to have died terminating
thread

After suffering this failure for the umpteenth time in 2001, I finally went
a'searching the archives to see how others had solved this. Unfortunately, I
found only 6 or so messages, all from May-June 2001, about this problem and
with no (apparently) subsequent resolution.
For those of you who may never have seen this error, it goes as follows:
Start WinAPRS (current version 2.5.1, but 2.5.0 and 2.4.9 will do it as
well). in my case, program opens both the gps and the vhf tnc ports, nothing
different in setup for the past 3 years or so.
attempt to send a message. within 30 seconds alert box appears with cryptic
message "main application seems to have died terminating thread" and upon
rooting about find that the serial ports have gone away. must close all
ports and restart each one again. appears to work properly until you try to
send another message then same occurs. however, as tonight, sometimes
attempting to restart one of the serial ports causes a dreaded cold start
reboot of the machine (Sony Vaio SR33). even if this doesn't occur, the
machine gets increasingly wierd and eventually the program becomes very
unreliable.
I have found this "main app terminated..." error to occur under other
conditions, too, not just messaging. I've had it happen when opening a
settings window and dawdling for too long. This is really unacceptable,
especially when it takes down the whole machine.
I have checked this on 3 machines now: the vaio, a parts bin pentium 3
500MHz with 300MB of RAM, and an old dog toshiba MMX166 with 32 MB of ram.
all suffer identically.
What's up? Has everyone else just decided to live with this?

73 - Jon N7UV

---
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43. [aprssig] ZDnet story on wireless LAN software with APRS-like features...

From: WA8LMF2@aol.com
Date: Thu, 3 Jan 2002 16:22:35 EST
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-54932-2002.01.03-15.52.04--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Excerpted from article on Zdnet at:
    http://www.zdnet.com/anchordesk/stories/story/0,10738,2835494,00.html

While I spent the first hour-and-a-half of my latest train ride back to Boston from New York, I popped an Orinoco Silver

http://zdnetshopper.cnet.com/shopping/resellers/0-7085-1411-5684856.html?tag=s

t.sh.sr.pl.pr5684856

wireless network adapter into my Sony PictureBook notebook and launched a clever application called Network Stumbler

http://techupdate.zdnet.com/techupdate/stories/main/0,14179,2783681,00.html

RUNNING IN A BACKGROUND WINDOW, Network Stumbler scans the airwaves for 802.11b wireless activity. If there's an access point or peer adapter within range, it lists it, along with some vital information, such as its Service Set Identifier (SSID) [Are we running so short on acronyms that we have to recycle them ! ? -- wa8lmf] --an identifier that designates a logical network--and whether it uses encryption.

IF YOU HAVE A GLOBAL POSITIONING SYSTEM DEVICE ATTACHED TO THE PC, NETWORK STUMBLER EVEN LISTS DISCOVERED DEVICES' LONGITUDE AND LATITUDE, WHICH YOU CAN THEN PINPOINT ON A MAP USING MAPPING SOFTWARE.

Network Stumbler's results were revealing. I found 79 wireless devices: 76 were access points, and 3 were clients. Of these, only 19 access points had WEP security enabled. That means that, should I have had the time and interest, I could easily have piggybacked onto the others' network connections to get Internet access--in effect, stealing bandwidth. [Free Igates everywhere ! -- WA8LMF] If their internal networks were poorly secured, I could have read and possibly even uploaded files onto their internal clients and servers.

```
Stephen H. Smith                   wa8lmf @ aol.com
Home Page:
http://members.aol.com/wa8lmf
Ham Radio/Mobile SSTV page:     http://members.aol.com/wa8lmf/ham
APRS Stuff
http://members.aol.com/wa8lmf/aprs
------------------------------------------------------------------------------

----------
|    Radio Communications Systems       Personal Computers
|                Consulting and Systems Integration
|    GPS Custom Mapping    &     Radio Coverage Surveys
|    File Conversions       MS-Windows Setups       VISCII Fonts
------------------------------------------------------------------------------

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44. [aprssig] Re: Laptop to KPC-3+

From: KC7ZRU - Tate <kc7zru@arrl.net>
Date: Thu, 03 Jan 2002 14:27:48 -0700
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-54933-2002.01.03-15.57.12--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Hey Gunny,

If your KPC3+ has version 8.3 of the firmware, connect the GPS to the 'virtual' serial port that connects to the radio port.

I'd direct you to the online manual, but it only covers up to version 8.2 - http://www.kantronics.com/pdf/KPC3.pdf

I don't have the commands at hand to enable the 'firmware UART' - they've gotta be online someplace though. A quick google search came up blank. Anyone?

If your KPC3+ dosen't have 8.3, then either upgrade it or consider the use of an HSP cable and HSP enabled software.

HSP schematic - http://www.fiberpipe.net/~tateb/hsp.html

73

Gurdon Wolfe wrote:
>
> Who do I connect a laptop to a KPC-3+ that also has a GPS attached?
> Thanks for any help.
> 73, Don
>

--
```
               /\/\/\/\/\/\/\/\/\/\/\/\/\/\/\/\/\/\/\/\/\/\/\/\
               |       CARC Repeater 146.940     DN62         |
               |    http://groups.yahoo.com/group/RM-APRS     |
               |    "The Dungeon" at http://go.to/KC7ZRU      |
               |              AIM - kc7zru                    |
               +++++++++++++++++++++++++++++++++++++++++++++++
```

"I fear all we have done is to awaken a sleeping giant and fill him with a terrible resolve."
- Admiral Yamamoto

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---

45. [aprssig] Re: Laptop to KPC-3+

From: "Brad Darnell" <darnellb10@home.com>
Date: Thu, 3 Jan 2002 18:34:35 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-54948-2002.01.03-18.05.14--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

> I don't have the commands at hand to enable the 'firmware UART' - they've
gotta be online someplace though. A quick google search came up blank.
Anyone?
>
Try http://www.dididahdahdidit.co/plustracker.php

Complete documentation on how to interface your GPS to a +3 with 8.3
firmware.

Brad - WA9BD

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---

46. [aprssig] RE: Main application seems to have died terminating thread

From: "Earl S. Garber" <n3eg@teleport.com>
Date: Thu, 3 Jan 2002 18:22:27
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-54960-2002.01.03-18.51.46--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

I've had it happen for a long time, but it never seems to affect anything
here other than being as annoying as an internet "pop-up" window.

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---

47. [aprssig] Help with APRS+SA

From: "Garren Davis" <garren.davis@qlogic.com>
Date: Thu, 3 Jan 2002 16:23:11 -0800
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-54962-2002.01.03-18.53.15--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

I have just started using APRS+SA v2.02 and already understand
a lot of what is being displayed. I do have a question that I
can't seem to figure out. I hope it's not a dumb one. When I
sent out my Position how do I know if it gets out? I looked on
the net on Findu but my call sign is not listed. Does that mean

I am not making it to an Igate? My setting is RELAY,WIDE and I'm
using about 5 watts. Does APRS+SA indicate when my position goes
through a relay like the TH-D7G does when it shows MY Position?
Thanks and sorry if this has been explained before.

Garren

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48. [aprssig] Re: Current status of AHubEAST APRS Internet Server

From: Neil Johnson <njohnsn@iowatelecom.net>
Date: Thu, 3 Jan 2002 18:49:08 -0600
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-54970-2002.01.03-19.18.56--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

On Friday 28 December 2001 01:33 am, David L Norris wrote:
> On Thu, 2001-12-27 at 23:02, Mark A. Foley wrote:
> > If others are in a similar situation, you may want to check
> > out this website:
> > www.no-ip.com
>
> Others may also want to check out dyndns.org. It's a little less formal
> and considerably cheaper (one time donation). And, from the way it
> looks, DynDNS has better geographic and network diversity than
> no-ip.com.

Try http://easydns.com for 35.00/yr you can have dynamic DNS access AND
register a domain name.

-Neil

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Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

49. [aprssig] AHubSAT....

From: "Zachary Grant Michael, KB9UQQ" <kb9uqq_2000@yahoo.com>
Date: Thu, 3 Jan 2002 21:39:31 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-55008-2002.01.03-21.09.18--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Hi All,
I probably should've clarified this with my first e-mail, but I didn't. So I will now. My idea when I put up AHubSAT, was that all the SatGates could connect to AHubSAT, and that could be our satellite internet server. It's really a decision of the SatGate operators. That was my original idea, and I'm still hoping that it will happen. When I first started AHubSAT, it was not only passing satellite packets, but weather reports, NWS warnings, etc. I fixed this, and now all users receive are packets from various APRS satellites. ISS, PCSAT, STARS, SAPPHIRE, etc. Now all I need is for the SatGate owners to connect to ahubsat.d2g.com port 14580, and we will have live RF data from the satellites. For more information about AHubSAT, or AHubIN, goto: http://www.qsl.net/kb9uqq/AHubIN/AHubIN.html.
73 de kb9uqq
--
Zachary Grant Michael, KB9UQQ
http://www.qsl.net/kb9uqq/

50. [aprssig] FCC takes part of 220mhz (again).

From: "Wes Johnston" <wes@johnston.net>
Date: Thu, 3 Jan 2002 22:54:42 -0800
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-55031-2002.01.03-22.24.10--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

This was lifted from the WCA weekly bulletin. Thought it may be of interest
due to our interest in 220mhz for packet. Looks like they cropped off those
high speed packet channels on 219mhz. (we did get those back from UPS
didn't we?)
Wes

FCC Authorizes TDD Spectrum, Providing Boost To Many WCA Members
Proponents of broadband wireless services over TDD technology won a major
victory when the FCC allocated bands in the U.S. TDD (time division

duplexing) is designed to handle traffic bursts associated with data services, such as Internet browsing on a mobile phone. In an order released today, the FCC will allocate 27 MHz in seven bands of government-owned spectrum for the introduction of new wireless technologies and services, including TDD, an air-interface technology that transmits and receives signals over a single frequency band, setting it apart from the FDD (frequency division duplex) protocol used in conventional wireless telephone systems. "This announcement by the FCC is an important step toward encouraging technologies like TDD that require only a relatively small band for bi-directional broadband wireless communications," comments TDD Coalition Chairman Remi Chayer of Harris Corp., who speaks at WCA's Technical Symposium on "The Advantages of TDD Broadband Access Systems" on Jan. 15. "As spectrum becomes more valuable, it is essential that we promote technologies like TDD that use only one channel for both upstream and downstream traffic, making this a particularly effective means of transmitting data in the most efficient way." The FCC's order allocates spectrum from government to commercial use in the following bands: 216-220 MHz, 1390-1395 MHz, 1427-1429 MHz, 1429-1432 MHz, 1432-1435 MHz, 1670-1675 MHz and 2385-2390 MHz. Paragraphs 67 to 71 of the FCC order address the 2385-2390 band that, along with the 2390-2400 MHz band, is being discussed a possible replacement spectrum for MDS 1 and 2/2A. The FCC makes no mention of the possible use of this band for MDS, and the decision anticipates the use of competitive bidding to license the band for flexible uses, noted WCA Counsel Robert Primosch.
In related news, the FCC on Dec. 12 reallocated 48 MHz of spectrum in the lower 700 MHz band (698-746 MHz) to fixed and mobile services. The FCC reclaimed this spectrum for new commercial services for the transition of television broadcasting from analog to digital transmission systems. The order approved for licensing two 6 MHz blocks of unpaired, contiguous spectrum. TDD Coalition member ArrayComm, which has secured a license to deploy the technology in Australia, also praised this FCC's decision. "The allocation of unpaired spectrum is an important step toward bringing new wireless data services to America's consumers," ArrayComm Co-Founder and CEO Martin Cooper told reporters. "Using existing technology, there is simply not enough spectrum available to provide new affordable wireless applications and to continue the expansion of existing services." TDD spectrum has been allocated for data systems in Europe and Japan. The TDD Coalition (a "Supporting Association" for WCA's Symposium) includes as other founding members beside Harris and ArrayComm these other WCA member companies: Aperto Networks, BeamReach Networks, CALY Networks, Clearwire, IPWireless, LinkAir, Malibu Networks, Radiant Networks, Raze Technologies and Wavion.

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Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

---

51. [aprssig] RE:Other uses for OnStar

From: "Ray A. Krohn" <kd3rn@ptd.net>
Date: Thu, 03 Jan 2002 23:24:47 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-55039-2002.01.03-22.56.31--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Sorry,
You would not be able to unlock your car or turn it on via radio remote. Each cell phone/controller for the system is synchronized via a time window and each one is different. GM is the only one that knows that unique time window so remote control via Amateur Radio would be near impossible.

Ray
[Attachment: kd3rn.vcf; text/x-vcard; 264 bytes]

---

52. [aprssig] RE: FCC takes part of 220mhz (again).

From: "Paul Knupke, Jr." <pekjr@tampabay.rr.com>
Date: Thu, 3 Jan 2002 23:40:48 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-55040-2002.01.03-23.09.56--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

We actually didn't loose 219-220 MHz ...

FCC Reallocation Retains Amateur Radio's 219-220 MHz Slot

NEWINGTON, CT, Jan 3, 2002--Amateur Radio's secondary allocation at 219-220 MHz remains intact in the wake of an FCC spectrum reallocation of the 216 to 220-MHz band, among others. The FCC declined, however, to go along with ARRL's request to expand amateur access to 216 to 220 MHz. On a brighter note, the Commission potentially relieved spectrum competition for Amateur Radio at 2.3 GHz by making space available elsewhere

For the full details see:
http://www.arrl.org/news/stories/2002/01/03/100/?nc=1

73
Paul
N4PK

-----Original Message-----
From: bounce-aprssig-24715@lists.tapr.org
[mailto:bounce-aprssig-24715@lists.tapr.org] On Behalf Of Wes Johnston
Sent: Friday, January 04, 2002 1:55 AM
To: TAPR APRS Special Interest Group
Subject: [aprssig] FCC takes part of 220mhz (again).

This was lifted from the WCA weekly bulletin. Thought it may be of interest due to our interest in 220mhz for packet. Looks like they cropped off those high speed packet channels on 219mhz. (we did get those back from UPS didn't we?) Wes

FCC Authorizes TDD Spectrum, Providing Boost To Many WCA Member

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---

53. [aprssig] Re: Help with APRS+SA

From: "Brent Hildebrand" <bhildebrand@earthlink.net>
Date: Thu, 3 Jan 2002 20:41:52 -0800
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-55041-2002.01.03-23.11.36--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

APRS+SA v2.02 will announce a digipeated packet with a Morse Code "D". The program by default has Morse Code enabled, and uses a "D" for digipeat. You can change the "D" to anything else you'd like, and enable/disable Code if you wish in Settings, Sounds section.

Brent Hildebrand, KH2Z

APRS+SA
http://www.tapr.org/~kh2z/aprsplus
ftp://ftp.tapr.org/aprssig/winstuff/aprsplus

[]

----- Original Message -----
From: "Garren Davis" <garren.davis@qlogic.com>
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Sent: Thursday, January 03, 2002 4:23 PM
Subject: [aprssig] Help with APRS+SA

I have just started using APRS+SA v2.02 and already understand a lot of what is being displayed. I do have a question that I can't seem to figure out. I hope it's not a dumb one. When I sent out my Position how do I know if it gets out? I looked on the net on Findu but my call sign is not listed. Does that mean I am not making it to an Igate? My setting is RELAY,WIDE and I'm using about 5 watts. Does APRS+SA indicate when my position goes through a relay like the TH-D7G does when it shows MY Position? Thanks and sorry if this has been explained before.

Garren

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Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

54. [aprssig] Re: Other uses for OnStar

From: "Jack Smith" <jrs38801@bellsouth.net>
Date: Thu, 3 Jan 2002 22:50:24 -0600
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-55042-2002.01.03-23.19.56--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Ray:

Actually it wouldn't be that hard to accomplish. A reciever and a DTMF decoder with relay outputs would do the trick. Probably would need to isolate the pulses from the OnStar box with diodes. Now, how to accomplish this task with APRS commands instead of DTMF would be difficult to do (not impossible). Maybe some kind of code in the message text that the on board TNC would decode? But the relay thing is all that existing security systems use. Makes me wonder if you could bash an old car alarm system or retune it for a ham frequency?

What I think would be really cool would be to build an integrated "HamStar" system. GPS, APRS, relay triggers for doors/security, and while we're at it, a HamHUD display unit too! Except for the transciever should be a fairly small footprint.

Now, I'm off to the Ramsey site to look at DTMF decoder units!

Jack KE4LWT

> Sorry,
> You would not be able to unlock your car or turn it on via radio
> remote. Each cell phone/controller for the system is synchronized via a
> time window and each one is different. GM is the only one that knows
> that unique time window so remote control via Amateur Radio would be
> near impossible.
>
> Ray
>

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55. [aprssig] HamStar?

From: "Jack Smith" <jrs38801@bellsouth.net>
Date: Thu, 3 Jan 2002 23:09:22 -0600
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-55043-2002.01.03-23.38.42--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Okay, here's what you'd need (I think!)....

Transciever
MIM module, TinyTrak, HamHUD or TNC
GPS
Car alarm w/o door lock interface
DTMF decoder w/ momentary relays
    1- Door
    2- Trunk/Hatch
    3- Interior Light
    4- Headlight Flash/Horn Honk
    5- Siren (Also would trigger "EMERGENCY" APRS beacon

I'm sure I left something out!

With this setup, you would have everything OnStar provides except looonnnng distance unlocking. The DTMF codes wouldn't be used so frequently that they would QRM the APRS freqs. We can already ask each other for help, directions, etc! Should be fairly easy to implement, I would think.

```
Jack KE4LWT
```

56. [aprssig] RE:Other uses for OnStar

```
From: James Ewen <jewen@shaw.ca>
Date: Thu, 03 Jan 2002 22:10:29 -0700
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-55045-2002.01.03-23.39.56--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain
```

```
>     You would not be able to unlock your car or turn it on via radio
> remote.  Each cell phone/controller for the system is synchronized via a
> time window and each one is different.  GM is the only one that knows
> that unique time window so remote control via Amateur Radio would be
> near impossible.

I'd have to take issue with that statement... I can take an off the shelf
KPC-3 and a radio and be able to pop my door locks easily.

Use one of the outputs that can be set via packet (you could even use the
front panel LED output), interfaced appropriately to the door lock relay,
and poof! Instant unlock!

You are limiting yourself by assuming we are trying to imitate an OnStar
code. Trying to tie amateur radio into the OnStar system would be an
exercise in futility. We were talking about duplicating OnStar via Amateur
radio means.... totally feasible

James
VE6SRV



---
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```

57. [aprssig] RE:Other uses for OnStar

```
From: "Wes Johnston" <kd4rdb@netzero.com>
Date: Fri, 4 Jan 2002 00:44:11 -0800
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-55073-2002.01.04-00.13.30--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain
```

```
I've been doing this for years.... unlocking doors with kpc3
Wes

----- Original Message -----
From: "James Ewen" <jewen@shaw.ca>

> You are limiting yourself by assuming we are trying to imitate an OnStar
> code. Trying to tie amateur radio into the OnStar system would be an
> exercise in futility. We were talking about duplicating OnStar via Amateur
> radio means.... totally feasible
>
> James
> VE6SRV
>
>
>
> ---
> You are currently subscribed to aprssig as: kd4rdb@netzero.com
> To unsubscribe send a blank email to leave-aprssig-842K@lists.tapr.org
> Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org
>
>



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```

58. [aprssig] Cybiko Security Assessment

```
From: "Ev Tupis (W2EV)" <w2ev@arrl.net>
Date: Fri, 04 Jan 2002 05:26:27 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
```

Message-ID: <LYR842-55092-2002.01.04-04.55.51--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

I was at a friend's house. His kid has a Cybiko, with the "Cybiko program loader" always active. (btw...this is the software that loads on a host computer that allows one to download software from the Internet and load it via USB port to the Cybiko)

He was showing me all of the cool Star Trek videos and trailers he could download. When he was done, we looked at his "Shared Folder" (the location where the Captain and Crew's video was stored), only to find a half-dozen "extra" files...all of which were Cybiko related.

No...he didn't expressly download them. They "came along for the ride".

I advised him to not leave them there (none were labeled anything that made any practical sense) for his kid to download to his Cybiko by "mistake".

I'm simply passing along information...it is your choice to digest and act on it. :o)

Ev, W2EV

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59. [aprssig] Re: Other Uses for OnStar...

From: "Vic Fraenckel" <vfraenc1@nycap.rr.com>
Date: Fri, 4 Jan 2002 05:54:27 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-55093-2002.01.04-05.24.06--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

James Ewen wrote:

\>local autopatch, call 911 and tell the operator that you have a boo-boo,
and
\>read out the lat/long.

Last fall I was in a vehicle chasing a manned gas balloon during a long distance gas balloon race that originated in Albuquerque, NM. We were in southwest Kansas when the pilot reported to me that he was being shot at by some idiot. He had the presence of mind to log his GPS position and passed that along to me and requested that I report the incident to the local law enforcement people. I immediately contacted 911 with my cell phone. When I gave the LAt/Long of the incident to the dispacher, she said "I have no idea what you are telling me. That means nothing to me". I asked her to please just log the numbers I gave her for future reference and please send a officer to our ground location which she did.

The point of this is; is it common that 911 personel do not understand Lat/Long? If so, then I fail to see what good it does to report this to them because how are they going to use it to help us?

Vic
____

Victor Fraenckel - The Windman   vfraenc1@nycap.rr.com
KC2GUI   www.windsway.com

Home of the WindReader Electronic Theodolite
Read the WIND

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60. [aprssig] Re: FCC takes part of 220mhz (again).

From: "Ronald Reams" <wa4mjf@worldnet.att.net>
Date: Fri, 4 Jan 2002 08:57:43 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-55142-2002.01.04-08.27.39--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Well, I guess that is the ole use it or lose it in play.....

Of course, the 216-200 MHz was not primary to us,
so if NTIA wanted to give it away, I don't
think us being a secondary user would have held
a lotta water.

73 de Ronnie

----- Original Message -----
From: "Wes Johnston" <wes@johnston.net>
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Sent: Friday, January 04, 2002 01:54
Subject: [aprssig] FCC takes part of 220mhz (again).

This was lifted from the WCA weekly bulletin. Thought it may be of interest due to our interest in 220mhz for packet. Looks like they cropped off those high speed packet channels on 219mhz. (we did get those back from UPS didn't we?)
Wes

FCC Authorizes TDD Spectrum, Providing Boost To Many WCA Members
Proponents of broadband wireless services over TDD technology won a major victory when the FCC allocated bands in the U.S. TDD (time division duplexing) is designed to handle traffic bursts associated with data services, such as Internet browsing on a mobile phone. In an order released today, the FCC will allocate 27 MHz in seven bands of government-owned spectrum for the introduction of new wireless technologies and services, including TDD, an air-interface technology that transmits and receives signals over a single frequency band, setting it apart from the FDD (frequency division duplex) protocol used in conventional wireless telephone systems. "This announcement by the FCC is an important step toward encouraging technologies like TDD that require only a relatively small band for bi-directional broadband wireless communications," comments TDD Coalition Chairman Remi Chayer of Harris Corp., who speaks at WCA's Technical Symposium on "The Advantages of TDD Broadband Access Systems" on Jan. 15. "As spectrum becomes more valuable, it is essential that we promote technologies like TDD that use only one channel for both upstream and downstream traffic, making this a particularly effective means of transmitting data in the most efficient way." The FCC's order allocates spectrum from government to commercial use in the following bands: 216-220 MHz, 1390-1395 MHz, 1427-1429 MHz, 1429-1432 MHz, 1432-1435 MHz, 1670-1675 MHz and 2385-2390 MHz. Paragraphs 67 to 71 of the FCC order address the 2385-2390 band that, along with the 2390-2400 MHz band, is being discussed a possible replacement spectrum for MDS 1 and 2/2A. The FCC makes no mention of the possible use of this band for MDS, and the decision anticipates the use of competitive bidding to license the band for flexible uses, noted WCA Counsel Robert Primosch.
In related news, the FCC on Dec. 12 reallocated 48 MHz of spectrum in the lower 700 MHz band (698-746 MHz) to fixed and mobile services. The FCC reclaimed this spectrum for new commercial services for the transition of television broadcasting from analog to digital transmission systems. The order approved for licensing two 6 MHz blocks of unpaired, contiguous spectrum. TDD Coalition member ArrayComm, which has secured a license to deploy the technology in Australia, also praised this FCC's decision. "The allocation of unpaired spectrum is an important step toward bringing new wireless data services to America's consumers," ArrayComm Co-Founder and CEO Martin Cooper told reporters. "Using existing technology, there is simply not enough spectrum available to provide new affordable wireless applications and to continue the expansion of existing services." TDD spectrum has been allocated for data systems in Europe and Japan. The TDD Coalition (a "Supporting Association" for WCA's Symposium) includes as other founding members beside Harris and ArrayComm these other WCA member companies: Aperto Networks, BeamReach Networks, CALY Networks, Clearwire, IPWireless, LinkAir, Malibu Networks, Radiant Networks, Raze Technologies and Wavion.

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61. [aprssig] Re: Other Uses for OnStar...

From: "Ronald Reams" <wa4mjf@worldnet.att.net>
Date: Fri, 4 Jan 2002 09:02:41 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-55144-2002.01.04-08.32.32--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Well, I declare, sounds like another government boondoggle...

If I don't make no mistake, I think the FCC is pushin'
the wireless phone folks to put GPS in the phones
so that the 911 ops will know exactly where you are give or take a 100
meters depending on the kinda conflict that we're in and what DOD does with
the sats.

Hopefully, you ran into one of those EEO type employees and someone there
knows about it.

73 de Ronnie

----- Original Message -----
From: "Vic Fraenckel" <vfraenc1@nycap.rr.com>
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Sent: Friday, January 04, 2002 05:54
Subject: [aprssig] Re: Other Uses for OnStar...

James Ewen wrote:

>local autopatch, call 911 and tell the operator that you have a boo-boo,
and
>read out the lat/long.

Last fall I was in a vehicle chasing a manned gas balloon during a long
distance gas balloon race that originated in Albuquerque, NM. We were in
southwest Kansas when the pilot reported to me that he was being shot at by
some idiot. He had the presence of mind to log his GPS position and passed
that along to me and requested that I report the incident to the local law
enforcement people. I immediately contacted 911 with my cell phone. When I
gave the LAt/Long of the incident to the dispacher, she said "I have no idea
what you are telling me. That means nothing to me". I asked her to please
just log the numbers I gave her for future reference and please send a
officer to our ground location which she did.

The point of this is; is it common that 911 personel do not understand
Lat/Long? If so, then I fail to see what good it does to report this to them
because how are they going to use it to help us?

Vic
____

Victor Fraenckel - The Windman   vfraenc1@nycap.rr.com
KC2GUI   www.windsway.com

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62. [aprssig] RE:Other uses for OnStar

From: Bob Bruninga <bruninga@usna.edu>
Date: Fri, 4 Jan 2002 09:39:28 -0500 (EST)

To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: TAPR APRS Special Interest Group <aprssig@lists.tapr.org>
Message-ID: <LYR842-55155-2002.01.04-09.08.49--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

```
On Thu, 3 Jan 2002, James Ewen wrote about Remote control of some car
functions via HAM radio (like ONSTAR):

> I can take an off the shelf KPC-3 and a radio and be able to pop my
> door locks easily. Use one of the outputs that can be set via packet
> (you could even use the front panel LED output), interfaced
> appropriately to the door lock relay, and poof! Instant unlock!

Yes, the KPC-3+ can have 3 ON/OFF outputs, (door lock, Start Engine, etc)
and it also has 5 analog Telemetry feedback channels (monitor battery
voltage, Temperature, etc).

See  http://www.ew.usna.edu/~bruninga/kpc3-tlm.txt

de WB4APR, Bob



---
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```

---

63. [aprssig] Re: Other Uses for OnStar...

From: Ken Brown <W2KB@compuserve.com>
Date: Fri, 4 Jan 2002 09:47:55 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-55156-2002.01.04-09.17.23--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

```
>> The point of this is; is it common that 911 personel do not understand
Lat/Long? If so, then I fail to see what good it does to report this to
them
because how are they going to use it to help us? <<

It depends.  In my county in NJ it is common for the volunteer rescue or FD
to give the countywide 911 dispatcher GPS coordinates when a medevac
helicopter is requested.  Makes finding the scene easy for the chopper.  A
couple of months ago I reported an accident I came across to the dispatcher
via autopatch by giving a very rough location and the GPS reading off the
D700 screen.  The dispatcher gave the GPS coordinates to the squad (I
listened on the scanner <g>) who then used them to help get to the scene.
Even for a simple breakdown of one's own car in unfamiliar rural territory
the APRS setup can be valuable in helping the police locate you.

73,

---Ken         W2KB@ARRL.net      VC-NJ     KofC

---
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```

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64. [aprssig] PCsat over Europe

From: Bob Bruninga <bruninga@usna.edu>
Date: Fri, 4 Jan 2002 10:21:11 -0500 (EST)
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: <amsat-bb@amsat.org>
Message-ID: <LYR842-55160-2002.01.04-09.50.34--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

```
G4FIP sent in a copy of a recent 3 Jan PCSAT high elevation pass over
Europe.  Here are the statistics on the total 67 packets he copied:

Station: Kenwood D700E with dual band "gain" vertical and 50' Mini-8 coax.

Packets:        5| 2|  | 1| 1| 6|11| 7|12|  | 5|  | 9| 9|
time: 10:xx ...57|58|59|00|01|02|03|04|05|06|07|08|09|10|...
Elevation:   0| 6|10|15|20|30|50|70|80|60|40|25|15|10| 5| 0

He estimates he hears about 50% of all packets with this marginal
setup.  A mobile with 10' of coax would do 2 dB better which is a lot
when you are dealing with satellites. Notice the number of packets
```

perfectly matches the antenna pattern of a 5/8ths wave gain antenna with good gain at the horizon and above 45 degrees, but nulls in the 10 to 40 degree range (half of the pass! Thats why 5/8 mobile whips do not do as well as a 19" vertical whip on a car roof).

Here is an analysis of the packets (notice this is weekday working hours) which does seem to support his <50% reception estimate):

```
   6 PCSAT telemetry packets (44% success in the 13 minute pass)
   3 PCsat Bulletins         (probably a 33% success rate)
  58 packets originated by 9 different USERS
```

Of these 58 user packets from 9 users:

```
  16 were CONNECTS/RETRIES/BUSY'S (all caused by one station)
  22 were dupes of one other stn's posit (xmitted in bursts of 4 to 7)
  15 were reasonable packets from 7 reasonable operators
```

So most operators seemed reasonable although 2 consumed 65% of the channel capacity. Of the 7 resonable stations, all got in with multiple duplicate positions and some appear to have been transmitting at a 30 sec rate or so and achieving about a 45% success rate. This suggests that the lower 1 per minute recommended rate would have worked quite well.

Here is an edited log summarizing the statistis:

```
10:57:37R PCSAT-1>:T#553,558,559,560,563,566 [6 successes in 13 mins]
11:02:38R PCSAT-1>:BULLETINS [2 LT1's 5 mins apart & One LT4]

10:57:18R I4xxx>CQ     : 4 APRS Posit copies in 8 seconds
11:03:12R I4xxx>CQ     : 7 APRS posit copies in 9 seconds
11:05:16R I4xxx>CQ     : 1 APRS POSIT
11:09:15R I4xxx>CQ     : 6 APRS POSIT copies in 3 seconds
11:10:12R I4xxx>CQ     : 4 APRS POSIT copies in 5 seconds
10:58:47R F4xxx>APRS   : 2 APRS Posits in 4 minutes
11:02:41R SQ5xxx>APU24H: 4 APRS POSITs in 5 mins [30 sec rate?]
11:02:46R PE2xxx>APRS  : 1 QSL... PE5xxx, I6xxx, F6xxx, SQ5xxx
10:58:03R I6xxx>CQ     : 3 separate UI packets
11:03:21R I6xxx>PE2xxx : 4 CONNECTED packets
11:04:20R I6xxx>[X,Y,Z]: 3 CONNECT Req to other stns
11:04:55R xxxxx>I6xxxI : 1 CONNECT ACK
11:04:59R I6xxx>PE2xxx,: 3 CONNECTED PACKETs (posits) in 1 min
11:05:08R I6xxx>PE2xxx,: 1 DISCONNECT
11:05:45R I6xxx>F6xxx, : 3 CONNECTED packets
11:07:21R I6xxx>I6xxx, : 1 CONNECT TO HIMSELF
11:09:05R I6xxx>OM     : 1 CONNECTED PACKET (posit)
11:05:47R xxxxx>I6xxx, : 2 DISCONNECT BUSY
11:05:04R F6xxx>APRSAT,: 1 APRS POSIT
11:05:35R SP6xxx>APRSAT: 4 COMPRESSED posits over 5 mins [30 sec rate?]
11:07:24R OE3xx>APU24M,: 2 APRS posits in 2 mins
11:10:08R DO3xxx>APRS, : 3 UI dupes in 45 seconds
```

Enjoy the bird!

de WB4APR@amsat.org, Bob

PCsat WEB page	http://www.ew.usna.edu/~bruninga/pcsat.html
ISS-APRS FAQ:	http://www.ew.usna.edu/~bruninga/iss-faq.html
CUBESAT Designs	http://www.ew.usna.edu/~bruninga/cubesat.html
APRS LIVE pages	http://www.ew.usna.edu/~bruninga/aprs.html
APRS SATELLITES	http://www.ew.usna.edu/~bruninga/astars.html
MIM/Mic-E/Mic-Lite	http://www.toad.net/~wclement/bruninga/mic-lite.html

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Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

65. [aprssig] Re: Other Uses for OnStar...

From: "lloyd mitchell" <lloydm75@hotmail.com>
Date: Fri, 04 Jan 2002 10:58:27 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>

Message-ID: <LYR842-55173-2002.01.04-10.27.47--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

```
Here is South Carolina Each 911 dispatch center has a Lat/long Map of their
county.  So they will realize after the "duh" delay what you are speaking
of.  Most of the dispatchers call it Grid numbers.

I work for the SC Forestry Commmission and we have trained the county
personel to understand Lat/Lon as this is our primary method of locating
wildfire in the state.

Lloyd KD4HTW


----Original Message Follows----
From: Ken Brown <W2KB@compuserve.com>
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Subject: [aprssig] Re: Other Uses for OnStar...
Date: Fri, 4 Jan 2002 09:47:55 -0500

 >> The point of this is; is it common that 911 personel do not understand
Lat/Long? If so, then I fail to see what good it does to report this to
them
because how are they going to use it to help us? <<

It depends.  In my county in NJ it is common for the volunteer rescue or FD
to give the countywide 911 dispatcher GPS coordinates when a medevac
helicopter is requested.  Makes finding the scene easy for the chopper.  A
couple of months ago I reported an accident I came across to the dispatcher
via autopatch by giving a very rough location and the GPS reading off the
D700 screen.  The dispatcher gave the GPS coordinates to the squad (I
listened on the scanner <g>) who then used them to help get to the scene.
Even for a simple breakdown of one's own car in unfamiliar rural territory
the APRS setup can be valuable in helping the police locate you.

73,

---Ken         W2KB@ARRL.net      VC-NJ     KofC

---
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_________________________________________________________________
Chat with friends online, try MSN Messenger: http://messenger.msn.com


---
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```

---

66. [aprssig] D700 setups for Mobile and Satellite ops

From: Bob Bruninga <bruninga@usna.edu>
Date: Fri, 4 Jan 2002 11:09:11 -0500 (EST)
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-55175-2002.01.04-10.38.34--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

```
I finally posted a web page about how to set up the D700 optimally for
both terrestrial APRS and for mobile Satellite ops.  Go to my SITEMAP and
choose the D700-FAQ.TXT file under the APRS section...

WBAPR SITEMAP:    http://www.ew.usna.edu/~bruninga/sitemap.html

If I did it wrong or you have better ideas, let me know.

de WB4APR, Bob



---
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```

67. [aprssig] Re: Other Uses for OnStar...

From: Mark Fellhauer <sparkfel@qwest.net>
Date: Fri, 04 Jan 2002 11:10:33 -0600
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-55184-2002.01.04-11.40.12--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

```
At 04:54 AM 1/4/02, Vic Fraenckel wrote:

>Last fall I was in a vehicle chasing a manned gas balloon during a long
>distance gas balloon race that originated in Albuquerque, NM. We were in
>southwest Kansas when the pilot reported to me that he was being shot at by
>some idiot.

Apparently this is condsidered great sport in this part of the
country.   Here in SoDak a son and MOTHER were just recently given
probation for doing the same (shooting  a manned gas balloon).   A friend
of mine said that just about every time their hot air ballon drifted over a
(Native American) reservation in Arizona, it would draw gunfire...
My personal opinion is that these people are terrorists (an organized group
of people trying to bring down a manned aircraft in flight) and should be
dealt with in the same way.



>The point of this is; is it common that 911 personel do not understand
>Lat/Long? If so, then I fail to see what good it does to report this to them
>because how are they going to use it to help us?

I would say in most parts of the country, 911 operators do not know where
to send support based on lat/lon.   We've had this discussion before and it
was one of the reasons for the whole mile marker deal...

Mark
KC7BXS


---
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Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org
```

---

68. [aprssig] Re: PCsat over Europe

From: Ernst Niggli <niggli@pyl.unibe.ch>
Date: Fri, 04 Jan 2002 18:19:50 +0100
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-55185-2002.01.04-11.49.09--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

```
Hello Bob,

I hope you can identify and remind these individuals personally. Several
users in Europe also have unproto paths via PCsat that do not seem to make
sense and will make their APRS packets bounce on the ground (e.g. WIDE7-7 or
similar).

Without the stupid useres, PCsat would be such a great bird.

Have a Happy New Year

Ernst HB9PVI

http://beam.to/HB9PVI

Bob Bruninga wrote:

Of these 58 user packets from 9 users:

  16 were CONNECTS/RETRIES/BUSY'S (all caused by one station)
  22 were dupes of one other stn's posit (xmitted in bursts of 4 to 7)
  15 were reasonable packets from 7 reasonable operators


---
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```

69. [aprssig] Re: Other Uses for OnStar...

```
From: "Ronald Reams" <wa4mjf@worldnet.att.net>
Date: Fri, 4 Jan 2002 12:38:06 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-55189-2002.01.04-12.07.57--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain
```

```
While I think that the indians should not shoot at them
as a general rule.  I guess it begs the question since
reservation land is sorveign indian land.  Did they get
permission to overfly?  Were they over one
of their sacred  grounds?

The indians should have left it to the tribal police
do take action though.


73 de Ronnie


----- Original Message -----
From: "Mark Fellhauer" <sparkfel@qwest.net>
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Sent: Friday, January 04, 2002 12:10
Subject: [aprssig] Re: Other Uses for OnStar...


At 04:54 AM 1/4/02, Vic Fraenckel wrote:

>Last fall I was in a vehicle chasing a manned gas balloon during a long
>distance gas balloon race that originated in Albuquerque, NM. We were in
>southwest Kansas when the pilot reported to me that he was being shot at by
>some idiot.

Apparently this is condsidered great sport in this part of the
country.   Here in SoDak a son and MOTHER were just recently given
probation for doing the same (shooting  a manned gas balloon).   A friend
of mine said that just about every time their hot air ballon drifted over a
(Native American) reservation in Arizona, it would draw gunfire...
My personal opinion is that these people are terrorists (an organized group
of people trying to bring down a manned aircraft in flight) and should be
dealt with in the same way.



>The point of this is; is it common that 911 personel do not understand
>Lat/Long? If so, then I fail to see what good it does to report this to
them
>because how are they going to use it to help us?

I would say in most parts of the country, 911 operators do not know where
to send support based on lat/lon.   We've had this discussion before and it
was one of the reasons for the whole mile marker deal...

Mark
KC7BXS


---
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---
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Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org
```

---

70. [aprssig] Re: Cybiko Security Assessment

```
From: Doug Bade <doug@clecom.com>
Date: Fri, 04 Jan 2002 12:39:52 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-55190-2002.01.04-12.09.42--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain
```

I checked my directories and find nothing unusual. I am behind a firewall so this may affect it.. He may want to make sure he is running the latest versions and make sure his flash is at rev 57.. Both are needed by the UI Messenger application which brings back to APRS related :-) ...

There is no reason to make the loader active all the time, it is only needed for software sync'ing, and can be brought up manually. He should investigate his setup as it sounds unusual. Current versions of all are on the Cybiko website..

I can say that the installers create files out of compressed images which are not directly visible until after install. I have the SDK, but have not run anything at that level to understand it all yet... And I would run a virus scanner real time on the system to watch errant downloads...although these would be I386/win centric, not Cybiko which could be "bugged or virus'ed".

Doug KB8GVQ

At 05:26 AM 1/4/02 -0500, Ev Tupis (W2EV) wrote:

>I was at a friend's house. His kid has a Cybiko, with the "Cybiko program loader" always active. (btw...this is the software that loads on a host computer that allows one to download software from the Internet and load it via USB port to the Cybiko)
>
>He was showing me all of the cool Star Trek videos and trailers he could download. When he was done, we looked at his "Shared Folder" (the location where the Captain and Crew's video was stored), only to find a half-dozen "extra" files...all of which were Cybiko related.
>
>No...he didn't expressly download them. They "came along for the ride".

---
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---

71. [aprssig] APRS-PLUS and *dead connection* - can anyone help ?

From: Maiko Langelaar <maiko@slmsoft.com>
Date: Fri, 04 Jan 2002 12:13:00 -0600
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-55191-2002.01.04-12.32.02--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Greetings,

Just curious. If an APRS-PLUS system is connected to a server and does not receive ANYTHING after a particular period of time, will APRS-PLUS terminate the connection and move on to the next one in it's rotation list ?

Is the period of silence configurable ? Can this check be switched off ?

73 Maiko / VE4KLM

---
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---

72. [aprssig] PCsat/ISS Operating event

From: Bob Bruninga <bruninga@usna.edu>
Date: Fri, 4 Jan 2002 16:27:39 -0500 (EST)
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-55221-2002.01.04-15.57.10--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

PCsat/ISS Operating event:

On Tuesday and Thursday morning 8/10 Jan, we will have 4 classes of students observing PCsat, ISS and Sapphire passes. If anyone is so inclined to join us on the birds during those morning passes (8 to 12 EST each day) we will be watching...

de WB4APR@amsat.org, Bob

```
PCsat WEB  page     http://www.ew.usna.edu/~bruninga/pcsat.html
ISS-APRS FAQ:       http://www.ew.usna.edu/~bruninga/iss-faq.html
CUBESAT Designs     http://www.ew.usna.edu/~bruninga/cubesat.html
APRS SATELLITES     http://www.ew.usna.edu/~bruninga/astars.html


---
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```

73. [aprssig] Re: HamStar?

From: zadok! <aaron@classicarcade.org>
Date: Fri, 04 Jan 2002 16:32:24 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-55223-2002.01.04-15.58.23--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

```
>    5- Siren (Also would trigger "EMERGENCY" APRS beacon
>

What would the legality of this option be? At that point your car would be
initiating a transmission. Or at minimum adding a line to your
predetermined string.
I'm reminded of a story I read about a Ham that had the alarm at a tower
site trigger a Morse message over the repeater if the site was ever
infiltrated. If I recall correctly he was busted, however I cannot remember
the penalty if any.
How would this differ?

Aaron (KC8CAL)
```

74. [aprssig] Re: FCC takes part of 220mhz (again).

From: "Ronald Reams" <wa4mjf@worldnet.att.net>
Date: Fri, 4 Jan 2002 17:14:04 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: "APRS SIG" <aprssig@tapr.org>
Message-ID: <LYR842-55229-2002.01.04-16.43.59--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

```
We also got 219-220 as a consolation prize
for point to point packet links.

YOU might wanna check the band plan!]

73 de Ronnie

Chief SYSOP W4RAL BBS System...

----- Original Message -----
From: "wd4awo" <wd4awo@msn.com>
To: <wa4mjf@worldnet.att.net>
Sent: Friday, January 04, 2002 16:57
Subject: Fw: [aprssig] Re: FCC takes part of 220mhz (again).


You might want to check the band plan before you send something like this
out.

1.25 m  is as follows for U.S amateur radio operators:

Voice, CW, MCW, RTTY, data and Image

222.000  to  225.000  MHz

If you were to check up on it you will understand that we have not had
215.000 to 220.000 MHz for a number of years.

Bob  wd4awo
----- Original Message -----
From: "kd4nfs" <kd4nfs@hotmail.com>
To: <wd4awo@msn.com>
Sent: Friday, January 04, 2002 3:35 PM
Subject: Fw: [aprssig] Re: FCC takes part of 220mhz (again).


>
> ----- Original Message -----
```

> From: "Ronald Reams" <wa4mjf@worldnet.att.net>
> To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
> Sent: Friday, January 04, 2002 8:57 AM
> Subject: [aprssig] Re: FCC takes part of 220mhz (again).
>
>
> >
> >
> > Well, I guess that is the ole use it or lose it in play.....
> >
> >
> > Of course, the 216-200 MHz was not primary to us,
> > so if NTIA wanted to give it away, I don't
> > think us being a secondary user would have held
> > a lotta water.
> >
> > 73 de Ronnie
> >
> >
> >
> > ----- Original Message -----
> > From: "Wes Johnston" <wes@johnston.net>
> > To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
> > Sent: Friday, January 04, 2002 01:54
> > Subject: [aprssig] FCC takes part of 220mhz (again).
> >
> >
> > This was lifted from the WCA weekly bulletin. Thought it may be of
> interest
> > due to our interest in 220mhz for packet. Looks like they cropped off
> those
> > high speed packet channels on 219mhz. (we did get those back from UPS
> > didn't we?)
> > Wes
> >
> > FCC Authorizes TDD Spectrum, Providing Boost To Many WCA Members
> > Proponents of broadband wireless services over TDD technology won a
major
> > victory when the FCC allocated bands in the U.S. TDD (time division
> > duplexing) is designed to handle traffic bursts associated with data
> > services, such as Internet browsing on a mobile phone. In an order
> released
> > today, the FCC will allocate 27 MHz in seven bands of government-owned
> > spectrum for the introduction of new wireless technologies and services,
> > including TDD, an air-interface technology that transmits and receives
> > signals over a single frequency band, setting it apart from the FDD
> > (frequency division duplex) protocol used in conventional wireless
> telephone
> > systems. "This announcement by the FCC is an important step toward
> > encouraging technologies like TDD that require only a relatively small
> band
> > for bi-directional broadband wireless communications," comments TDD
> > Coalition Chairman Remi Chayer of Harris Corp., who speaks at WCA's
> > Technical Symposium on "The Advantages of TDD Broadband Access Systems"
on
> > Jan. 15. "As spectrum becomes more valuable, it is essential that we
> > promote technologies like TDD that use only one channel for both
upstream
> > and downstream traffic, making this a particularly effective means of
> > transmitting data in the most efficient way." The FCC's order allocates
> > spectrum from government to commercial use in the following bands:
216-220
> > MHz, 1390-1395 MHz, 1427-1429 MHz, 1429-1432 MHz, 1432-1435 MHz,
1670-1675
> > MHz and 2385-2390 MHz. Paragraphs 67 to 71 of the FCC order address the
> > 2385-2390 band that, along with the 2390-2400 MHz band, is being
discussed
> a
> > possible replacement spectrum for MDS 1 and 2/2A. The FCC makes no
> mention
> > of the possible use of this band for MDS, and the decision anticipates
the
> > use of competitive bidding to license the band for flexible uses, noted
> WCA
> > Counsel Robert Primosch.
> > In related news, the FCC on Dec. 12 reallocated 48 MHz of spectrum in
the
> > lower 700 MHz band (698-746 MHz) to fixed and mobile services. The FCC
> > reclaimed this spectrum for new commercial services for the transition

of
> > television broadcasting from analog to digital transmission systems.
The
> > order approved for licensing two 6 MHz blocks of unpaired, contiguous
> > spectrum. TDD Coalition member ArrayComm, which has secured a license
to
> > deploy the technology in Australia, also praised this FCC's decision.
> "The
> > allocation of unpaired spectrum is an important step toward bringing new
> > wireless data services to America's consumers," ArrayComm Co-Founder and
> CEO
> > Martin Cooper told reporters. "Using existing technology, there is
simply
> > not enough spectrum available to provide new affordable wireless
> > applications and to continue the expansion of existing services." TDD
> > spectrum has been allocated for data systems in Europe and Japan. The
TDD
> > Coalition (a "Supporting Association" for WCA's Symposium) includes as
> other
> > founding members beside Harris and ArrayComm these other WCA member
> > companies: Aperto Networks, BeamReach Networks, CALY Networks,
Clearwire,
> > IPWireless, LinkAir, Malibu Networks, Radiant Networks, Raze
Technologies
> > and Wavion.
> >
> >
> >
> >
> >
> >
> > ---
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> > To unsubscribe send a blank email to leave-aprssig-842K@lists.tapr.org
> > Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org
> >
> >
>

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---

75. [aprssig] APSRd and udp

From: Danny.Butler@txucom.com
Date: Fri, 4 Jan 2002 16:37:11 -0600
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-55234-2002.01.04-17.06.45--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Is anyone running APRSd and using the UDP functionality? I am interested
in seeing some example scripts to perhaps glean weather and/or satellite
info off the internet and stream to local rf. Could use some elmering
here. Haven't found very much info on this facet of aprsd.

Thanks in advance.

Danny
KD5SUB
www.txuarc.org

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---

76. [aprssig] Re: FCC takes part of 220mhz (again).

From: "Ronald Reams" <wa4mjf@worldnet.att.net>
Date: Fri, 4 Jan 2002 17:37:29 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-55235-2002.01.04-17.07.21--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

If they're on this SIG they better know what packet is...

THAT IS ALL.....

Sorry Stan

----- Original Message -----
From: "wd4awo" <wd4awo@msn.com>
To: "Ronald Reams" <wa4mjf@worldnet.att.net>
Sent: Friday, January 04, 2002 17:29
Subject: Re: [aprssig] Re: FCC takes part of 220mhz (again).

I did before I sent it to you.

No wonder we live in a panic stricken society.

All of the new hams out there believe every alarm you guys send out.

The people who read your comments probably have no idea what packet is anyway because they are doing good to have an HT with families to support.

Besides, you did not mention 219-220 you said (your words not mine) of course, the 216-220 MHz was not primary to us.
You made it sound like the Commission just came in and grabbed it.

Bob wd4awo

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Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

77. [aprssig] Re: FCC takes part of 220mhz (again).

From: "Ronald Reams" <wa4mjf@worldnet.att.net>
Date: Fri, 4 Jan 2002 17:38:34 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-55236-2002.01.04-17.08.31--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

The FCC can not "grab" government (US) frequncies.

NTIA must give them to the FCC.

Of course, since the discussion is about 216-220, that is the range that I was talkin' about...

Make some sense now....

----- Original Message -----
From: "wd4awo" <wd4awo@msn.com>
To: "Ronald Reams" <wa4mjf@worldnet.att.net>
Sent: Friday, January 04, 2002 17:29
Subject: Re: [aprssig] Re: FCC takes part of 220mhz (again).

I did before I sent it to you.

No wonder we live in a panic stricken society.

All of the new hams out there believe every alarm you guys send out.

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Besides, you did not mention 219-220 you said (your words not mine) of course, the 216-220 MHz was not primary to us.
You made it sound like the Commission just came in and grabbed it.

Bob wd4awo

```
---
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```

78. [aprssig] Re: APRS-PLUS and *dead connection* - can anyone help ?

From: "Brent Hildebrand" <bhildebrand@earthlink.net>
Date: Fri, 4 Jan 2002 14:55:23 -0800
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-55238-2002.01.04-17.24.52--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

```
With loss of a connection, or a 120 second period of time with no input , APRS+SA will move the next
server in the list. The period of time currently is not programmable.  I could be made to be very easily
 if that is something people want.  It would probably take 60 seconds of programming time.

Brent Hildebrand, KH2Z

APRS+SA
http://www.tapr.org/~kh2z/aprsplus
ftp://ftp.tapr.org/aprssig/winstuff/aprsplus

[]


> Greetings,
>
> Just curious. If an APRS-PLUS system is connected to a server
> and does not receive ANYTHING after a particular period of time,
> will APRS-PLUS terminate the connection and move on to the next
> one in it's rotation list ?
>
> Is the period of silence configurable ? Can this check be
> switched off ?
>
> 73 Maiko / VE4KLM
>
> ---
> You are currently subscribed to aprssig as: bhildebrand@earthlink.net
> To unsubscribe send a blank email to leave-aprssig-842K@lists.tapr.org
> Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org
>


---
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```

79. [aprssig] Re: APRS-PLUS and *dead connection* - can anyone help ?

From: "WalterH" <walterh@k5wh.net>
Date: Fri, 4 Jan 2002 17:02:31 -0600
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-55242-2002.01.04-17.33.03--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

```
Yes Brent,

  This would be a very helpful addition.

Many thanks,
Walter/K5WH


 -----Original Message-----
From:   bounce-aprssig-20820@lists.tapr.org
[mailto:bounce-aprssig-20820@lists.tapr.org]  On Behalf Of Brent Hildebrand
Sent:   Friday, January 04, 2002 4:55 PM
To:     TAPR APRS Special Interest Group
Subject:        [aprssig] Re: APRS-PLUS and *dead connection* - can anyone help ?

With loss of a connection, or a 120 second period of time with no input ,
APRS+SA will move the next server in the list. The period of time currently
is not programmable.  I could be made to be very easily if that is something
people want.  It would probably take 60 seconds of programming time.

Brent Hildebrand, KH2Z
```

APRS+SA
http://www.tapr.org/~kh2z/aprsplus
ftp://ftp.tapr.org/aprssig/winstuff/aprsplus

[]

> Greetings,
>
> Just curious. If an APRS-PLUS system is connected to a server
> and does not receive ANYTHING after a particular period of time,
> will APRS-PLUS terminate the connection and move on to the next
> one in it's rotation list ?
>
> Is the period of silence configurable ? Can this check be
> switched off ?
>
> 73 Maiko / VE4KLM
>
> ---
> You are currently subscribed to aprssig as: bhildebrand@earthlink.net
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>

You are currently subscribed to aprssig as: walterh@k5wh.net
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---

80. [aprssig] Re: HamStar?

From: "Jack Smith" <jrs38801@bellsouth.net>
Date: Fri, 4 Jan 2002 17:32:40 -0600
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-55247-2002.01.04-18.02.05--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Well, I'm not actually all that sure. It would depend on the emergency, I suppose. And it's initiation would hinge on the way ham who installed it set up to trigger. Examples of no problem would be air bag deployment or manual trigger by the ham. Obviously these would fit the bill. However, the thing going off because someone set the motion sensor to sensitive would not! Maybe a 6th I/O would be better. One that would be set up for just the "EMERGENCY" beacons. "5" cold be left to change just the beacon text/beacon time to indicate "problem", without the map-centering, etc. on the other end that APRS does.

Jack KE4LWT

>
> >   5- Siren (Also would trigger "EMERGENCY" APRS beacon
> >
>
> What would the legality of this option be? At that point your car would be
> initiating a transmission. Or at minimum adding a line to your
> predetermined string.
> I'm reminded of a story I read about a Ham that had the alarm at a tower
> site trigger a Morse message over the repeater if the site was ever
> infiltrated. If I recall correctly he was busted, however I cannot
> remember the penalty if any.
> How would this differ?
>
> Aaron (KC8CAL)

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81. [aprssig] Re: FCC takes part of 220mhz (again).

```
From: "Ronald Reams" <wa4mjf@worldnet.att.net>
Date: Fri, 4 Jan 2002 19:11:17 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: "APRS SIG" <aprssig@tapr.org>
Message-ID: <LYR842-55282-2002.01.04-18.41.08--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain
```

```
Look, Bob, I was never a member of BARF (Better Amateur Radio
Foundation) and I don't know what makes you wanna assoicate them with me.
Never believed in their principles, although I have some ham friends who
fully
supported BARF.

I am in full support  of the Martime Mobile Net and the Intercon Net
and the CG net and all other nets on 14.3...

WHERE ON EARTH DO YOU GET YOUR INFORMATION?


----- Original Message -----
From: "wd4awo" <wd4awo@msn.com>
To: "Ronald Reams" <wa4mjf@worldnet.att.net>
Sent: Friday, January 04, 2002 17:47
Subject: Re: [aprssig] Re: FCC takes part of 220mhz (again).


You sure made it sound like they do to kd4nfs who sent this to me originally
and is so worried that the 220 HT he just bought is not going to be of any
use to him in the near future.

I am not the person or organization he received it from.
Before sending or resending information you should consider the problems and
anxiety it causes new hams when they receive half facts.

You might be mistaken to be associated with KV4FZ and K1MAN by new hams when
they discover that they received only part of the story.

Bob  wd4awo




---
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```

---

82. [aprssig] map conversion

```
From: "John L. Place" <jplace@sc.rr.com>
Date: Fri, 04 Jan 2002 21:09:08 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-55298-2002.01.04-20.39.06--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain
```

```
Does anyone know of a way to import .mps maps into Aprs or make them
work with APRS?
```

[Attachment: jplace.vcf; text/x-vcard; 184 bytes]

---

83. [aprssig] Re: map conversion

```
From: Keith Sproul <ksproul@vger.rutgers.edu>
Date: Fri, 4 Jan 2002 21:21:39 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: aprssig@lists.tapr.org
Message-ID: <LYR842-55299-2002.01.04-20.52.18--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain
```

```
The format of our maps is openly published.  I will look up the exact
web site..

We also can handle the Palm Pilot's map format, and image files.
However, image files require .geo files to go along with them. (.geo
= geo-reference data). The information on how to do this is in our
on-line documentation also.

We are actively working on some more topo formats, and if you have a
'favorite' type of map data, I would love to know about it and see
what I can do..
```

Let me know what a ".mps" file is and I will look into it..

Keith Sproul

>Does anyone know of a way to import .mps maps into Aprs or make them
>work with APRS?
>
--
Keith Sproul   Ham Radio WU2Z
ksproul@vger.rutgers.edu   732 821-4828

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Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

84. [aprssig] Re: Other Uses for OnStar...

From: James Ewen <jewen@shaw.ca>
Date: Fri, 04 Jan 2002 19:49:39 -0700
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-55301-2002.01.04-21.18.59--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

> The point of this is; is it common that 911 personel do not understand
> Lat/Long? If so, then I fail to see what good it does to report this to
them
> because how are they going to use it to help us?

Umm, why have a 911 system? There are idiots manning the system as we speak.

I listened to a police chase one day, where the officer in pursuit had been chasing the suspect for 3 hours. His cruiser was nearly out of gas, and he desperately needed to have another cruiser take his place.

The officer was calling out road numbers as he passed through intersections. (Our local roads are number sequentially, increasing in numeric value as you move west, and north, and laid out in a nice even rectangular grid. Not a difficult concept)

The dispatcher had no idea where the pursuit was, and could not help direct any of the 6 other police cruisers in the area towards the pursuit. The 6 other police cruisers attempting to intercept had no idea how to get into an intercept position either.

The problem is that there is a lack of knowledge and training at the dispatch level if they can not understand the information given to them.

With the implementation of our local air ambulance, GPS coordinates are a necessity. I would guess that most areas of the United States have similar air ambulance services...

Besides, this is all an academic exercise... it's not going to happen.
Someone posed a question, and we're playing the "What if" game.

James
VE6SRV

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Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

85. [aprssig] Re: HamStar?

From: James Ewen <jewen@shaw.ca>
Date: Fri, 04 Jan 2002 20:03:05 -0700
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-55302-2002.01.04-21.32.29--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

> >   5- Siren (Also would trigger "EMERGENCY" APRS beacon
> >
>
> What would the legality of this option be? At that point your car would be
> initiating a transmission.

Geez, you guys need to move north of the 49th! We can play to our heart's content without fear of some nasty FCC man hauling us off to jail.

We are allowed to send telemetry without fear!

The above situation is not a car initiated transmission. It is a telemetry string which is triggered by an external event. *I* programmed the TNC to operate this way, which means that *I* initiated the transmission. The transmission was waiting for the proper set of conditions to arise.

If you think this is an illegal transmission, then shut down all of your packet stuff. APRS position reports use an external trigger from a clock! Other stations digipeating through you are external triggers too!

James
VE6SRV

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86. [aprssig] Re: map conversion

From: "John L. Place" <jplace@sc.rr.com>
Date: Fri, 04 Jan 2002 22:05:16 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-55304-2002.01.04-21.35.58--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

These are the format for that Microsoft Streets and Trips 2002 use for the pocket PC, such as the Compaq Ipaq 3835 after doing the export for it.

Keith Sproul wrote:

> The format of our maps is openly published. I will look up the exact
> web site..
>
> We also can handle the Palm Pilot's map format, and image files.
> However, image files require .geo files to go along with them. (.geo
> = geo-reference data). The information on how to do this is in our
> on-line documentation also.
>
> We are actively working on some more topo formats, and if you have a
> 'favorite' type of map data, I would love to know about it and see
> what I can do..
>
> Let me know what a ".mps" file is and I will look into it..
>
> Keith Sproul
>
> >Does anyone know of a way to import .mps maps into Aprs or make them
> >work with APRS?
> >
> --
> Keith Sproul   Ham Radio WU2Z
> ksproul@vger.rutgers.edu   732 821-4828

[Attachment: jplace.vcf; text/x-vcard; 184 bytes]

87. [aprssig] HamStar potential parts....

From: "Jack Smith" <jrs38801@bellsouth.net>
Date: Fri, 4 Jan 2002 21:20:10 -0600
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-55305-2002.01.04-21.49.54--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Here's a DTMF decoder that would really well, and at a nice price, too.

http://www.uddle.com/

For GPS units, there's lots of OEM evaluation ones out there with great specs.

http://www.laipac.com has a few excellent ones.

Interfacing into door locks, etc. isn't a problem on most cars. But use Bosch relays. (I used to do mobile security systems in a previous life.)

Of course there's gobs of ways to implement APRS tracking. MIM module, TinyTrack, stand alone TNCs, etc.

I think it could be done for about $200-250, and no annual fees! I think that just may be my summer project...

Jack KE4LWT

---

88. [aprssig] Re: map conversion

From: James Ewen <jewen@shaw.ca>
Date: Fri, 04 Jan 2002 20:19:21 -0700
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-55306-2002.01.04-21.56.50--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

I believe I have asked this question here before, but in case I haven't...

Map format conversion is all nice and handy, but what about those of us who do not have access to any map data at all... Has anyone written software that can be used to hand draw maps?

Specifically what I would like to be able to do, is scan in a map, and calibrate it (identical to using a .geo enabled scanned map in WinAPRS). Then, I would like to be able to use the mouse to draw vector graphics over top of the scanned map, bascially, creating an APRS line map over top of the scanned map. The line map data would then be able to be saved as a plain old dosAPRS map, or in WinAPRS format, etc.

I would also like to be able to stitch multiple maps drawn using this method together.

Our printed maps are all in the wrong projection to allow us to scan anything covering a decent area around here, and Canadian map data is extremely expensive.

James
VE6SRV

---
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89. [aprssig] Re: Other Uses for OnStar...

From: Mark Fellhauer <sparkfel@qwest.net>
Date: Fri, 04 Jan 2002 22:10:02 -0600
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-55308-2002.01.04-22.39.39--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

At 11:38 AM 1/4/02, Ronald Reams wrote:
\>While I think that the indians should not shoot at them
\>as a general rule. I guess it begs the question since
\>reservation land is sorveign indian land. Did they get
\>permission to overfly? Were they over one
\>of their sacred grounds?

Umm, the whole "sovereign" rights issue is a sham, and Native Americans really have no say in commercial, military, or general aviation navigation. They are US citizens and bound by US law. And don't assume that all those bullets being fired are from Native Americans.   In the case here in SoDak, it wasn't.

Most states have a law stating you can respond to force with a like amount of force. I say if someone is shooting at my aircraft, he is attempting to kill me. IMHO, balloonists should carry high-power scoped rifles and return fire...

\>The indians should have left it to the tribal police
\>do take action though.

I think if someone filed a complaint with the Tribal Police about balloon overflights, they'ed be laughed at.   "We'll send out the tribal airforce to intercept..." BTW, I've flown in the Havasupai Res' leased helicopter...an aged Hughes 500. It's the only indian tribe I know of that maintains an aircraft for tribal use. But given their location in the Grand Canyon, it's about the only way in with heavy loads.

I think we've strayed enough off topic.   I don't how to resolve the issue of emergency dispatch and GPS coordinates. I will comment that most "911" operators are poorly paid and poorly trained, especially in smaller and rural communites, where the use of GPS coordinates becomes more necessary. I used to live in a town in Ohio that didn't have 911 service until about a decade ago...

73,

Mark
KC7BXS

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---

90. [aprssig] Re: map conversion

From: Bruce & Leigh Coates <bruce.coates@sk.sympatico.ca>
Date: Fri, 04 Jan 2002 22:19:10 -0600
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-55309-2002.01.04-22.48.42--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Hi James,

I've been using GPS TrackMaker (http://www.gpstm.com/) to do just this. It allows you to calibrate a bitmap file and then draw in your own tracks. The good news is that it is able to save the map file in WinAPRS MAP format. It's a bit labour intensive but I've used this method to create WinAPRS maps for the Saskatoon MS Bike Tour and a street level city map for Saskatoon.

If you want more details feel free to contact me directly.

73 - Bruce - VE5BNC

-----Original Message-----
From: James Ewen <jewen@shaw.ca>
<snip>
>Has anyone written software that can be used to hand draw maps?
>
>Specifically what I would like to be able to do, is scan in a map, and
>calibrate it (identical to using a .geo enabled scanned map in WinAPRS).
>Then, I would like to be able to use the mouse to draw vector graphics over
>top of the scanned map, bascially, creating an APRS line map over top of
the
>scanned map. The line map data would then be able to be saved as a plain
old
>dosAPRS map, or in WinAPRS format, etc.
<snip>

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---

91. [aprssig] RE: Other uses for OnStar (SOAPBOX ON ASBESTOS SUIT ON)

From: docfester@mindspring.com
Date: Fri, 04 Jan 2002 23:47:57 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-55310-2002.01.04-23.17.18--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

I take offence of you saying dispatchers are "idiots." I am one for my city. I am also the Training officer for dispatch, and I am a Training officer for patrol officers when they go through our dispatch. I am also a state certified NCIC (our version of CPIC) instructor. All personnel here (SC) go through up to 3 months of training before being by themselves. They have to know how to read a map and they have to ride with patrol officers to know the layout of the system. While yes, I have met dispatchers who are dense, they do not last long in this business. There are times when during a chase, an officer will give out a location that is not on the map. (We only get maps that cover our area, that's government for you.) That can make it extremely hard for dispatch to know the location of the officer. There is a saying that we tell officers: God may know where you are and you may know where you are, but if dispatch doesn't know where you are, you and God better be on go!
!
od terms! This morning another adjacent agency did not know an officer was in trouble until I told them. I found out later on, that the officer got "too busy" to notify dispatch of what was going on. We get very little to no recognition in our business, except by our peers. Our pay is the about the lowest of ALL public safety fields. (Fire, police, EMS.) Yet we put in 12 hour or more days. We take

verbal abuse from our citizens. I am not a "wanna be police officer or firefighter or EMT." I was an EMT/Firefighter until I was injured 10 years ago. I do not know what training Canadian dispatchers get, but I would not call ours as "idiots."

Les Alverson
KD4sFD
CTO, TRO, Greer Police Department
Greer, SC, USA and **** proud of it.

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92. [aprssig] RE: Other uses for OnStar (SOAPBOX ON ASBESTOS SUIT ON)

From: James Ewen <jewen@shaw.ca>
Date: Fri, 04 Jan 2002 22:12:26 -0700
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-55313-2002.01.04-23.42.10--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

> I take offence of you saying dispatchers are "idiots."

I didn't mean to demean anyone with the above term... I suppose I should have said rather that the dispatchers and police do not know all... how's that?

In a perfect world, all emergency services would have a tracking unit with them, and the dispatcher would be able to play "God". All it would take, would be a quick peek at the map on the screen to know where everyone was.

Like any endeavor, what looks like a well run system on the outside, can look like total chaos from the inside.

Many of the public service events we do work out flawlessly as far as the served agency is concerned. From my point of view as net control, I'd love to take a big stick and whack a few people...

I guess this is more of what I was attempting to say. I couldn't believe how many screw ups took place on one simple pursuit. It doesn't take very much time listening to the local RCMP to realize that they too are human, rather than the all knowing, all seeing agency usually protrayed on TV.

Sorry for any slight towards any of our fine emergency services personel...
Our lives depend on you!

James
VE6SRV

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93. [aprssig] RE: Other uses for OnStar

From: docfester@mindspring.com
Date: Sat, 05 Jan 2002 00:24:41 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-55314-2002.01.04-23.54.06--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

James, thanks. Our personal world, along with the rest, have been changed drastically since 9-11 (which was to be the start of Emergency Services Week.)
I hope and pray this year will be better.
Take care and God Bless.
Les
KD4SFD

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94. [aprssig] Re: GPS III+ Problems

From: Valentino Sarro <sarrov@telusplanet.net>
Date: Fri, 04 Jan 2002 22:31:25 -0700

To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: aprsplus@k8sn.org, nwaprssig@nwaprs.org,
TAPR APRS Special Interest Group <aprssig@lists.tapr.org>
Message-ID: <LYR842-55328-2002.01.05-00.02.00--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

It's rather funny that you mention this.....I was noticing the same thing recently with my Garmin III+....

And, a friend of mine who has a Garmin III (no plus) was having the same problem.

Maybe its the GPS system in general?

Anyone else noticing this stuff?

Tino, VE6SZR
Calgary, Alberta

Rex and Julie Blaine wrote:

> Northwest Automatic Position Reporting System SIG Mailing List
> ---
> Greetings All,
>
> My Garmin GPS 3+ has just recently developed a problem with acquiring satellites and then losing their signal strength to the point of the "Poor Coverage" and then no Lat/Long.
>
> This has all happened since the new year, I used the unit on Monday the 31st with no problems, since yesterday Thursday (3rd) I have been having problems. The unit had 915 hours since factory reset, today I uploaded the latest software 2.05 and did a reset. After the reset it took along time to re-acquire satellites and download the almanac and seemed to work OK. Later this afternoon I tried the unit again and it wouldn't acquire any satellites.
>
> I have used the stock gps antenna and also an after market Lowe magnetic gps antenna with the same results.
>
> Anybody else experiencing this problem or is this just a coincidence with the New Year or did my unit just give up in the New Year?
>
> 73's & Thanks for your time.
>
> Rex Blaine, KI0BJ
> SouthCentral/SouthEast Montana Gateway.
> ---
> To Unsubscribe, send e-mail to nwaprssig-request@nwaprs.org with unsubscribe nwaprssig in the body.

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Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

95. [aprssig] question and answers

From: "Cameron Summerhawk" <cameron_summerhawk@hotmail.com>
Date: Fri, 04 Jan 2002 22:50:46 -0700
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-55329-2002.01.05-00.20.12--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Hello again all,

I have had a few ask why the name does not match the call, well I got married and had a name change in the past two weeks and the fcc has yet to change the name in the data base. Now, that being said. Can anyone set me in the right direction for a mate in connections for a paccomm pico packet TNC and a Jornada 680/690? I have mated it with a FT-411 from Yeasu but the computer to tnc connection is escaping me. Also, is there a frequency(s)that are used for SSTV? I got a VC-H1 for christmas and have wanted to try it out but have been unable to find a list of safe frequiencies to transmit on. 2m or 70cm would be nice. Email me off the list with the information please.

Thanks for the information in advance.

Cameron Summerhawk.

```
_________________________________________________________________
Chat with friends online, try MSN Messenger: http://messenger.msn.com


---
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```

96. [aprssig] FCC NPRM: GPS via FRS

```
From: "Cap Pennell" <cap@cruzio.com>
Date: Fri, 4 Jan 2002 22:03:48 -0800
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-55332-2002.01.05-00.33.23--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain
```

```
----- Original Message -----
From: <emergcomm@yahoogroups.com>
>    Date: Thu, 3 Jan 2002 09:40:52 -0500
>    From: "Rick Harrison" <radio62@idirect.com>
> Subject: Info from CGC #493
>
> NPRM LOOKS TOWARD ALLOWING GPS DATA TO BE SENT VIA FRS
>
>  The FCC has issued a Notice of Proposed Rulemaking (NPRM)
> looking toward allowing Family Radio Service (FRS) radios to
>  transmit Global Positioning System (GPS) location information in
>  addition to voice communications.  Specifically, "(GPS) digital
>  data transmissions shall not exceed one second, must be initiated
>  by a manual key press, and shall be limited to no more than one
>  digital transmission within a ten-second period."  Comments to
> the Commission are invited.
>
>  http://hraunfoss.fcc.gov/edocs_public/attachmatch/FCC-01-366A1.doc


---
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```

97. [aprssig] RE: aprssig digest: January 03, 2002

```
From: "Jon Adams" <jon@jonadams.com>
Date: Fri, 4 Jan 2002 23:39:05 -0700
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-55339-2002.01.05-01.08.31--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain
```

```
> Subject: ZDnet story on wireless LAN software with APRS-like features...
> From: WA8LMF2@aol.com
> Date: Thu, 3 Jan 2002 16:22:35 EST
> X-Message-Number: 10
>
> Excerpted from article on Zdnet at:
>
> t.sh.sr.pl.pr5684856
>
> wireless network adapter into my Sony PictureBook notebook and launched a
> clever application called Network Stumbler

Good evening, Stephen et al-
Network Stumbler is indeed a fun tool. I run a home 802.11b network and very
quickly saw how vulnerable i was when i glommed onto NS.  In the past two
weeks of driving to and from work and other venues I've logged well over 250
access points, a few peers, and I'd say that more than 75% are without WEP
(Wireless Encryption Protocol). Many are not apparently tied to the
internet, but there's a few that I can say provided quick and complete
access to the internet. pretty nice if you needed to send an emergency
email, huh??? Here in PHX many of the more modern convenience store and gas
station Circle Ks run an 802.11b network, named "tsunami", which is
apparently used for point of sale and maybe inventory/gas pump stuff.
Haven't figured it out, yet. Trader Joe's markets run TJPOS and TJALL nodes
in each store here. A lot of warehouses and factories in town are running
INTERMEC equipment, and the networks are all called INTERMEC. There are a
pile of access points named "linksys" and "default". Guess folks were in
such a hurry that they never even changed the default network name. The
worst offenders are private parties (homes) but I've found a few businesses
that ought to lock down the system a bit better!!! The worst though are
```

those homes that name their networks using their last name, so they're pretty easy to find since all you've gotta do is look for the name on the mailbox!
However, what I'd really like to see is an expansion of the public access internet that this equipment can provide. I've been toying with the idea of a 10dBi antenna on the roof and maybe even a bidirectional amplifier, might get range exceeding 1/2 mi in all directions. think of how nice it would be if someone put a system of these up on mountain tops with sectorized antennas and secured it for only hams? Pretty cool!!! The stuff works at speeds of at least 30 mph, i'm sure it would work at higher speeds, especially based upon some intersil info i heard last year where they demonstrated 70mph speeds.
Well, maybe I can convince some folks around here to do some experimentation...

73 - jon n7uv

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---

98. [aprssig] Re: question and answers [on PicoPacket and SSTV]

From: WA8LMF2@aol.com
Date: Sat, 5 Jan 2002 04:31:40 EST
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: cameron_summerhawk@hotmail.com
Message-ID: <LYR842-55348-2002.01.05-04.02.23--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

In a message dated 1/4/02 9:52:52 PM Pacific Standard Time, cameron_summerhawk@hotmail.com writes:

> Can anyone set me in
> the right direction for a mate in connections for a paccomm pico packet TNC
> and a Jornada 680/690?

The PicoPacket comes with a female DB-25 to mate with the standard 25-pin male PC serial-port connector common on older PCs. I assume the Journada comes with some sort of serial cable (probably intended to sync it with a PC) terminated with a DB-9 9-pin female plug (so that it will mate with the DB-9 male serial port on modern PCs). You need:
1) to convert from 9 pins to 25 pins
2) a male-male gender changer to mate two female devices together
3) cross-over wiring; i.e. null modem

You can either wire your own cable from a DB-9M connector, a DB-25M connector and some 9-conductor wire, --OR-- get an "AT modem" pigtail (short cable with a male DB-25 and a female DB-9 intended to connect a external modem to the 9-pin serial port of a PC) and a "null modem" with male DB-9s on each end to mate the AT modem cable and the Journada cable. The send/receive data lines should be easy to cross over, but the hand shaking lines (CTS/RTS, DSR, etc) may be a pain since I don't know if the Journada implements a full set of serial port control lines.

> Also, is there a frequency(s)that
> are used for SSTV? I got a VC-H1 for christmas and have wanted to try it out
>
> but have been unable to find a list of safe frequiencies to transmit on. 2m
> or 70cm would be nice. Email me off the list with the information please.
>

There is no standardized freq on VHF/UHF for SSTV. Most activity is on HF on 14.230 or 14.233 USB, 21.340 USB and 28.680 USB. The SSTV calling freqs on 80 and 40 are 3.845 and 7.171 although you practically never hear anyone there.

Since SSTV is frequency-modulated audio, it can pass through any channnel that can pass voice. I have actually used it through voice repeaters several times. If you want someone to send to, you might encourage a friend to get the freeware SSTV program MMSSTV which sends/receives SSTV through a PC sound card. They would only need a connection across the speaker of a transceiver or scanner to receive only. What radio are you going to mate the VC-H1 with? The unit can function as a speaker/mic as well as sending and receiving SSTV.

```
I would recommend that you use an external NTSC video source such as a
digicam with a TV monitor output, or a camcorder instead of the VC-H1's
absolutely awful built-in camera head.   Just pop it off; then you can feed
any NTSC video source into the 3.5mm stereo mini-jack that is exposed.  The
VC-H1's internal scan converter is capable of excellent pics WHEN it is
supplied with quality video signals (which it's own camera head can't produce)
    [WARNING! Connect or disconnect the head or external cable only with the
VC-H1 turned off!!  The tip contact of the stereo miniplug on the removable
head carries 5VDC power for the camera. Shorting this to the sleeve
(ground/common contact) as you plug or unplug WILL blow a minute
surface-mount fuse inside the unit! Idiscovered this the hard way! ]

I run SSTV "mobile LiveCAM" with a VC-H1 and a small Sony digicam on the
dashboard of my car (see my web site for more info).   I am presently working
on a setup that will mate a Mic-E encoder and the VC-H1 so that I can follow
up each SSTV transmission with an APRS position report. Later on I hope to
use a small video title superimposer and a Basic Stamp to superimpose GPS
coords on the transmitted video image.

Stephen H. Smith                   wa8lmf @ aol.com
    who has been on SSTV for (gasp!) 30 years....

Home Page:
http://members.aol.com/wa8lmf
Ham Radio/Mobile SSTV page:     http://members.aol.com/wa8lmf/ham
APRS Stuff
http://members.aol.com/wa8lmf/aprs
------------------------------------------------------------------------------

----------
|    Radio Communications Systems       Personal Computers
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|    File Conversions       MS-Windows Setups       VISCII Fonts
------------------------------------------------------------------------------

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```

---

99. [aprssig] RE:Other uses for OnStar

From: "Ray A. Krohn" <kd3rn@ptd.net>
Date: Sat, 05 Jan 2002 08:09:13 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-55362-2002.01.05-07.42.58--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

```
Ok,
    A clarification of my previous posting.  What I meant was using the
EXISTING OnStar hardware that consists of a cell phone/controller module
and a GPS receiver.  I concede that using a different radio and decoder
you would be able to control door locks, lights, etc.

        Ray
```

[Attachment: kd3rn.vcf; text/x-vcard; 264 bytes]

---

100. [aprssig] Re: Other Uses for OnStar...

From: Hamish Moffatt <hamish@cloud.net.au>
Date: Sun, 6 Jan 2002 00:42:27 +1100
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-55366-2002.01.05-08.11.50--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

```
On Fri, Jan 04, 2002 at 11:10:33AM -0600, Mark Fellhauer wrote:
> My personal opinion is that these people are terrorists (an organized group

Have you heard the story of the boy who cried wolf?
Why don't you reserve that description for groups that really deserve it?


Hamish
--
Hamish Moffatt VK3SB <hamish@debian.org> <hamish@cloud.net.au>

---
```

```
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```

101. [aprssig] findu - wx

From: JD Delancy <W1JD@arrl.net>
Date: Sat, 05 Jan 2002 08:48:15 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-55370-2002.01.05-08.20.47--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

```
Whats with the findu.com these days?  I was trying to demostrate weather reporting
to a local TV weather gal and all weather data on findu is not there for any station
"no report received in the last 24 hours."  When I look at those stations on the
air, they have gobs of data.  Has the weather collection ability of findu been
turned off??

---
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```

102. [aprssig] AIRMOBILE aprs

From: "Joe Della Barba" <joe@dellabarba.com>
Date: Sat, 5 Jan 2002 09:34:54 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-55372-2002.01.05-09.06.14--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

```
If all goes well and the wx holds out I will be airmobile Sunday morning as
N3HGB-7. I will have an alias of AIR, so if any of you see me and want to
try high altitude digipeating you can try APRS via AIR.
73
Joe
N3HGB (-1,-5,-7)


---
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```

103. [aprssig] PK-12 + PK-232 questions

From: "Joe Della Barba" <joe@dellabarba.com>
Date: Sat, 5 Jan 2002 09:48:29 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-55376-2002.01.05-09.19.51--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

```
My PK-12 will "unprogram" itself every so often and lock up with all the
LEDs lit. It can only be fixed by sending ***** with a PC to initiate the
autobaud routine and reconfiguring it. This is very annoying if a PC isn't
nearby. I have suspected that glitches in the power are doing this. Does
anyone think putting a large capacitor across the DC input would help with
this?
Also, the PK-12 has a mode to send a position string if you ground pin 4.
Has anyone fooled with this? I have thought of putting a pushbutton on the
unit or maybe a 555 timer and a pot for variable timing.
I wrote to Timewave about my old PK-232 and they said the firmware upgrade
for the 232 enables it to be a stand-alone tracker like the PK-12. Has
anyone done this? It doesn't seem very obvious from their website that this
is possible.
73
Joe N3HGB


---
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```

104. [aprssig] Re: question and answers [on PicoPacket and SSTV]

From: "Brad Darnell" <darnellb10@home.com>
Date: Sat, 5 Jan 2002 10:10:58 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: <cameron_summerhawk@hotmail.com>
Message-ID: <LYR842-55381-2002.01.05-09.42.17--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

>
> The PicoPacket comes with a female DB-25 to mate with the standard 25-pin
> male PC serial-port connector common on older PCs.

It does ??? Mine came with two "RJ" style jacks on the front. Maybe I got an
older (or newer) model ?

Brad - WA9BD

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---

105. [aprssig] Re: AIRMOBILE aprs

From: "John Becker" <molou@big-river.net>
Date: Sat, 5 Jan 2002 10:12:46 -0600
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-55393-2002.01.05-10.41.53--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

----- Original Message -----
From: "Joe Della Barba" <joe@dellabarba.com>

> If all goes well and the wx holds out I will be airmobile Sunday morning as
> N3HGB-7. I will have an alias of AIR, so if any of you see me and want to
> try high altitude digipeating you can try APRS via AIR.
> 73
> Joe
> N3HGB (-1,-5,-7)

>From what location? That would help (I think)

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---

106. [aprssig] Re: AIRMOBILE aprs

From: "Joe Della Barba" <joe@dellabarba.com>
Date: Sat, 5 Jan 2002 11:22:54 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-55395-2002.01.05-10.54.18--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

I will be flying near Annapolis, Maryland.
Joe
----- Original Message -----
From: "John Becker" <molou@big-river.net>
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Sent: Saturday, January 05, 2002 11:12 AM
Subject: [aprssig] Re: AIRMOBILE aprs

> ----- Original Message -----
> From: "Joe Della Barba" <joe@dellabarba.com>
>
>
> > If all goes well and the wx holds out I will be airmobile Sunday morning
as
> > N3HGB-7. I will have an alias of AIR, so if any of you see me and want
to
> > try high altitude digipeating you can try APRS via AIR.
> > 73
> > Joe
> > N3HGB (-1,-5,-7)
>
> >From what location? That would help (I think)
>
>
>
>
>

```
> ---
> You are currently subscribed to aprssig as: joe@dellabarba.com
> To unsubscribe send a blank email to leave-aprssig-842K@lists.tapr.org
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>
>



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```

107. [aprssig] RE: findu - wx

```
From: "Joe Dorn" <joedorn@stonemedia.com>
Date: Sat, 5 Jan 2002 10:27:18 -0600
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-55397-2002.01.05-10.57.59--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain
```

```
Findu is working great as of two minutes ago for my weather station. I
backed off to wide3-3 about two months ago (for about a month) and even
though I continued to show up on most APRS displays, I did not hit a server
that could take me to findu. I took it back to 7-7 and magically reappeared
on findu... my current URL for findu, if you wish to check me out, is:

http://www.findu.com/cgi-bin/wxpage.cgi?call=w5vex-1&radar=grk&last=120

Due to weather passing through the area I checked it at ten last night three
and six this morning and now with no problems other than a refresh...


Joe Dorn, W5VEX, Belton, Texas

-----Original Message-----
From: bounce-aprssig-23581@lists.tapr.org
[mailto:bounce-aprssig-23581@lists.tapr.org]On Behalf Of JD Delancy
Sent: Saturday, January 05, 2002 7:48 AM
To: TAPR APRS Special Interest Group
Subject: [aprssig] findu - wx


Whats with the findu.com these days?  I was trying to demostrate weather
reporting
to a local TV weather gal and all weather data on findu is not there for any
station
"no report received in the last 24 hours."  When I look at those stations on
the
air, they have gobs of data.  Has the weather collection ability of findu
been
turned off??

---
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```

108. [aprssig] Re: map conversion

```
From: Bob Bruninga <bruninga@usna.edu>
Date: Sat, 5 Jan 2002 12:26:41 -0500 (EST)
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: TAPR APRS Special Interest Group <aprssig@lists.tapr.org>
Message-ID: <LYR842-55399-2002.01.05-11.56.14--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain
```

```
On Fri, 4 Jan 2002, James Ewen wrote:

> Map format conversion is all nice and handy, but what about those of us who
> do not have access to any map data at all... Has anyone written software
> that can be used to hand draw maps?
```

```
APRSdos has a utility for just that.  It is called MAPFIX40.exe.  It will
draw vector APRSdos maps that WinAPRS and others can use.  It also
interfaces directly to a digitizer tablet for exact reproduction of paper
maps.  But it doesnt do anything with the BMP maps ou wanted this
overlayed over...

bob
>
> Specifically what I would like to be able to do, is scan in a map, and
> calibrate it (identical to using a .geo enabled scanned map in WinAPRS).
> Then, I would like to be able to use the mouse to draw vector graphics over
> top of the scanned map, bascially, creating an APRS line map over top of the
> scanned map. The line map data would then be able to be saved as a plain old
> dosAPRS map, or in WinAPRS format, etc.
>
> I would also like to be able to stitch multiple maps drawn using this method
> together.
>
> Our printed maps are all in the wrong projection to allow us to scan
> anything covering a decent area around here, and Canadian map data is
> extremely expensive.
>
> James
> VE6SRV
>
>
> ---
> You are currently subscribed to aprssig as: bruninga@usna.edu
> To unsubscribe send a blank email to leave-aprssig-842K@lists.tapr.org
> Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org
>

de WB4APR@amsat.org, Bob

PCsat WEB  page     http://www.ew.usna.edu/~bruninga/pcsat.html
ISS-APRS FAQ:       http://www.ew.usna.edu/~bruninga/iss-faq.html
CUBESAT Designs     http://www.ew.usna.edu/~bruninga/cubesat.html
APRS LIVE pages     http://www.ew.usna.edu/~bruninga/aprs.html
APRS SATELLITES     http://www.ew.usna.edu/~bruninga/astars.html
MIM/Mic-E/Mic-Lite  http://www.toad.net/~wclement/bruninga/mic-lite.html


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```

109. [aprssig] Re: FCC NPRM: GPS via FRS

```
From: Bob Bruninga <bruninga@usna.edu>
Date: Sat, 5 Jan 2002 12:32:39 -0500 (EST)
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: TAPR APRS Special Interest Group <aprssig@lists.tapr.org>
Message-ID: <LYR842-55400-2002.01.05-12.02.16--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain
```

```
Everyone on APRS should file FCC comments suggesting that there are 20,000
HAMs that have been doing this since 1992 using the internationally
recognized AX.25 packet radio protocol.   Any applications on FRS would
benefit from adhereing to this existing compatible protocol.

 On Fri, 4 Jan 2002, Cap Pennell wrote:

> ----- Original Message -----
> From: <emergcomm@yahoogroups.com>
> >    Date: Thu, 3 Jan 2002 09:40:52 -0500
> >    From: "Rick Harrison" <radio62@idirect.com>
> > Subject: Info from CGC #493
> >
> > NPRM LOOKS TOWARD ALLOWING GPS DATA TO BE SENT VIA FRS
> >
> >  The FCC has issued a Notice of Proposed Rulemaking (NPRM)
> > looking toward allowing Family Radio Service (FRS) radios to
> >  transmit Global Positioning System (GPS) location information in
> >  addition to voice communications.  Specifically, "(GPS) digital
> >  data transmissions shall not exceed one second, must be initiated
> >  by a manual key press, and shall be limited to no more than one
> >  digital transmission within a ten-second period."  Comments to
> > the Commission are invited.
> >
> >  http://hraunfoss.fcc.gov/edocs_public/attachmatch/FCC-01-366A1.doc
>
>
> ---
> You are currently subscribed to aprssig as: bruninga@usna.edu
> To unsubscribe send a blank email to leave-aprssig-842K@lists.tapr.org
> Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org
>

de WB4APR@amsat.org, Bob

PCsat WEB  page     http://www.ew.usna.edu/~bruninga/pcsat.html
ISS-APRS FAQ:       http://www.ew.usna.edu/~bruninga/iss-faq.html
CUBESAT Designs     http://www.ew.usna.edu/~bruninga/cubesat.html
APRS LIVE pages     http://www.ew.usna.edu/~bruninga/aprs.html
APRS SATELLITES     http://www.ew.usna.edu/~bruninga/astars.html
MIM/Mic-E/Mic-Lite  http://www.toad.net/~wclement/bruninga/mic-lite.html


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```

110. [aprssig] Re: [amsat-bb] PCsat/ISS Operating event

From: Bob Bruninga <bruninga@usna.edu>
Date: Sat, 5 Jan 2002 12:55:33 -0500 (EST)
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: TAPR APRS Special Interest Group <aprssig@tapr.org>, <amsat-bb@amsat.org>
Message-ID: <LYR842-55428-2002.01.05-12.24.58--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

```
I mentioned that my student classes would be monitoring the satelites
on Tuesday and Thrusday mornings (East Coast USA).  James asked what I
wanted from users:

> Messages sent to the birds? If so, how would we do that within the
> framework of "using" PCSAT, ISS and Sapphire?  By the way I have NOT
> heard anything from ISS since the crew change over, any comments ?

Me either.  I guess the minimum is for people to just come on the air and
beacon say once a minute with their APRS positin/status and or seeing
others on, send a message or two...  We have asked for Sapphire to
"speak  something" and Sapphire can also be used as a digipeater using the
callsign of KG6 (argh, I dont have it here)...

> Having been a high school physics teacher for 35 years and having used ham
> radio as an intergal part of my program I appreciate your working with the
> schools.  In my semi-retirement is there anything I could help you with in
> this venture ?

Just beacon on the birds during those passes.  The down side of this is
that if a few people come over and just start blasting away with packets
every 10 seconds or as fast as they can like most new users do on ISS,
then no one will get through.  But so far, it seems that in the USA, most
users do it the right way and everyone gets through...

Bob

> >PCsat/ISS Operating event:
> >
> >On Tuesday and Thursday morning 8/10 Jan, we will have 4 classes of
> >students observing PCsat, ISS and Sapphire passes.  If anyone is so
> >inclined to join us on the birds during those morning passes (8 to 12
> >EST each day) we will be watching...
> >
> >de WB4APR@amsat.org, Bob
> >
> >PCsat WEB  page     http://www.ew.usna.edu/~bruninga/pcsat.html
> >ISS-APRS FAQ:       http://www.ew.usna.edu/~bruninga/iss-faq.html
> >CUBESAT Designs     http://www.ew.usna.edu/~bruninga/cubesat.html
> >APRS SATELLITES     http://www.ew.usna.edu/~bruninga/astars.html
> >
> >----
> >Via the amsat-bb mailing list at AMSAT.ORG courtesy of AMSAT-NA.
> >To unsubscribe, send "unsubscribe amsat-bb" to Majordomo@amsat.org
> >
> >
>
```

```
de WB4APR@amsat.org, Bob

PCsat WEB  page     http://www.ew.usna.edu/~bruninga/pcsat.html
ISS-APRS FAQ:       http://www.ew.usna.edu/~bruninga/iss-faq.html
CUBESAT Designs     http://www.ew.usna.edu/~bruninga/cubesat.html
APRS LIVE pages     http://www.ew.usna.edu/~bruninga/aprs.html
APRS SATELLITES     http://www.ew.usna.edu/~bruninga/astars.html
MIM/Mic-E/Mic-Lite  http://www.toad.net/~wclement/bruninga/mic-lite.html


---
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Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org
```

111. [aprssig] Re: AIRMOBILE aprs

From: Bob Bruninga <bruninga@usna.edu>
Date: Sat, 5 Jan 2002 12:57:47 -0500 (EST)
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: TAPR APRS Special Interest Group <aprssig@lists.tapr.org>
Message-ID: <LYR842-55429-2002.01.05-12.27.22--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

```
Great!
But since this is an international list, it is usually a good idea to
give people a hint as to where on the planet this activity may be
occuring...

 On Sat, 5 Jan 2002, Joe Della Barba wrote:

> If all goes well and the wx holds out I will be airmobile Sunday morning as
> N3HGB-7. I will have an alias of AIR, so if any of you see me and want to
> try high altitude digipeating you can try APRS via AIR.
> 73
> Joe
> N3HGB (-1,-5,-7)
>
>
> ---
> You are currently subscribed to aprssig as: bruninga@usna.edu
> To unsubscribe send a blank email to leave-aprssig-842K@lists.tapr.org
> Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org
>

de WB4APR@amsat.org, Bob

PCsat WEB  page     http://www.ew.usna.edu/~bruninga/pcsat.html
ISS-APRS FAQ:       http://www.ew.usna.edu/~bruninga/iss-faq.html
CUBESAT Designs     http://www.ew.usna.edu/~bruninga/cubesat.html
APRS LIVE pages     http://www.ew.usna.edu/~bruninga/aprs.html
APRS SATELLITES     http://www.ew.usna.edu/~bruninga/astars.html
MIM/Mic-E/Mic-Lite  http://www.toad.net/~wclement/bruninga/mic-lite.html


---
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Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org
```

112. [aprssig] New PCsat operations suggestions

From: Bob Bruninga <bruninga@usna.edu>
Date: Sat, 5 Jan 2002 13:18:18 -0500 (EST)
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-55430-2002.01.05-12.47.46--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

```
This email contains three new concepts for PCsat:

1) Since PCSAT-1 still seems to reset back to W3ADO-1 even though we are
no longer in the worst eclipse cycle, and since we are coming in to full
sun, everyone is welcome to digipeat via W3ADO-1 for at least the next two
weeks to 21 Jan.  I will still continue to try to keep it set to PCSAT-1,
but will also  add W3ADO-1 to the UIDIGI list, so that users can use that
uplink as well.  Then We will re-asses where we are going after Jan 21.

2) Over the USA, the uplink to the 144.39 downlink is available for
special applications.  If anyone has any ideas or special events, let us
know.  (Id like to see someone uplink the position of the Olympic torch
```

on every pass for example).

3) We dont know how long PCsat is going to last, and are taking the approach of "use it now". We have made it to this first full sun period but it was sure iffy during December. We will go through another worst case eclipse period in February and April, but if we make it to June, then we get another 2 weeks of full sun and generally better charging overall due to the sun being in the northern hemisphere.

I konw it has been frustrating with the callsign changes, but the solution proposed in #1 above may help. I am at home and wont be able to update the WEB page until Sunday.

See you on the bird!

de WB4APR@amsat.org, Bob

```
PCsat WEB  page     http://www.ew.usna.edu/~bruninga/pcsat.html
ISS-APRS FAQ:       http://www.ew.usna.edu/~bruninga/iss-faq.html
CUBESAT Designs     http://www.ew.usna.edu/~bruninga/cubesat.html
APRS LIVE pages     http://www.ew.usna.edu/~bruninga/aprs.html
APRS SATELLITES     http://www.ew.usna.edu/~bruninga/astars.html
MIM/Mic-E/Mic-Lite  http://www.toad.net/~wclement/bruninga/mic-lite.html
```

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Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

---

113. [aprssig] Igates should connect to ???

From: "Rich Garcia" <k4gps@arrl.net>
Date: Sat, 5 Jan 2002 13:51:50 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-55434-2002.01.05-13.21.15--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

I finally got my Igate up and operational using WinAPRS. Still interested in doing the Linux version and tried to install DemoLinux this AM with no luck so that will need to wait.

There are so many servers out there now that I am at a loss. I have not followed the threads that closely recently so I have no idea which is the best one to connect to. Currently I am on the Full APRS Feed, should I do something differently ? I have also disabled the incoming feed since I run out of memory in a few moments of connecting and it allows me to have an idea of how the band is on 2M. If my memory fills up in a couple of minutes I can't really see a point in using it.

Thanks,

Rich K4GPS
k4gps@arrl.net
Click here to track me:
http://www.findu.com/cgi-bin/find.cgi?k4gps or
http://www.findu.com/cgi-bin/find.cgi?k4gps-15

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---

114. [aprssig] Who/What is APRS-1???

From: Jim Duncan <ku0g@kcaprs.org>
Date: Sat, 05 Jan 2002 13:19:02 -0600
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-55436-2002.01.05-13.48.21--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Who is this and WHY do packets from this station/IGate seem to end up getting through all of the local IGates????

I've noticed packet originating with this call in past week or so getting out on air in the Kansas City region.
--

73 de Jim, KU0G
Chairman/Coordinator
Kansas City APRS Working Group, W0APR
First Alert Storm Team KMBC-TV9
Mailto:ku0g@kcaprs.org
Webpage: http://www.kcaprs.org

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---

115. [aprssig] Re: map conversion

From: James Ewen <jewen@shaw.ca>
Date: Sat, 05 Jan 2002 13:24:30 -0700
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-55438-2002.01.05-14.54.56--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

> APRSdos has a utility for just that. It is called MAPFIX40.exe. It will
> draw vector APRSdos maps that WinAPRS and others can use. It also
> interfaces directly to a digitizer tablet for exact reproduction of paper
> maps. But it doesnt do anything with the BMP maps ou wanted this
> overlayed over...

The last line is the key Bob! I don't have a digitizer tablet, but using a mouse to draw the vector map over top of the scanned map would work just great.

GPS TrackMaker (http://www.gpstm.com/) does almost exactly what I want. Well, okay it fulfill ALL of the requirements I requested, but there are a few other things I would like to be able to do, but those ideas also need to be implemented into the APRS mapping specifications.

James
VE6SRV

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---

116. [aprssig] Re: FCC NPRM: GPS via FRS

From: WA8LMF2@aol.com
Date: Sat, 5 Jan 2002 16:07:21 EST
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-55441-2002.01.05-15.37.00--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

In a message dated 1/5/02 9:35:01 AM Pacific Standard Time, bruninga@usna.edu writes:

> Any applications on FRS would
> benefit from adhereing to this existing compatible protocol.

Why are they even bothering with this? What purpose would be served by transmitting GPS position reports on FRS?

Especially considering that the usable range on FRS is about half a mile since FRS wouldn't have the APRS digipeater infrastucture to extend the range. You would probably be able to see the other end of the link visually...

```
Stephen H. Smith                   wa8lmf @ aol.com
Home Page:
http://members.aol.com/wa8lmf
Ham Radio/Mobile SSTV page:     http://members.aol.com/wa8lmf/ham
APRS Stuff
http://members.aol.com/wa8lmf/aprs
------------------------------------------------------------------------------

----------
|    Radio Communications Systems       Personal Computers
|                Consulting and Systems Integration
|    GPS Custom Mapping    &     Radio Coverage Surveys
|    File Conversions       MS-Windows Setups       VISCII Fonts
```

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-------------------------------------------------------------------------------

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```

117. [aprssig] Re: question and answers [on PicoPacket and SSTV]

```
From: WA8LMF2@aol.com
Date: Sat, 5 Jan 2002 16:10:40 EST
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: darnellb10@home.com
Message-ID: <LYR842-55442-2002.01.05-15.40.20--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain
```

```
My mistake!  I was thinking PocketPacket which was packaged in what looked
like a gender changer with a DB-25 on the end...

In a message dated 1/5/02 7:14:55 AM Pacific Standard Time,
darnellb10@home.com writes:

> >
>  > The PicoPacket comes with a female DB-25 to mate with the standard 25-pin
>  > male PC serial-port connector common on older PCs.
>
>  It does ??? Mine came with two "RJ" style jacks on the front. Maybe I got
an
>  older (or newer) model ?
>
>  Brad - WA9BD

---
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Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org
```

118. [aprssig] Re: question and answers [on PicoPacket and SSTV]

```
From: "Jimmy Burkhalter" <kb5wio@tcac.net>
Date: Sat, 5 Jan 2002 15:15:13 -0600
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: <cameron_summerhawk@hotmail.com>
Message-ID: <LYR842-55443-2002.01.05-15.44.35--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain
```

```
I think he has it confused with the KPC3+

-----Original Message-----
From: bounce-aprssig-20097@lists.tapr.org
[mailto:bounce-aprssig-20097@lists.tapr.org]On Behalf Of Brad Darnell
Sent: Saturday, January 05, 2002 9:11 AM
To: TAPR APRS Special Interest Group
Cc: cameron_summerhawk@hotmail.com
Subject: [aprssig] Re: question and answers [on PicoPacket and SSTV]



>
> The PicoPacket comes with a female DB-25 to mate with the standard 25-pin
> male PC serial-port connector common on older PCs.

It does ??? Mine came with two "RJ" style jacks on the front. Maybe I got an
older (or newer) model ?

Brad - WA9BD


---
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Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org
```

119. [aprssig] Re: FCC NPRM: GPS via FRS

```
From: "Ronald Reams" <wa4mjf@worldnet.att.net>
Date: Sat, 5 Jan 2002 16:14:40 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
```

Message-ID: <LYR842-55444-2002.01.05-15.44.38--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

```
Probably so that the FRS Radio makers
can promote the feature and get a few
more bucks.

73 de Ronnie


----- Original Message -----
From: <WA8LMF2@aol.com>
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Sent: Saturday, January 05, 2002 16:07
Subject: [aprssig] Re: FCC NPRM: GPS via FRS


In a message dated 1/5/02 9:35:01 AM Pacific Standard Time,
bruninga@usna.edu
writes:

> Any applications on FRS would
>  benefit from adhereing to this existing compatible protocol.

Why are they even bothering with this?  What purpose would be served by
transmitting GPS position reports on FRS?

Especially considering that the usable range on FRS is about half a mile
since FRS wouldn't have the APRS digipeater infrastucture to extend the
range.  You would probably be able to see the other end of the link
visually...


Stephen H. Smith                   wa8lmf @ aol.com
Home Page:
http://members.aol.com/wa8lmf
Ham Radio/Mobile SSTV page:     http://members.aol.com/wa8lmf/ham
APRS Stuff
http://members.aol.com/wa8lmf/aprs
----------------------------------------------------------------------------
--

----------
|    Radio Communications Systems       Personal Computers
|                 Consulting and Systems Integration
|    GPS Custom Mapping    &     Radio Coverage Surveys
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```

120. [aprssig] Update Pocket APRS maps

From: Henk de Groot <henk.de.groot@hetnet.nl>
Date: Sat, 05 Jan 2002 22:40:47 +0100
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-55446-2002.01.05-16.10.32--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

```
Hello All,

For your information.

I updated my homepage with a new PocketAPRS map for The Alps, covering Switzerland and Austria, also
usable with APRS/CE and Xastir. Nice to take with you when you go on wintersport this winter.

Like other European maps this map is also based on a WinAPRS DCW map as this is the only vector-map
source I have and which is usable.

You can find the new map, with other maps, on:
http://www.homepages.hetnet.nl/~pe1dnn/
(You may have to reload the map if you have a cached copy).
```

Best wishes for 2002! Kind regards,

Henk.

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---

121. [aprssig] Re: FCC NPRM: GPS via FRS

From: Mark Fellhauer <sparkfel@qwest.net>
Date: Sat, 05 Jan 2002 15:18:44 -0600
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-55447-2002.01.05-16.12.17--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

At 03:07 PM 1/5/02, WA8LMF2@aol.com wrote:

>Especially considering that the usable range on FRS is about half a mile
>since FRS wouldn't have the APRS digipeater infrastucture to extend the
>range. You would probably be able to see the other end of the link
>visually...
>

I've made that argument here before, when it was brought up after Garmin's
proposal... ;)

73,

Mark
KC7BXS

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Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

---

122. [aprssig] ZDnet story on wireless LAN software with APRS-like features...

From: Mark Fellhauer <sparkfel@qwest.net>
Date: Sat, 05 Jan 2002 15:55:39 -0600
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-55448-2002.01.05-16.50.21--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

At 03:22 PM 1/3/02, WA8LMF2@aol.com wrote:

>Network Stumbler's results were revealing. I found 79 wireless devices: 76
>were access points, and 3 were clients. Of these, only 19 access points had
>WEP security enabled. That means that, should I have had the time and
>interest, I could easily have piggybacked onto the others' network
>connections to get Internet access--in effect, stealing bandwidth. [Free
>Igates everywhere ! -- WA8LMF] If their internal networks were poorly
>secured, I could have read and possibly even uploaded files onto their
>internal clients and servers.

Netstumbler is an intersting tool. A new version is in the works and one
is also on the way for Embedded Windows (aka WinCe, aka Pocket Windows).

http://home.pacbell.net/mariusm/

Even in a fairly small community like Sioux Falls, I have found dozens of
access points.   The Sioux Valley Hospital and Southeast Technical
Institute are but two organizations that have 802.11b networks
implemented. The local airport also has a pay-per access 802.11b
network.   In October I attended the Hamfest in St. Paul and sat in on
the 802.11b conference.   It seems that some corporations are leaving
Internet access open for "public" use and going to some sort of VPN for
secure network operations.

My suggestion is that we start an ESSID naming convention so that people
can figure out whether an Access Point is open to the general public or
not.   Something as simple as making the ESSID of your AP the word "Public"
might suffice.

My experiments with 802.11b continue. And although the Linksys WAP11 has a
few quirks, it sure has a lot of features that will make most "hackers"
happy.   Recently someone figured out the Atmel configuration utility will

allow one to crank-up or dial-down the RF power output of this and similar
AP's.   It can also be done with simple SNMP commands.

http://www.seattlewireless.net/index.cgi/Wap11Hack

http://www.wi2600.org/mediawhore/nf0/wireless/docs/802.11/WAP11/fun_with_the_wap11.txt

http://pasadena.net/aprf/

I have tested the above and it works.

73,

Mark
KC7BXS

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Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

---

123. [aprssig] Re: Other Uses for OnStar...

From: K3for@aol.com
Date: Sat, 05 Jan 2002 17:31:37 EST
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-55449-2002.01.05-17.01.04--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

>>Besides, this is all an academic exercise... it's not going to happen. Someone posed a question, and we're playing the "What if" game.

I'm not sure what this comment means - "it's not going to happen."

e911 is happening, all over. My company has the carriers of over 9 million cell phone users sending e911 positions to the associated 911 dispatch centers.

True, most of these dispatch centers only get the lat/long in plain text, because they don't have a GIS mapping system.

And true, even if the 911 dispatch has GIS mapping, our fire departments and police departments don't. Believe it or not, they pretty much still arrive on-scene by driver corporate knowledge.

And true, even if the fire department had a GIS mapping system, the fire trucks and police cruisers don't have GIS mapping systems.

Are we ever going to get there? Yes. Is it expensive? Yes. Is it beneficial? Yes.

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---

124. [aprssig] RE: 911 operators

From: "Bob D." <n2iph@eticomm.net>
Date: Sat, 5 Jan 2002 17:30:33 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-55451-2002.01.05-17.03.38--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Maybe this is an area where we can be of help. RACES/ARES members (or anyone else) could give a short talk at a County OEM meeting or write a short paper which would help them decipher the location. Maybe even give them a couple good web sites they plug the Lat/Lon into and view a map.

Bob D.
N2IPH

>I would say in most parts of the country, 911 operators do not
>know where to send support based on lat/lon.
>We've had this discussion before and it
>was one of the reasons for the whole mile marker deal...

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125. [aprssig] Re: AIRMOBILE aprs

From: "Joe Della Barba" <joe@dellabarba.com>
Date: Sat, 5 Jan 2002 18:11:21 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-55459-2002.01.05-17.43.55--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

My mistake!
Anyway, there is a position right now in FINDU for N3HGB-7 from a couple
test transmissions if anyone wants to look it up.
This is just for fun now, but sometime I would like to experiment with what
a 5 or 10 thousand foot DIGI could do. Might be great for a SAR operation in
difficult terrain.
73
Joe N3HGB
Maryland, USA
----- Original Message -----
From: "Bob Bruninga" <bruninga@usna.edu>
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Sent: Saturday, January 05, 2002 12:57 PM
Subject: [aprssig] Re: AIRMOBILE aprs

> Great!
> But since this is an international list, it is usually a good idea to
> give people a hint as to where on the planet this activity may be
> occuring...
>
> On Sat, 5 Jan 2002, Joe Della Barba wrote:
>
> > If all goes well and the wx holds out I will be airmobile Sunday morning
as
> > N3HGB-7. I will have an alias of AIR, so if any of you see me and want
to
> > try high altitude digipeating you can try APRS via AIR.
> > 73
> > Joe
> > N3HGB (-1,-5,-7)
> >
> >
> > ---
> > You are currently subscribed to aprssig as: bruninga@usna.edu
> > To unsubscribe send a blank email to leave-aprssig-842K@lists.tapr.org
> > Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org
> >
>
> de WB4APR@amsat.org, Bob
>
> PCsat WEB page   http://www.ew.usna.edu/~bruninga/pcsat.html
> ISS-APRS FAQ: http://www.ew.usna.edu/~bruninga/iss-faq.html
> CUBESAT Designs   http://www.ew.usna.edu/~bruninga/cubesat.html
> APRS LIVE pages   http://www.ew.usna.edu/~bruninga/aprs.html
> APRS SATELLITES   http://www.ew.usna.edu/~bruninga/astars.html
> MIM/Mic-E/Mic-Lite http://www.toad.net/~wclement/bruninga/mic-lite.html
>
>
> ---
> You are currently subscribed to aprssig as: joe@dellabarba.com
> To unsubscribe send a blank email to leave-aprssig-842K@lists.tapr.org
> Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org
>
>

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---

126. [aprssig] AHub Level 2 Servers

From: "Dick Stanich" <dick@kb7zva.com>
Date: Sat, 5 Jan 2002 20:26:3
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-55479-2002.01.05-20.55.30--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

For information and details about the AHub Level 2 Servers, copy and paste
this url in your address or location bar (to avoid frames):

http://www.kb7zva.com/AHubServers

Dick Stanich, KB7ZVA

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To unsubscribe send a blank email to leave-aprssig-842K@lists.tapr.org
Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

---

127. [aprssig] Re: PK-12 + PK-232 questions

From: David L Norris <kg9ae@webaugur.com>
Date: 05 Jan 2002 21:28:24 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: "TAPR APRS Special Interest Group <aprssig@lists.tapr.org>"
<LYR26593-55376-2002.01.05-09.19.51--kg9ae#webaugur.com@lists.tapr.org>
Message-ID: <LYR842-55480-2002.01.05-20.58.10--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

On Sat, 2002-01-05 at 09:48, Joe Della Barba wrote:
> My PK-12 will "unprogram" itself every so often and lock up with all the
> LEDs lit. It can only be fixed by sending ***** with a PC to initiate the
> autobaud routine and reconfiguring it. This is very annoying if a PC isn't
> nearby. I have suspected that glitches in the power are doing this. Does
> anyone think putting a large capacitor across the DC input would help with
> this?

Reminds me of my PK-232. Walking briskly across the room then touching
something (anything in the room) metal locks up my PK-232. Nearby
lightning locks it up. (Wonderful for WX reporting...) Power glitches
lock it up. Weak memory batteries really lock it up. Sometimes it
forgets the baud rate. Other times it will just drop out of converse
mode for no obvious reason. I actually made a list at one point...

I ran it from battery. I ran it from wall transformer. I ran from wall
transformer on an invertor on a battery. I insulated the
antenna/feedline/radio/tnc from ground. I grounded the
antenna/feedline/radio/tnc. Nothing I tried made any difference.

My solution: I bought a MFJ-1270C and use that for continuous
operation. It's been running flawlessly 24/7 for about 8 months.

--
David Norris, ARS: KG9AE
KG9AE's Web - http://www.webaugur.com/dave/kg9ae/
Dave's Web - http://www.webaugur.com/dave/
ICQ Universal Internet Number - 412039
E-Mail - kg9ae@webaugur.com

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Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

---

128. [aprssig] Re: PK-12 + PK-232 questions

From: "John Becker" <molou@big-river.net>
Date: Sat, 5 Jan 2002 20:37:10 -0600
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-55482-2002.01.05-21.07.06--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

I have had a PK232 since april of 1988 and have never had any of these problem
In fact is has been trouble free since the day I got it.

John, W0JAB

----- Original Message -----
From: "David L Norris" <kg9ae@webaugur.com>
>
> Reminds me of my PK-232. Walking briskly across the room then touching
> something (anything in the room) metal locks up my PK-232. Nearby
> lightning locks it up. (Wonderful for WX reporting...) Power glitches
> lock it up. Weak memory batteries really lock it up. Sometimes it
> forgets the baud rate. Other times it will just drop out of converse
> mode for no obvious reason. I actually made a list at one point...
>
> I ran it from battery. I ran it from wall transformer. I ran from wall
> transformer on an invertor on a battery. I insulated the
> antenna/feedline/radio/tnc from ground. I grounded the
> antenna/feedline/radio/tnc. Nothing I tried made any difference.
>
> My solution: I bought a MFJ-1270C and use that for continuous
> operation. It's been running flawlessly 24/7 for about 8 months.
>
> --
> David Norris, ARS: KG9AE

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Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

---

129. [aprssig] Re: FCC NPRM: GPS via FRS

From: Bob Bruninga <bruninga@usna.edu>
Date: Sat, 5 Jan 2002 21:47:31 -0500 (EST)
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: TAPR APRS Special Interest Group <aprssig@lists.tapr.org>
Message-ID: <LYR842-55484-2002.01.05-21.16.57--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

On Sat, 5 Jan 2002 WA8LMF2@aol.com wrote about encouraging AX.25 as the
standard for GPS on FRS..

> Why are they even bothering with this? What purpose would be served by
> transmitting GPS position reports on FRS?

I donno, I guess because "its there"..
People said that about APRS 8 years ago too.

I just see no reason for Garmin to go out an invent a non compatible way
to do what we have been doing in HAM radio for 8 years.

> Especially considering that the usable range on FRS is about half a mile
> since FRS wouldn't have the APRS digipeater infrastucture to extend the
> range. You would probably be able to see the other end of the link
> visually...

I have done 12 miles standing on my roof and others have done 80 miles on
a mountian calling in emergency help for someone with a broken leg...

de WB4APR@amsat.org, Bob

PCsat WEB page	http://www.ew.usna.edu/~bruninga/pcsat.html
ISS-APRS FAQ:	http://www.ew.usna.edu/~bruninga/iss-faq.html
CUBESAT Designs	http://www.ew.usna.edu/~bruninga/cubesat.html
APRS LIVE pages	http://www.ew.usna.edu/~bruninga/aprs.html
APRS SATELLITES	http://www.ew.usna.edu/~bruninga/astars.html
MIM/Mic-E/Mic-Lite	http://www.toad.net/~wclement/bruninga/mic-lite.html

---
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Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

---

130. [aprssig] Re: Other Uses for OnStar...

From: Claude Head <k5dtn@swbell.net>
Date: Sat, 05 Jan 2002 21:01:38 -0600
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: TAPR APRS Special Interest Group <aprssig@lists.tapr.org>
Message-ID: <LYR842-55487-2002.01.05-21.31.05--lyris.aprssig#tapr.org@lists.tapr.org>

Rendered body type: text/plain

```
I was the liaison operator between the Dallas Police and theWhite Rock
Marathon race held on December 9, 2001 in Dallas, TX. The police car
was equipped with a permanently mounted computer running Windows
2000 as the operating system. It had an application functionally very similar
to the DeLorme Street Atlas program series, although the graphics were
not quite as good. However, it did do real time tracking of the police car
position, and had both pan and zoom controls on the display. The zoom
could get close enough to see the names of individual streets. I had not
seen or heard of any such update to the DPD, but maybe the media did
not consider such an capability to be newsworthy! :-) Since so much
other stuff was going on all the time, I did not get a chance to discuss
the system in any real detail with the police officer driver, but the
GPS/GIS capability is very much there and in daily use by the Dallas
Police Department. Maybe this capability is considerably wider spread
than we are hearing about!

I was very pleased to see this capability in use by the police!

73, Claude
      K5DTN

K3for@aol.com wrote:

> >>Besides, this is all an academic exercise... it's not going to happen. Someone posed a question, and
 we're playing the "What if" game.
>
> I'm not sure what this comment means - "it's not going to happen."
>
> e911 is happening, all over.  My company has the carriers of over 9 million cell phone users sending
e911 positions to the associated 911 dispatch centers.
>
> True, most of these dispatch centers only get the lat/long in plain text, because they don't have a
GIS mapping system.
>
> And true, even if the 911 dispatch has GIS mapping, our fire departments and police departments don't.
  Believe it or not, they pretty much still arrive on-scene by driver corporate knowledge.
>
> And true, even if the fire department had a GIS mapping system, the fire trucks and police cruisers
don't have GIS mapping systems.
>
> Are we ever going to get there? Yes.  Is it expensive? Yes.  Is it beneficial?  Yes.
>
> ---
> You are currently subscribed to aprssig as: k5dtn@swbell.net
> To unsubscribe send a blank email to leave-aprssig-842K@lists.tapr.org
> Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org



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Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org
```

---

131. [aprssig] Re: PK-12 + PK-232 questions

From: Dale Blanchard <wa7ixk@earthlink.net>
Date: Sat, 05 Jan 2002 19:02:53 -0800
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: TAPR APRS Special Interest Group <aprssig@lists.tapr.org>,
        "TAPR APRS Special Interest Group <aprssig@lists.tapr.org>"
 <LYR26593-55376-2002.01.05-09.19.51--kg9ae#webaugur.com@lists.tapr.org>
Message-ID: <LYR842-55488-2002.01.05-21.32.43--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

```
so does my pico packet. Have not got any use from it since I bought it. Factory
say it is OK I say it is defective.

David L Norris wrote:

> On Sat, 2002-01-05 at 09:48, Joe Della Barba wrote:
> > My PK-12 will "unprogram" itself every so often and lock up with all the
> > LEDs lit. It can only be fixed by sending ***** with a PC to initiate the
> > autobaud routine and reconfiguring it. This is very annoying if a PC isn't
> > nearby. I have suspected that glitches in the power are doing this. Does
> > anyone think putting a large capacitor across the DC input would help with
> > this?
>
> Reminds me of my PK-232.  Walking briskly across the room then touching
```

> something (anything in the room) metal locks up my PK-232. Nearby
> lightning locks it up. (Wonderful for WX reporting...) Power glitches
> lock it up. Weak memory batteries really lock it up. Sometimes it
> forgets the baud rate. Other times it will just drop out of converse
> mode for no obvious reason. I actually made a list at one point...
>
> I ran it from battery. I ran it from wall transformer. I ran from wall
> transformer on an invertor on a battery. I insulated the
> antenna/feedline/radio/tnc from ground. I grounded the
> antenna/feedline/radio/tnc. Nothing I tried made any difference.
>
> My solution: I bought a MFJ-1270C and use that for continuous
> operation. It's been running flawlessly 24/7 for about 8 months.
>
> --
> David Norris, ARS: KG9AE
>   KG9AE's Web - http://www.webaugur.com/dave/kg9ae/
>   Dave's Web - http://www.webaugur.com/dave/
>   ICQ Universal Internet Number - 412039
>   E-Mail - kg9ae@webaugur.com
>
> ---
> You are currently subscribed to aprssig as: WA7ixk@earthlink.net
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> Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

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---

132. [aprssig] Re: question and answers [on PicoPacket and SSTV]

From: Dale Blanchard <wa7ixk@earthlink.net>
Date: Sat, 05 Jan 2002 19:08:43 -0800
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: TAPR APRS Special Interest Group <aprssig@lists.tapr.org>,
cameron_summerhawk@hotmail.com
Message-ID: <LYR842-55489-2002.01.05-21.39.33--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

my pico has the rj things my kpc+3 has the umpteen pin rs 232.(why can they not
go tto the 9pin) I have not ever been able to use the pico because it looses
part of its memory every other time I turn it on. Before I could figure out how
to use it and it was broke the warrantee was up. $200.00 mistake.

Jimmy Burkhalter wrote:

> I think he has it confused with the KPC3+
>
> -----Original Message-----
> From: bounce-aprssig-20097@lists.tapr.org
> [mailto:bounce-aprssig-20097@lists.tapr.org]On Behalf Of Brad Darnell
> Sent: Saturday, January 05, 2002 9:11 AM
> To: TAPR APRS Special Interest Group
> Cc: cameron_summerhawk@hotmail.com
> Subject: [aprssig] Re: question and answers [on PicoPacket and SSTV]
>
> >
> > The PicoPacket comes with a female DB-25 to mate with the standard 25-pin
> > male PC serial-port connector common on older PCs.
>
> It does ??? Mine came with two "RJ" style jacks on the front. Maybe I got an
> older (or newer) model ?
>
> Brad - WA9BD
>
> ---
> You are currently subscribed to aprssig as: WA7ixk@earthlink.net
> To unsubscribe send a blank email to leave-aprssig-842K@lists.tapr.org
> Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

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Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

133. [aprssig] Re: Other Uses for OnStar...

From: Gerry Creager N5JXS <gerry@cs.tamu.edu>
Date: Sat, 05 Jan 2002 21:57:05 -0600
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: TAPR APRS Special Interest Group <aprssig@lists.tapr.org>
Message-ID: <LYR842-55497-2002.01.05-22.25.30--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Let me echo the sentiment. Texas E911 mapping is virtually complete, and most municipalities have working GIS implementations *now*. Some have real-time tracking of emergency and public service vehicles, most do not (currently) but the Texas Transportation Insitute looked at APRS as an inspiration to start playing with ideas.

In a number of cities, even if police and fire do not (yet) have GIS pop-ups (and they're being deployed) the local Councils of Government are using GPS and GIS to improve and make really accurate the paper maps the public safety folks use daily.

It's not an academic exercise (he says, from his ivory tower...). It's real. And FWIW, OnStar, while cute, is a consumer tool for some minor applications. APRS and its cogeners are considerably more "real" for this app than OnStar.

gerry
--
K3for@aol.com wrote:
>
> >>Besides, this is all an academic exercise... it's not going to happen. Someone posed a question, and we're playing the "What if" game.
>
> I'm not sure what this comment means - "it's not going to happen."
>
> e911 is happening, all over. My company has the carriers of over 9 million cell phone users sending e911 positions to the associated 911 dispatch centers.
>
> True, most of these dispatch centers only get the lat/long in plain text, because they don't have a GIS mapping system.
>
> And true, even if the 911 dispatch has GIS mapping, our fire departments and police departments don't. Believe it or not, they pretty much still arrive on-scene by driver corporate knowledge.
>
> And true, even if the fire department had a GIS mapping system, the fire trucks and police cruisers don't have GIS mapping systems.
>
> Are we ever going to get there? Yes. Is it expensive? Yes. Is it beneficial? Yes.
>
> ---
> You are currently subscribed to aprssig as: gerry@cs.tamu.edu
> To unsubscribe send a blank email to leave-aprssig-842K@lists.tapr.org
> Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

--
Gerry Creager -- gerry@cs.tamu.edu
Network Engineering
Academy for Advanced Telecommunications and Learning Technologies
Texas A&M University 979.458.4020 (Phone) -- 979.847.8578 (Fax)

---
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---

134. [aprssig] Re: Re: FCC NPRM: GPS via FRS

From: dougy@ruraltel.net (Doug Younker)
Date: Sat, 5 Jan 2002 15:46:01 -0600
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-55498-2002.01.05-23.05.09--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

----- Original Message -----
From: "Ronald Reams" <wa4mjf@worldnet.att.net>
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Sent: Saturday, January 05, 2002 3:14 PM
Subject: [aprssig] Re: FCC NPRM: GPS via FRS

: Probably so that the FRS Radio makers
: can promote the feature and get a few

: more bucks.
:
: 73 de Ronnie

Pretty much my sentiment. There have been some clever ways to get around
the rules that restrict the range of FRS. Like the mobile unit has the
radio built into a mag mount antenna. Part 97 pretty much prohibits
amateurs making use of any data from frs. Too bad the amateur market isn't
sufficient to entice Garmin and others manufacture such goodies for
us.--Doug, N0LKK 73

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To unsubscribe send a blank email to leave-aprssig-842K@lists.tapr.org
Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

135. [aprssig] Re: question and answers [on PicoPacket and SSTV]

From: Steve Slay <snslay@swbell.net>
Date: Sun, 06 Jan 2002 00:06:36 -0600
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: TAPR APRS Special Interest Group <aprssig@lists.tapr.org>,
    cameron_summerhawk@hotmail.com
Message-ID: <LYR842-55529-2002.01.06-00.37.33--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Have you replaced the battery inside?
Steve Slay
KC5MVY
Where am I now? http://www.findu.com/cgi-bin/find.cgi?call=KC5MVY
Where have I been lately? http://www.findu.com/cgi-bin/track.cgi?call=KC5MVY
With weather RADAR http://www.findu.com/cgi-bin/find.cgi?call=KC5MVY&radar=LBB

----- Original Message -----
From: "Dale Blanchard" <wa7ixk@earthlink.net>
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>;
<cameron_summerhawk@hotmail.com>
Sent: Saturday, January 05, 2002 9:08 PM
Subject: [aprssig] Re: question and answers [on PicoPacket and SSTV]

> my pico has the rj things my kpc+3 has the umpteen pin rs 232.(why can they not
> go tto the 9pin) I have not ever been able to use the pico because it looses
> part of its memory every other time I turn it on. Before I could figure out how
> to use it and it was broke the warrantee was up. $200.00 mistake.
>
> Jimmy Burkhalter wrote:
>
> > I think he has it confused with the KPC3+
> >
> > -----Original Message-----
> > From: bounce-aprssig-20097@lists.tapr.org
> > [mailto:bounce-aprssig-20097@lists.tapr.org]On Behalf Of Brad Darnell
> > Sent: Saturday, January 05, 2002 9:11 AM
> > To: TAPR APRS Special Interest Group
> > Cc: cameron_summerhawk@hotmail.com
> > Subject: [aprssig] Re: question and answers [on PicoPacket and SSTV]
> >
> > >
> > > The PicoPacket comes with a female DB-25 to mate with the standard 25-pin
> > > male PC serial-port connector common on older PCs.
> >
> > It does ??? Mine came with two "RJ" style jacks on the front. Maybe I got an
> > older (or newer) model ?
> >
> > Brad - WA9BD
> >
> > ---
> > You are currently subscribed to aprssig as: WA7ixk@earthlink.net
> > To unsubscribe send a blank email to leave-aprssig-842K@lists.tapr.org
> > Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org
>
>
> ---
> You are currently subscribed to aprssig as: snslay@swbell.net
> To unsubscribe send a blank email to leave-aprssig-842K@lists.tapr.org
> Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

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>


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Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org
```

136. [aprssig] Australia corrections for UBD Maps

```
From: "Andrew Rich" <andrew.rich@bigpond.com>
Date: Sun, 6 Jan 2002 22:24:24 +1000
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: "Peter Davies" <petenheather@uq.net.au>
Message-ID: <LYR842-55542-2002.01.06-06.53.15--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain
```

```
I have driven around my area in circles to come up with the following
corrections at street level for UBD maps for Brisbane Australia.

http://www.users.bigpond.com/andrew.rich/ubd.htm

Andy VK4TEC

Any body else silly enough as me ?

Long live APRS


---
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Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org
```

137. [aprssig] Re: GPS III+ Problems

```
From: W0acq@aol.com
Date: Sun, 6 Jan 2002 08:00:40 EST
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-55549-2002.01.06-07.30.14--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain
```

```
Me too.  This has been an irritating and repetitive problem for me.  Loss of
GPS signal for no apparent reason -- then, a long time (sometimes as long as
an hour) to reacquire a constellation adequate for navigation.

On these occasions, I've checked the USCG site - to determine there were no
system problems.  I have verified with other users they experienced no
difficulties during the same timeframe.  Garmin denies there are any issues
with the III+.

I am skeptical.

In a message dated 01/05/2002 12:35:11 AM Eastern Standard Time,
sarrov@telusplanet.net writes:


> It's rather funny that you mention this.....I was noticing the same
> thing recently with my Garmin III+....
>
> And, a friend of mine who has a Garmin III (no plus) was having the same
> problem.
>
> Maybe its the GPS system in general?
>
> Anyone else noticing this stuff?
>
>
```

138. [aprssig] Re: FCC NPRM: GPS via FRS

```
From: Bob Bruninga <bruninga@usna.edu>
Date: Sun, 6 Jan 2002 09:45:23 -0500 (EST)
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: TAPR APRS Special Interest Group <aprssig@lists.tapr.org>
Message-ID: <LYR842-55567-2002.01.06-09.14.54--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain
```

```
On Sat, 5 Jan 2002, Doug Younker wrote:

> Pretty much my sentiment.  There have been some clever ways to get around
> the rules that restrict the range of FRS.  Like the mobile unit has the
```

> radio built into a mag mount antenna. Part 97 pretty much prohibits
> amateurs making use of any data from frs.

I donno. Nothing prohibits us from listening and receiving any data we hear on FRS. And lots of amateurs now consider FRS an important and almost critical element of any emergency communications preparedness.

Bob

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---

139. [aprssig] Bob's I Band idea

From: "Mark Phillips" <g7ltt@g7ltt.com>
Date: Sun, 6 Jan 2002 09:59:34 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-55568-2002.01.06-09.29.11--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

I've not much to add to this other than maybe a name for the "frequency" used. How about NetaHertz? The abbreviation would then be NHz (which probably means Nano but I dunno).

My appologies if this has already been done.

Mark Phillips G7LTT/KC2ENI
New York, NY 11103

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---

140. [aprssig] PCsat operations plan

From: Bob Bruninga <bruninga@usna.edu>
Date: Sun, 6 Jan 2002 10:06:15 -0500 (EST)
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-55569-2002.01.06-09.35.44--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

>From now until Jan 21st, (and later if we can keep the batteries up) PCsat will digipeat via the following UI digi callsigns to make station configuration switching easier between ground APRS use, ISS and PCsat:

RELAY / WIDE / NOCALL / APRSAT / W3ADO-1

- RELAY / WIDE are for compatibility with normal APRS mobile ground users
- NOCALL is for compatibility with the ISS.
- APRSAT is for compatibility with future satellites
- W3ADO-1 is so that it is still usable even if a RESET has occurred.

NOTE-1. Please do not use W3ADO-1 if the telemetry shows 11111111. This means no automatic or unattended use of this path nor manned use until a valid telemetry has been received. Use of the other calls at any time is OK, since they will default to OFF if a reset has occured.

NOTE-2. CONNECTIONS of any kind TO or THROUGH PCsat are not authorized.

NOTE-3. It would sure be nice if ISS used a MYALIAS of "APRSAT" to make mobile operation between PCsat and ISS transparent other than a simple QSY during the pass.

NOTE-4. The B side 144.39 downlink is available for special applications wherever such down link is authorized. Apply for access with details of your event or evolution.

Always keep abreast of PCsat operations via the PCsat web page..

de WB4APR@amsat.org, Bob

PCsat WEB page   http://www.ew.usna.edu/~bruninga/pcsat.html
ISS-APRS FAQ: http://www.ew.usna.edu/~bruninga/iss-faq.html

```
CUBESAT Designs     http://www.ew.usna.edu/~bruninga/cubesat.html
APRS LIVE pages     http://www.ew.usna.edu/~bruninga/aprs.html
APRS SATELLITES     http://www.ew.usna.edu/~bruninga/astars.html


---
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```

141. [aprssig] Re: question and answers [on PicoPacket and SSTV]

```
From: "Brad Darnell" <darnellb10@home.com>
Date: Sun, 6 Jan 2002 10:14:07 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>,
       <cameron_summerhawk@hotmail.com>
Message-ID: <LYR842-55574-2002.01.06-09.45.05--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain
```

```
That's weird. I've never had a single problem with mine. Works every time.
Sorry you got a bad one, sounds like.

Brad - WA9BD


----- Original Message -----
From: "Dale Blanchard" <wa7ixk@earthlink.net>
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>;
<cameron_summerhawk@hotmail.com>
Sent: Saturday, January 05, 2002 10:08 PM
Subject: [aprssig] Re: question and answers [on PicoPacket and SSTV]


> my pico has the rj things my kpc+3 has the umpteen pin rs 232.(why can
they not
> go tto the 9pin) I have not ever been able to use the pico because it
looses
> part of its memory every other time I turn it on. Before I could figure
out how
> to use it and it was broke the warrantee was up. $200.00 mistake.
>
> Jimmy Burkhalter wrote:
>
> > I think he has it confused with the KPC3+
> >
> > -----Original Message-----
> > From: bounce-aprssig-20097@lists.tapr.org
> > [mailto:bounce-aprssig-20097@lists.tapr.org]On Behalf Of Brad Darnell
> > Sent: Saturday, January 05, 2002 9:11 AM
> > To: TAPR APRS Special Interest Group
> > Cc: cameron_summerhawk@hotmail.com
> > Subject: [aprssig] Re: question and answers [on PicoPacket and SSTV]
> >
> > >
> > > The PicoPacket comes with a female DB-25 to mate with the standard
25-pin
> > > male PC serial-port connector common on older PCs.
> >
> > It does ??? Mine came with two "RJ" style jacks on the front. Maybe I
got an
> > older (or newer) model ?
> >
> > Brad - WA9BD
> >
> > ---
> > You are currently subscribed to aprssig as: WA7ixk@earthlink.net
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>
>
> ---
> You are currently subscribed to aprssig as: darnellb10@home.com
> To unsubscribe send a blank email to leave-aprssig-842K@lists.tapr.org
> Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org
>


---
```

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---

142. [aprssig] Re: GPS III+ Problems

From: "Brad Darnell" <darnellb10@home.com>
Date: Sun, 6 Jan 2002 10:24:05 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-55576-2002.01.06-09.55.02--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Mine (III+) takes a while to accquire the sats in the morning, but once it has a lock, it works flawlessly all day. I live in an area with a lot of trees overhead for the first few blocks on the way to work, so that explains the long accquisition time.

Other than that, my III+ works perfectly.

Brad - WA9BD

> ----- Original Message -----
> From: W0acq@aol.com
> To: TAPR APRS Special Interest Group
> Sent: Sunday, January 06, 2002 8:00 AM
> Subject: [aprssig] Re: GPS III+ Problems
>
> Me too. This has been an irritating and repetitive problem for me. Loss of GPS signal for no apparent reason -- then, a long time (sometimes as long as an hour) to reacquire a constellation adequate for navigation.
>
> On these occasions, I've checked the USCG site - to determine there were no system problems. I have verified with other users they experienced no difficulties during the same timeframe. Garmin denies there are any issues with the III+.
>
> I am skeptical.
>
> In a message dated 01/05/2002 12:35:11 AM Eastern Standard Time, sarrov@telusplanet.net writes:
>
>> It's rather funny that you mention this.....I was noticing the same thing recently with my Garmin III+....
>>
>> And, a friend of mine who has a Garmin III (no plus) was having the same problem.
>>
>> Maybe its the GPS system in general?
>>
>> Anyone else noticing this stuff?

---

143. [aprssig] More on the ICW-Band idea

From: Bob Bruninga <bruninga@usna.edu>
Date: Sun, 6 Jan 2002 10:57:29 -0500 (EST)
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: TAPR APRS Special Interest Group <aprssig@lists.tapr.org>,
<amsat-bb@amsat.org>
Message-ID: <LYR842-55579-2002.01.06-10.27.02--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

On Sun, 6 Jan 2002, Mark Phillips wrote about the I-Band concept:

> I've not much to add to this other than maybe a name for the "frequency"
> used. How about NetaHertz? The abbreviation would then be NHz...

I like this kind of thinking! I've started using "ICW" as the name too...
(or is this name already used for something else?)

Bill DIaz is already working on the ICW-HUB for the ICW-BAND. Two others have offered to contribute, but neither feels comfortable doing the full DSP sound-card part... so we still need a coding ace... For what it's worth, some others have commented that promoting CW is retrograde.

But remember, I am only interested in the very special case of kids up to the age of about 12 who are unique in their unbiased sometimes fascination with the "secret" code of CW... and just looking for a way to use the internet for code practice between them...

de WB4APR@amsat.org, Bob

See the I-Band: http://www.ew.usna.edu/~bruninga/i-band.html

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---

144. [aprssig] Re: More on the ICW-Band idea

From: Alex <kr1st@amsat.org>
Date: Sun, 06 Jan 2002 12:17:31 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-55589-2002.01.06-11.48.43--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Bob Bruninga wrote:

> But remember, I am only interested in the very special case of kids up to
> the age of about 12 who are unique in their unbiased sometimes fascination
> with the "secret" code of CW... and just looking for a way to use the
> internet for code practice between them...

And for kids somewhat closer to each other they can use the Cybikos to send CW to each other, using real airwaves. You can download the CW practice program from the Cybiko web site. I've never tried it myself though.

73s,
--Alex

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---

145. [aprssig] Re: GPS III+ Problems

From: Roger Grady <k9opo@comteck.com>
Date: Sun, 06 Jan 2002 12:25:03 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-55591-2002.01.06-11.53.47--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

At 08:00 AM 1/6/02 EST, W0acq@aol.com wrote:
> Loss of GPS signal for no apparent reason -- then, a long time (sometimes
>as long as an hour) to reacquire a constellation adequate for navigation.
>
> Garmin denies there are any issues with the III+.
>
>I am skeptical.

I had this happen on a couple occasions with my II+ - I was almost ready to send it back to Garmin as it was under warranty at the time. Then I figured out what was going on. The broadcast radio in my van was tuned to 87.7 (TV channel 6 audio) and the local oscillator at that frequency is a subharmonic of the GPS frequencies. LO radiation is bad enough that the GPS can be 3 feet or more from the bc radio and it still clobbers the GPS. It doesn't kill the GPS instantly - takes 30 sec or so. First the reported signal strengths change - some SV's go up, some go down. Then a message pops up. I can't remember exactly what it says - probably something about power-down and re-init, because that's what you have to do to clear the problem. Just changing frequency or turning off the BC radio doesn't fix it.

When I first got the II+ I had a '92 Chevy Astro van with a factory radio/cassette. I now have a '98 Astro, same basic radio, same problem.

Roger Grady K9OPO

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146. [aprssig] Sometimes There's a Timestamp....

From: "Ken Patterson" <kenp@etex.net>
Date: Sun, 6 Jan 2002 12:11:14 -0600
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-55595-2002.01.06-12.40.41--lyris.aprssig#tapr.org@lists.tapr.org>

Rendered body type: text/plain

```
Good day all.

Why does some of my position reports listed at findu.com show what looks
like a  timestamp (@xxxxxxz) & some do not?

http://www.findu.com/cgi-bin/rawposit.cgi?call=n5eqt-7&start=500&length=500

If it is because I-gates add the timestamp, would someone here post which
versions of I-gate software do & do not add the timestamps. I am interested
in placing an I-gate online somewhere near my APRS forsaken QTH & this is a
feature I would like to include.

Regards,
Ken
N5EQT
EM22 - Texas


---
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147. [aprssig] Re: FCC NPRM: GPS via FRS

From: Jeff King <jeff@aerodata.net>
Date: Sun, 06 Jan 2002 14:23:02 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-55598-2002.01.06-13.52.20--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

```
Bob Bruninga wrote:

> Everyone on APRS should file FCC comments suggesting that there are 20,000
> HAMs that have been doing this since 1992 using the internationally
> recognized AX.25 packet radio protocol.


I think we would just end up embarrassing amateur radio if we were to do this
and have less of a chance of accomplishing our goals.

I meet Brad Wiseman, director of R&D of Garmin at the DCC in Baltimore MD. I've
also worked with Garmin quite a bit and like the company. Garmin is the driving
force behind this NPRM. There is no way we can force them to use any specific
protocol and petitioning the FCC would be the LAST way one would want to do it. The
best way is to just ask them. Garmin would be a great company to have in our camp.

Honestly, I doubt if they would considering using our APRS atop UI ax.25 frames scheme
for FRS. It is just to inefficient and whine as we might to the FCC, I really don't think they
could force Garmin to do this. But what is the goal anyways? To be able to port these position
reports to APRSSERVE? In my experience with Garmin, they are very open with their protocols
so making a translation "box" shouldn't be an issue... plus they want to build these things
anyway so my guess is the whole HT should be fairly cheap, much cheaper then what we
have.

-Jeff



---
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148. [aprssig] Re: GPS III+ Problems

From: Steve Jones <sdjones@sympatico.ca>
Date: Sun, 06 Jan 2002 14:33:41 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-55599-2002.01.06-14.03.56--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

```
on 1/6/02 12:25 PM, Roger Grady at k9opo@comteck.com wrote:

> At 08:00 AM 1/6/02 EST, W0acq@aol.com wrote:
>> Loss of GPS signal for no apparent reason -- then, a long time (sometimes
>> as long as an hour) to reacquire a constellation adequate for navigation.
>>
>> Garmin denies there are any issues with the III+.
```

```
>>
>> I am skeptical.

I had a GPS III which exhibited the same symptoms.

It was still under warranty so I received an RMA from Garmin and had a new
one in a few days.  Haven't had a problem in the 3 years I've had the new
one.

--
Steve <sdjones@sympatico.ca>



---
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```

149. [aprssig] Re: FCC NPRM: GPS via FRS

From: dougy@ruraltel.net (Doug Younker)
Date: Sun, 6 Jan 2002 13:18:56 -0600
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-55601-2002.01.06-14.41.41--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

```
I was thinking on the lines of 97.113 (5) (e) No station shall retransmit
programs or signals emanating from any type radio station other than an
amateur station..., Bob.  Yes, I understand one wouldn't have to retransmit
to make use of the data however, doing so increases it's utility.  One more
time the spirit/intent of the law and the letter of the law conflict. I have
to believe the intent was to curtail broadcaster wannabes. I have always
been of the opinion;  Your station and you are the licensee, operate as you
interpret the regulations and the only time I would complain is if/when you
interfere with my and others operating. Doug, N0LKK
----- Original Message -----
----- Original Message -----
From: "Bob Bruninga" <bruninga@usna.edu>
To: "Doug Younker" <dougy@ruraltel.net>
Cc: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Sent: Sunday, January 06, 2002 8:45 AM
Subject: Re: [aprssig] Re: Re: FCC NPRM: GPS via FRS


: On Sat, 5 Jan 2002, Doug Younker wrote:
:
: > Pretty much my sentiment.  There have been some clever ways to get
around
: > the rules that restrict the range of FRS.  Like the mobile unit has the
: > radio built into a mag mount antenna.  Part 97 pretty much prohibits
: > amateurs making use of any data from frs.
:
: I donno.  Nothing prohibits us from listening and receiving any data we
: hear on FRS.  And lots of amateurs now consider FRS an important and
: almost critical element of any emergency communications preparedness.
:
: Bob
:
:
:


---
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150. [aprssig] Re: Other Uses for OnStar...

From: K3for@aol.com
Date: Sun, 6 Jan 2002 16:03:41 EST
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: aprssig@lists.tapr.org
Message-ID: <LYR842-55609-2002.01.06-15.33.16--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

```
>>The police car was equipped with a permanently mounted computer running
Windows 2000 as the operating system. It had an application functionally very
similar
```

to the DeLorme Street Atlas program series, although the graphics were not quite as good. However, it did do real time tracking of the police car position, and had both pan and zoom controls on the display...

Yes, but all of these departments are realizing that if the permanent hardware/software goes down in the car, the car is put down - quite an asset waste.

It is actually more feasible to implement the data functions on Palm/Pocket PC, and also provide a high-durability (but quickly replaceable) larger touchscreen/keyboard swivel unit on the dash.

Also costly to implement in each car, as the local Lojack folks have discovered.

You can Bluetooth back to the car comms (which does CDPD or packet-over-trunk) or do CDPD right from the PocketPC (foot patrolmen)
. There are prototypes already, somewhat based on what UPS is doing.

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---

151. [aprssig] Re: FCC NPRM: GPS via FRS

From: "Mike Yetsko" <myetsko@insydesw.com>
Date: Sun, 6 Jan 2002 17:34:48 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-55628-2002.01.06-17.03.45--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

I think Bob is right here.

There is NOTHING that prohibits a HAM from taking ANY data from MOST sources and putting it on the air, however if a HAM does that, it is the HAMs responsibility for the data adhering to amateur rules and regs.

There are regs that prohibit certain 'rebroadcast' unless it's from the HAM originally, and it might be an interesting case if a HAM received FRS and 'rebroadcast' it on a HAM frequency. However, making use of data by essentially 'digipeating' it would, from the way 'I' read things
would not be at issue. Other than the HAMs responsibility for the content IF there were text fields involved.

Mike

----- Original Message -----
From: "Bob Bruninga" <bruninga@usna.edu>
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Sent: Sunday, January 06, 2002 9:45 AM
Subject: [aprssig] Re: FCC NPRM: GPS via FRS

> On Sat, 5 Jan 2002, Doug Younker wrote:
>
> > Pretty much my sentiment. There have been some clever ways to get around
> > the rules that restrict the range of FRS. Like the mobile unit has the
> > radio built into a mag mount antenna. Part 97 pretty much prohibits
> > amateurs making use of any data from frs.
>
> I donno. Nothing prohibits us from listening and receiving any data we
> hear on FRS. And lots of amateurs now consider FRS an important and
> almost critical element of any emergency communications preparedness.
>
> Bob
>
>
>
> ---
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>

>

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152. [aprssig] Re: FCC NPRM: GPS via FRS

From: "Timothy J. Salo" <salo@saloits.com>
Date: Sun, 6 Jan 2002 16:35:57 -0600 (CST)
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-55629-2002.01.06-17.14.43--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

> Date: Sat, 5 Jan 2002 21:47:31 -0500 (EST)
> From: Bob Bruninga <bruninga@usna.edu>
> Subject: [aprssig] Re: FCC NPRM: GPS via FRS
> [...]
> I just see no reason for Garmin to go out an invent a non compatible way
> to do what we have been doing in HAM radio for 8 years.

I don't know if this is a question, or merely a lament. However, for the moment I will treat it as a question worth thinking about.

The focus of this e-mail is why, if I were Garmin, I might choose a protocol other than AX.25/APRS. Note that these comments are not intended to necessarily suggest that the decisions made by hams weren't the right decision at the time. Rather, they focus why, if I were selecting a location protocol, I might pick something other than APRS.

o I believe that there are at least dozens of location protocols. Most of them, however, are proprietary or unpublished. So while the APRS protocol is documented, it certainly doesn't dominate the location protocol market. I don't believe that it is intuitively obvious that APRS is the only appropriate location for FRS radios.

o APRS assumes the use of the AX.25 protocol. And, the AX.25 protocol is a very strange beast.
  - It assumes (specifies) that stations are identified by 6-character amateur radio calls.
  - It munges together a lot of disparate functions into one protocol: link-layer functions, end-to-end transport layer functions, and source routing functions. True, APRS only uses the datagram portion of AX.25, but anyone reviewing AX.25 for possible use has to wade through all this other stuff. [Again, read my disclaimer. Obviously, AX.25 has made a strong contribution to amateur packet.]
  - It uses synchronous transmission and HDLC framing, which (while I like them in general) may require more processing power or software than Garmin wanted to devote to the problem.

  From the standpoint of protocol design, I think that the best that can be said about AX.25 in this day and age is that it is compatible with a bunch of existing hardware in a very small niche market (again, if you are thinking about FRS radios, rather than packet radio).

o It is entirely possible that the person working on location protocols at Garmin wasn't familiar with APRS. While this doesn't seem likely, these sorts of things do happen, particularly in larger organizations.

o APRS is not, I believe, the protocol that one would design if one started with a blank sheet of paper. For example, it seems to implement some functions in a number of different ways. It also has a number of odd features to ensure compatibility with esoteric equipment (e.g., X1J TNCs).

o Bob, I assume that if Garmin used the "APRS" trademark, that you would expect them to negotiate a license with you and probably expect a per-unit royalty. I suspect that the FRS market is pretty competitive, and that a royalty-free solution would have some advantage.

o The mechanisms for evolving the APRS protocol are unclear.

While the APRS Working Group exists, it is not clear whether it is active. The implications for Garmin of the current APRS standardization process are even less clear. Compared to most protocol standardization activity, the APRS Working Group is pretty closed/secretive/whatever. If I were Garmin, I would be concerned about tying the future of my product to this vague process.

o The APRS specification seems to talk a lot about specific implementations, particularly the Kenwood APRS-compatible units. If I were Garmin, this might make me a bit uneasy (because it is implementation-specific, rather than because it is Kenwood in particular).

o While I am all for protocol compatibility, I doubt that Garmin felt that they would sell very many more FRS radios if they were compatible with existing APRS products.

So, while I believe that APRS is one of the half-a-dozen really interesting activities within amateur radio, I don't think that alone makes a compelling case for Garmin to select APRS as the protocol for use in FRS radios.

So, I don't know if the world is a better place because I tried to answer your question. And, given the circumstances (e.g., a desire for compatibility with hardwired, unmodifiable AX.25 and APRS devices)
I don't know that things could have turned out differently. Nonetheless,
I do think that it is not unreasonable that Garmin might use protocols other than the AX.25/APRS protocols in FRS radios.

-tjs

---
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---

153. [aprssig] Re: [aprssig]: FCC NPRM: GPS via FRS

From: WA8LMF2@aol.com
Date: Sun, 6 Jan 2002 19:46:48 EST
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: bruninga@usna.edu
Message-ID: <LYR842-55650-2002.01.06-19.16.21--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

In a message dated 1/5/02 6:49:56 PM Pacific Standard Time, bruninga@usna.edu writes:

> I have done 12 miles standing on my roof and others have done 80 miles on
> a mountian calling in emergency help for someone with a broken leg...
>

Where were you that FRS was that quiet?

The bedlam on FRS here (anywhere in southern Cal) guarantees you couldn't hear anything more than a half mile or a mile or so. (and certainly guarantees that any data burst would be trashed.)
Almost anywhere around here in the mountains of Califonia (that potentially could yield the 50-80-mile long shot) overlooks these crowded metro areas and hears wall-to-wall QRM, either from the coast or the populated central valley

(I once worked a sixty mile shot from a mtn-top comm site to Garden Grove, CA [aka "Little Saigon, USA"] full quieting with an Icom 211 padded down to 1 mW into a 1/4-wave whip so I know low ERP can do it if it's now being buried in a million other signals...)

```
Stephen H. Smith                    wa8lmf @ aol.com
Home Page:
http://members.aol.com/wa8lmf
Ham Radio/Mobile SSTV page:     http://members.aol.com/wa8lmf/ham
APRS Stuff
http://members.aol.com/wa8lmf/aprs
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154. [aprssig] Re: GPS III+ Problems - External EMI??

From: WA8LMF2@aol.com
Date: Sun, 6 Jan 2002 20:05:29 EST
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: k9opo@comteck.com
Message-ID: <LYR842-55652-2002.01.06-19.34.56--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

```
In a message dated 1/6/02 9:26:15 AM Pacific Standard Time, k9opo@comteck.com
writes:

> Then I figured
>  out what was going on. The broadcast radio in my van was tuned to 87.7 (TV
>  channel 6 audio) and the local oscillator at that frequency is a
>  subharmonic of the GPS frequencies.

Exactly what happened to me.  I have a (home-built) radio coverage mapping
survey system that uses GPS. When I run it in my own car, it works perfecly.
One time when I tried to use it in an L.A. County Sheriff's card, the
Magellan AIV-10 OEM GPS assembly would take forever to lock and would keep
popping out of lock.
    I just happened to turn off the GE UHF mobile rig in the car and the GPS
instantly started working perfectly.    I checked with a microwave spectrun
analyzer and discovered the trunk-mount transceiver was leaking 3rd-harmonic
energy of the UHF RX local oscillator (which lands directly on the 1575MHz
GPS frequency for the LASD freqs in the 483-486 MHz range) at a level of
-80dBm into a quarter-wave whip a yard away from the case!
   It was completely smothering the -140-something dBm GPS signal from space!
 GPS is completely unusable within about 15 feet of any LASD black and white.
 This is one of the reasons LASD doesn't have GPS-based AVL yet -- it has to
wait until 3000 of these crappy GE radios are retired.

Stephen H. Smith                   wa8lmf @ aol.com
Home Page:
http://members.aol.com/wa8lmf
Ham Radio/Mobile SSTV page:     http://members.aol.com/wa8lmf/ham
APRS Stuff
http://members.aol.com/wa8lmf/aprs
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155. [aprssig] kenwood visual communicator

From: "Wes Johnston" <kd4rdb@netzero.com>
Date: Sun, 6 Jan 2002 20:25:31 -0800
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-55653-2002.01.06-19.55.05--lyris.aprssig#tapr.org@lists.tapr.org>
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```
can anyone with a visual communicator please email me direct, I have a few
questions about it's operation.

Wes


---
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156. [aprssig] Re: kenwood visual communicator

From: WA8LMF2@aol.com
Date: Sun, 6 Jan 2002 20:47:17 EST
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: kd4rdb@netzero.com
Message-ID: <LYR842-55655-2002.01.06-20.17.01--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

In a message dated 1/6/02 5:28:23 PM Pacific Standard Time,
kd4rdb@netzero.com writes:

> can anyone with a visual communicator please email me direct, I have a few
> questions about it's operation.
>
> Wes

GO ahead... Shoot!   I've got two of 'em.

Stephen H. Smith   wa8lmf @ aol.com
Home Page:
http://members.aol.com/wa8lmf
Ham Radio/Mobile SSTV page: http://members.aol.com/wa8lmf/ham
APRS Stuff
http://members.aol.com/wa8lmf/aprs

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157. [aprssig] Re: GPS III+ Problems - External EMI??

From: Mark Fellhauer <sparkfel@qwest.net>
Date: Sun, 06 Jan 2002 20:12:11 -0600
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: k9opo@comteck.com
Message-ID: <LYR842-55658-2002.01.06-20.41.52--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

At 07:05 PM 1/6/02, WA8LMF2@aol.com wrote:

>In a message dated 1/6/02 9:26:15 AM Pacific Standard Time, k9opo@comteck.com
>writes:
>
> > Then I figured
> > out what was going on. The broadcast radio in my van was tuned to 87.7 (TV
> > channel 6 audio) and the local oscillator at that frequency is a
> > subharmonic of the GPS frequencies.
>
>Exactly what happened to me. I have a (home-built) radio coverage mapping
>survey system that uses GPS. When I run it in my own car, it works perfecly.
>One time when I tried to use it in an L.A. County Sheriff's card, the
>Magellan AIV-10 OEM GPS assembly would take forever to lock and would keep
>popping out of lock.

When I had a Magellan Meridian XL it would often lose lock as I passed Luke
Air Force base on Northern Avenue.   Perhaps it had something to do with
those phased array radar antennas by the side of the road.   ;)

Mark
KC7BXS

---
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158. [aprssig] New Radio Shack Product

From: Mark Fellhauer <sparkfel@qwest.net>
Date: Sun, 06 Jan 2002 20:44:31 -0600
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-55671-2002.01.06-21.14.16--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

I was in RS this afternoon and found a new item that may be of use to APRSers, especially those that are tired of struggling to get at the soundcard jacks behind their computer.

P/N 26-204 Computer Headphone Speaker Switch. $14.99

It allows you to switch between speakers and a head set with one button, plus it has a pass-through for a microphone or line in. The really neat feature is a 3.5mm jack for standard telephone headset/mic combos.

They also have the dual trunking Pro-92 handheld scanner on sale.

Mark
KC7BXS

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---

159. [aprssig] Re: GPS Problems -- External EMI and excess antenna gain

From: WA8LMF2@aol.com
Date: Sun, 6 Jan 2002 21:48:33 EST
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: gerry@cs.tamu.edu
Message-ID: <LYR842-55672-2002.01.06-21.18.14--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

In a message dated 1/6/02 6:20:04 PM Pacific Standard Time, gerry@cs.tamu.edu writes:

> And they' follow the industry leaders,
> Trimble and Garmin, in trying to put too much preamp gain at the
> antenna. I've had cases where Trimble preamp'd antennas were
> oscillating and radiating on-channel "spread-spectrum" noise.
>

I've definitely noticed this in the congested metro L.A. area. All the external active- antenna GPS units get blasted. desensitized and blocked as I drive by the numerous 1.8GHz PCS cell sites that now dot Los Angeles. The patch antennas are low-Q broadband devices that provide nearly zero selectivity to out-of-band signals before the 15-20 dB gain amps.

My inexpensive "GPS mouse" combination receiver/antenna units (Delorme Earthmate, RandMcNally, Pharos I-GPS180, and especially the Holux GM200) sitting on the dash inside the car are far outperfoming the external antenna units. All of these devices have in common, passive patch antennas connected directly to the receiver front end; i.e much better receiver gain distribution.

I am currently using a unit that combines the best of both -- the Tri-M Engineering "Smart Skymaster". This is a hardmount combination antenna and receiver barely larger than the typical round patch antenna alone -- about 2.5" diameter and about 5/8" thick with a 3/4"-dia threaded stud sticking out of the bottom. It mounts though a single 3/4" hole on the car's sheetmetal with a nylon nut screwed on from below. In the center of the mounting stud is a mini-din connector that you feed DC power into and take RS-232 data out of.

You can see a pic of it on the APRS page of my website at:
   http://members.aol.com/wa8lmf/aprs

Stephen H. Smith   wa8lmf @ aol.com
Home Page:
http://members.aol.com/wa8lmf
Ham Radio/Mobile SSTV page: http://members.aol.com/wa8lmf/ham
APRS Stuff
http://members.aol.com/wa8lmf/aprs

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---

160. [aprssig] Re: GPS III+ Problems

From: BordingK@aol.com
Date: Sun, 6 Jan 2002 21:51:09 EST
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: aprssig@lists.tapr.org
Message-ID: <LYR842-55673-2002.01.06-21.20.48--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

```
My Garmin III+ has never been turned off in almost 3 years (one of the first
ones out).  I use a little mag mount Trimble antenna that Paccom used to sell
for $65.00.

Even receives 6-8 sats while parked inside the garage with the metal garage
door closed!  (Active antenna sure helps!)

Do you have the latest software update from Garmin's web site.  Might help.

DE W5KNB
Ken

---
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161. [aprssig] Re: FCC NPRM: GPS via FRS

From: Jeff King <jeff@aerodata.net>
Date: Sun, 06 Jan 2002 22:09:27 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: TAPR APRS Special Interest Group <aprssig@lists.tapr.org>
Message-ID: <LYR842-55675-2002.01.06-21.38.39--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

```
Timothy J. Salo wrote:



> o     APRS assumes the use of the AX.25 protocol.  And, the AX.25
>       protocol is a very strange beast.
...

> o     APRS is not, I believe, the protocol that one would design
>       if one started with a blank sheet of paper.


One point also being missed is that Garmin will use Bell 202 audio tones. Garmin's
other AVL unit is the NAVTALK which uses touchtone's over the cellular AMPS network
to send AVL position.

I'd not guess they would go that route on FRS, but I also question if they would use
Bell 202. The standard for "through the mic" radio data seems to be MSK, either 1200
or 2400bps. This is what ACARS uses and it offers about 10db better BER performance then
Bell 202 does. Even more likely, both from a performace and cost standpoint, in particular
if it is a integrated unit, is that they would go with some form of direct FSK/GMSK baseband
modulation.

-Jeff



---
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162. [aprssig] D700 Question

From: "Andrew Rich" <andrew.rich@bigpond.com>
Date: Mon, 7 Jan 2002 19:01:53 +1000
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-55704-2002.01.07-03.30.49--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

```
1. Does the D700 do KISS  ?
2. Does the D700 digipeat ?

These are the shortcomins of little brother th-d7ag

Andrew VK4TEC

---
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```

163. [aprssig] Re: Bob's I Band idea

From: Hamish Moffatt <hamish@cloud.net.au>
Date: Mon, 7 Jan 2002 22:35:12 +1100
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-55708-2002.01.07-06.05.34--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

```
On Sun, Jan 06, 2002 at 09:59:34AM -0500, Mark Phillips wrote:
> I've not much to add to this other than maybe a name for the "frequency"
> used. How about NetaHertz? The abbreviation would then be NHz (which
> probably means Nano but I dunno).

Nano is a lower-case n (ie nHz).

Hamish
--
Hamish Moffatt VK3SB <hamish@debian.org> <hamish@cloud.net.au>

---
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164. [aprssig] Re: kenwood visual communicator

From: VERHAP@OCC1.SD01.K12.ID.US
Date: Mon, 7 Jan 2002 07:38:54 -700
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-55739-2002.01.07-09.14.24--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

```
Let me try this again, I meant to send a question to the SIG.

I'd like to command my VC-H1 to digitize and image and then send
it over the radio.  I was given notes on the command structure.
Then I built a TTL to RS232 level converter.  I programmed a Basic
Stamp to send the commands, but only suceeded in getting the
screen to blank out.

Has anyone suceeded in using a terminal program to command a
VC-H1 to capture an image and then transmit it?

Paul
KD4STH

> > can anyone with a visual communicator please email me direct, I have a few
> >  questions about it's operation.
> >
> >  Wes
>
> GO ahead... Shoot!    I've got two of 'em.


---
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Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org
```

165. [aprssig] Re: D700 Question

From: Robbie Robertson <mwrobertson@attbi.com>
Date: Mon, 07 Jan 2002 09:43:02 -0600
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: TAPR APRS Special Interest Group <aprssig@lists.tapr.org>
Message-ID: <LYR842-55748-2002.01.07-10.12.17--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

```
Hi Andrew,

1. Yes - At least there is a Command to enter Kiss in the manual,
page 45
2. Yes - According to the manual page 42.

I have not used the Kiss mode at all, but I do have DIGI On and
use it for my D7 when the need arises..

73!

Robbie

Andrew Rich wrote:
>
> 1. Does the D700 do KISS  ?
> 2. Does the D700 digipeat ?
>
> These are the shortcomins of little brother th-d7ag
>
> Andrew VK4TEC
>
> ---
> You are currently subscribed to aprssig as: mwrobertson@attbi.com
> To unsubscribe send a blank email to leave-aprssig-842K@lists.tapr.org
> Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

--

- Robbie Robertson -
...-.- wa9inf ...-.-

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Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org
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166. [aprssig] Re: Who/What is APRS-1???

From: "Roger Bille" <roger.bille@telia.com>
Date: Mon, 7 Jan 2002 18:25:39 +0100
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-55765-2002.01.07-11.53.07--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

```
APRS-1 is the callsign of first.aprs.net

 73 de sm5nrk/Roger




---
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To unsubscribe send a blank email to leave-aprssig-842K@lists.tapr.org
Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org
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167. [aprssig] Re: kenwood visual communicator

From: Bob Bruninga <bruninga@usna.edu>
Date: Mon, 7 Jan 2002 12:54:31 -0500 (EST)
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: TAPR APRS Special Interest Group <aprssig@lists.tapr.org>
Message-ID: <LYR842-55766-2002.01.07-12.24.04--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

```
Seems I remember that the VCH-1 has to be hooked to the TH-D7 for remote
control to work.  I looked at it a long time ago, and I think that the D7
converts the received CTCSS I think it was to serial data, and it
was the serial data that then caused that function.  But in re-reading
your email it seems that that is the approach you are taking... so ignore
this...

Bob
 On
```

Mon, 7 Jan 2002 VERHAP@OCC1.SD01.K12.ID.US wrote:

> Let me try this again, I meant to send a question to the SIG.
>
> I'd like to command my VC-H1 to digitize and image and then send
> it over the radio. I was given notes on the command structure.
> Then I built a TTL to RS232 level converter. I programmed a Basic
> Stamp to send the commands, but only suceeded in getting the
> screen to blank out.
>
> Has anyone suceeded in using a terminal program to command a
> VC-H1 to capture an image and then transmit it?
>
> Paul
> KD4STH
>
> > > can anyone with a visual communicator please email me direct, I have a few
> > > questions about it's operation.
> > >
> > > Wes
> >
> > GO ahead... Shoot!   I've got two of 'em.
>
>
> ---
> You are currently subscribed to aprssig as: bruninga@usna.edu
> To unsubscribe send a blank email to leave-aprssig-842K@lists.tapr.org
> Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org
>

de WB4APR@amsat.org, Bob

PCsat WEB page	http://www.ew.usna.edu/~bruninga/pcsat.html
ISS-APRS FAQ:	http://www.ew.usna.edu/~bruninga/iss-faq.html
CUBESAT Designs	http://www.ew.usna.edu/~bruninga/cubesat.html
APRS LIVE pages	http://www.ew.usna.edu/~bruninga/aprs.html
APRS SATELLITES	http://www.ew.usna.edu/~bruninga/astars.html
MIM/Mic-E/Mic-Lite	http://www.toad.net/~wclement/bruninga/mic-lite.html

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168. [aprssig] RE: $10 USB to Serial adaptor

From: "Pearce, David E" <david.e.pearce@lmco.com>
Date: Mon, 07 Jan 2002 10:54:49 -0700
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-55767-2002.01.07-12.25.35--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

I could never get mine to work with anything. So I suggest buyers beware.
Quality control on this item is questionable.

-----Original Message-----
From: Leon Ciereszko [mailto:n4tcw@yahoo.com]
Sent: Monday, December 31, 2001 1:40 AM
To: TAPR APRS Special Interest Group
Subject: [aprssig] $10 USB to Serial adaptor

Found at CompUSA. $10.00 after rebates. iConcepts
PDA USB adaptor SKU#284605. Sale end 05 JAN 2001.

Results from N4TCW Labs:

Tests used using Compaq 1600 laptop running Windows 98
SE w/a Belkin 4-port hub. Could not check voltage
levels to confirm true RS232.

1. KPC3 V6.0 OK at 4800 and 9600 w/WinAPRS 2.49
2. D7A(G) OK w/ WinAPRS 2.49
3. Garmin GPS3+ upload and download waypoints and
tracks w/StreetAtlas 9.0
4. Garmin Etrex upload and download waypoints and
tracks w/StreetAtlas 9.0

Could not test w/TinyTrak I because TinyTrak Config

only goes up to COM 4. The driver seems to set the
adaptor to COM 5.

Lee N4TCW

____
Do You Yahoo!?
Send your FREE holiday greetings online!
http://greetings.yahoo.com

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---

169. [aprssig] Interesting Public Safety event presentation web site

From: "Sadowski, Allan" <allan.sadowski@ncshp.org>
Date: Mon, 7 Jan 2002 15:33:57 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-55776-2002.01.07-14.59.15--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

http://cad.chp.ca.gov/

Shows traffic "incidents" that CHP is working in real time... accidents and other "incidents".... the mapping is rough.. but actually FAR FAR better than some of the "dumber" APRS mapping applications....

Might make for an interesting background on some APRS maps... you get to see the accidents as they are reported as a background to UI Frame position reports....

Over time... could even see what roads have the majority of traffic "incidents" to help avoid...

Imagine... some folks here use NEXRAD radar maps as background... travelers in an area might want to know traffic info as background.... way kewl....

ALOHA
AH6LS

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---

170. [aprssig] Re: Interesting Public Safety event presentation web site

From: Mark Fellhauer <sparkfel@qwest.net>
Date: Mon, 07 Jan 2002 14:58:39 -0600
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-55779-2002.01.07-15.29.09--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

At 02:33 PM 1/7/02, Sadowski, Allan wrote:

>Shows traffic "incidents" that CHP is working in real time... accidents and
>other "incidents".... the mapping is rough.. but actually FAR FAR better
>than some of the "dumber" APRS mapping applications....

Nice to see they still issue "Sigalerts."

http://www.broadcasting101.com/sigalert.html

73,

Mark
KC7BXS

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---

171. [aprssig] Re: Interesting Public Safety event presentation web site

From: WA8LMF2@aol.com
Date: Mon, 7 Jan 2002 16:07:39 EST
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: allan.sadowski@ncshp.org
Message-ID: <LYR842-55781-2002.01.07-15.37.12--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

```
This text-based information is already being presented online in an APRS-like
map display.  Check out this site:
     http://traffic.tann.net/Frame05.html

Click on the "LA Regionwide" or "LA Central" links for the best view

TANN (Traffic Advisory News Network) combines the CHP (Cal Highway Patrol)
accident reports and vehicle speed reports provided by Caltrans (Cal Dept of
Transportation) gathered from thousands of sensors in the southern Cal
freeway system pavement to give a color-coded real-time (updated once a
minute) presentation of traffic flow all over the greater LA area.

The map also includes camera icons on the map  linked to live Realplayer
webcams viewing some of the major freeway interchanges.

NOTE: At the time I write this, the freeway speed sensor feed seems to be
down -- normally you will see a rainbow double row (East and Westbound or
North and Southbound are plotted separately) of green, yellow and red dots
lining all of the freeway system showing the speed at each point.

Actually, I have thought for some time this would make a neat enhancement for
APRS in large metro areas -- plot mobiles on the map as color-coded arrows
based on their speed and direction.   There are enough mobiles moving around
at one time in places like LA, Seattle, Chicagol, NY etc that I think a
useful amount of info would appear on the map.    Perhaps an enhancement for
Findu too....


Stephen H. Smith                   wa8lmf @ aol.com
Home Page:
http://members.aol.com/wa8lmf
Ham Radio/Mobile SSTV page:     http://members.aol.com/wa8lmf/ham
APRS Stuff
http://members.aol.com/wa8lmf/aprs
------------------------------------------------------------------------------

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```

---

172. [aprssig] APRS DFing

From: Skip Allison <sallison@megsinet.net>
Date: Mon, 07 Jan 2002 23:11:15 -0800
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-55859-2002.01.07-23.41.24--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

```
I got my Doppler DF box working!  It's the Montreal DF box.  It has the
capability to send DF info to an APRS program.

I brought up WinAPRS and set it up to recognize the DF on port 2.  When
I push the button to send a bearing, WinAPRS draws a line from the
current position.  COOL!  But whenever you zoom or scroll, the line
disappears!  I expected it to at least work like manually drawing a DF
line that would stay there when you scroll and zoom.  OK, so much for
WinAPRS - the maps are out of date anyway.

Next I tried APRS+SA.  I can't seem to find any reference to it
recognizing the DF output.  I guess I'm out of luck there too.
```

Last I tried DOS APRS. I couldn't figure out how to set up DF. I did
alt-S / DF / then tried all the choices. But I didn't see any way to
set the serial port. Besides, the DOS maps aren't really detailed
enough to be a lot of help for fox hunting.

So it looks like I'm out of luck for using the cool DF box with APRS
unless someone has some suggestions.

Skip
K9SA

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---

173. [aprssig] RE: APRS DFing

From: "Jack Smith" <jrs38801@bellsouth.net>
Date: Mon, 7 Jan 2002 23:18:35 -0600
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-55860-2002.01.07-23.48.07--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Skip,

Which one did you build? The one with the LEDs, or the one with the digital
display?

I don't know anything about the interface problem, but I am interested in
your experiences in building it and what your eventual solution is.

Jack KE4LWT

>I got my Doppler DF box working! It's the Montreal DF box. It has the
capability to send DF info to an APRS program.

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---

174. [aprssig] Re: APRS DFing

From: Bob Bruninga <bruninga@usna.edu>
Date: Tue, 8 Jan 2002 09:45:12 -0500 (EST)
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: TAPR APRS Special Interest Group <aprssig@lists.tapr.org>
Message-ID: <LYR842-55897-2002.01.08-09.14.47--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

On Mon, 7 Jan 2002, Skip Allison wrote:

> [...next,] I tried DOS APRS. I couldn't figure out how to set up DF.
> I did alt-S / DF / then tried all the choices. But I didn't see any
> way to set the serial port.

When you start APRS fresh, you indicate that your second comm port will be
used for DF. If you have saved a config file, then do alt-S-PORTS to go
through the port setup again to change your answer to that question.

> Besides, the DOS maps aren't really detailed enough to be a lot of
> help for fox hunting.

SOmewhat true but in many cases you dont need great maps if you have DF
equip because you can just follow the vectors and your nose.. (assuming
you have some general knowledge of the area) But in any case, APRSdos has
some great DF features:

1) The Bearing line stays on all screens and its length is proportional to
the map used for the track. Thus, if you are looking on the 32 mile range
scale, then the line will be about that long (it assumes you wouldnt be on
the 32 mile screen unless you expected the fox to be there. Thus as you
zoom in as you get closer, then everyone else sees your transmited bearing
lines getting shorter.

2) You can hit INPUT-Save MY DF and it will keep a previous bearing line
ont he map as you continnnue to move. Great for the mobile fox hunter for

doing your own trinagulating.

3) APRSdos has omni-DFing that works perfectly with NO DF equipment and even with POOR maps. That is because it only indicates a broad area. probably a few miles across where the fox might be, so map detail is not important. But then take that area location over to your detail maps elsewhere and proceed to nail the guy.

Here is what I poseted before about APRSdos OMNI-DFing. Also I now have a WEB page that shows what OMNI DFing looks like:

http://www.ew.usna.edu/~bruninga/dfing.html

Most new APRS people are not aware of the very powerful APRS "OMNI" direction finding technique that is built into APRS. Today we have a jamming signal on 145.09 in the DC area...

APRS will plot a circle around all OMNI DF reportig stations whose size and color brightness is *inversly* proportional to their received signal strength heard. But the real power comes from the fact that most people hear nothing yet this is EXCELLENT data. Their reports result in large BLACK circles showing everywhere the signal ISN'T!

The overlapping black and colored circles on the map then give a very visual result that locates the signal to be the brightest colored area left on the map. To see an example, if you have APRSdos, do a FILES-LOAD-DF-OMNI and then hit MAPS-PLOTS-DF-OMNI to see a plot of one of our fox hunts...

The relative size of these circles is also proportional to each stations PHG, so the differences between base stations, Mobiles and HT's is accounted for. We have used this technique during fox hunts and always been able to locate the fox to within about a MILE in only a few minutes. No, we cannot do much better, but by locating the neighborhood within minutes, then we can tell the mobile DF'ers exactly where to go immediately to nail him.

The POWER of this technique is at least 3 orders of magnitude better than BEAMS for many reasons.
1) EVERYONE contributes data. Not just the 1% who have beams
2) Those who DONT HEAR ANYTHING contribute very VALUABLE data
3) You can do it immediately within seconds of listening, and no one needs any special equipment. Just make your VOICE report to someone with APRS.
4) Every MOBILE, HT, anyone on the air can contribute. Actually you will spend more time trying to tell them to QSY and just tell you what they heard, then it takes to collect the data!

This was one of the first real advantages of APRS as a graphical map tool, and it used to be quite useful... yet I never hear of anyone using it these days.

In APRSdos, here are the related commands:

INPUT-DF	to report your own omni-DF report
INPUT-ADD-OBJ	(choose the DF icon) to report for someone else
MAPS-PLOTS-DF	to see the result...

For those realy into DFing, there is also a single-driver-omni-FADE technique also built into APRSdos. ANyone with a moble can find ANY jammer alone... if you have the time and the gas... here is how:

1) Drive till you loose the signal. Hit F5 (it marks the spot)
2) Drive back the otehr way until you again lose the sigal, hit F5
3) Turn and go a different direction to find a third point where you lose the signal. Hit F5.
4) Now hit MAPS-PLOTS-DF-FADE. APRSdos will compute the centroid of your three points and plot that location on the map.
5) DRIVE there. Reduce your RECEIVER sensitivity and repeat all steps.

There are many ways to reduce your receiver sensitivity in step 5 between runs:

1) Remove your antenna whip
2) Insert attenuators
3) Use an HT with a rubber ductk
4) Instead of using the 0-signal fade point as your bench mark, use the radio's signal strength at some fixed level.

```
Whereas the OMNI-DF technique is a collective process letting EVERYONE
contribute using any radio and any PHG, the OMNI-FADE technique is an
individual process using only one receiver...  (It is what the CAP uses
in airborne search an rescue)

de WB4APR@amsat.org, Bob

See my APRS LIVE pages    http://web.usna.navy.mil/~bruninga/aprs.html
See APRS SATELLITES       http://web.usna.navy.mil/~bruninga/astars.html
See MIM/Mic-E/Mic-Lite    http://www.toad.net/~wclement/mim2.htm



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175. [aprssig] Wanted: small footprint packet modem.

From: Alex <kr1st@amsat.org>
Date: Tue, 08 Jan 2002 09:48:48 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-55904-2002.01.08-09.18.28--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

```
Hi there,

I'm looking for a packet radio modem with a footprint of about half a
credit card. It should accept RS232 and it would be nice if the height
would be under 3/16th". Does such an animal even exists?

Thanks and 73,
--Alex

---
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```

176. [aprssig] "ECHO was OFF" appearing on my data feed ...

From: Maiko Langelaar <maiko@slmsoft.com>
Date: Tue, 08 Jan 2002 10:27:49 -0600
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-55917-2002.01.08-10.46.41--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

```
Greetings,

I'm getting the following data from another APRS server,
as is, no source path header, just what you see below :

   ECHO was OFF

Anyone got any idea what this is ?

Maiko / VE4KLM

---
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```

177. [aprssig] Re: "ECHO was OFF" appearing on my data feed ...

From: "Gregg G. Wonderly" <gregg@skymaster.c2-tech.com>
Date: Tue, 08 Jan 2002 10:26:08 -0600
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: TAPR APRS Special Interest Group <aprssig@lists.tapr.org>
Message-ID: <LYR842-55918-2002.01.08-10.55.48--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

```
>I'm getting the following data from another APRS server,
>as is, no source path header, just what you see below :
>
>   ECHO was OFF
>
>Anyone got any idea what this is ?

This is the response to an ECHO command setting from a TNC ECHO command.
Someone has their radio set to ECHO ON, and thus, when configuration of the
TNC is being done, the responses are comming back and the software is sending
them out the IGATE feed, as is.

-----
gregg@c2-tech.com  (C2 Technologies Inc)



---
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```

178. [aprssig] Re: "ECHO was OFF" appearing on my data feed ...

From: Robbie Robertson <mwrobertson@attbi.com>
Date: Tue, 08 Jan 2002 10:31:36 -0600
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: TAPR APRS Special Interest Group <aprssig@lists.tapr.org>
Message-ID: <LYR842-55920-2002.01.08-11.01.13--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

```
This happens sometimes when a program is sending commands to a
tnc while the tnc is still in "CONVERSE" mode. The TNC INIT files
usually include the command, ECHO OFF, and the tnc will respond,
ECHO was OFF...

Hopefully, it only happens occasionally when someone is booting
up or changing something and sending the init string to the tnc.
When it won't respond, the operator will probably figure it out..

73,

Robbie

Maiko Langelaar wrote:
>
> Greetings,
>
> I'm getting the following data from another APRS server,
> as is, no source path header, just what you see below :
>
>    ECHO was OFF
>
> Anyone got any idea what this is ?
>
> Maiko / VE4KLM
>
> ---
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> Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

--

- Robbie Robertson -
...-.- wa9inf ...-.-

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179. [aprssig] Am I missing something

From: "Clark A. Lowry N7AAC" <N7AAC@aztenx.org>
Date: Tue, 8 Jan 2002 09:41:12 -0700
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-55921-2002.01.08-11.11.03--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

I am using MacAprs and I cannot see or send objects via tcp/ip. Is
there an option I am overlooking?

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---

180. [aprssig] Re: Am I missing something

From: "Dennis Hudson, N2LBT" <n2lbt@n2lbt.com>
Date: Tue, 08 Jan 2002 12:05:15 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-55924-2002.01.08-11.34.25--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

On 1/8/02 11:41 AM, "Clark A. Lowry N7AAC" <N7AAC@aztenx.org> wrote:

> I am using MacAprs and I cannot see or send objects via tcp/ip. Is
> there an option I am overlooking?
>

I haven't had a chance to report it, but message acking appears broken in
3.5.2 as well.

Keith/Mark are you aware of some of these problems?

Dennis,
N2LBT

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---

181. [aprssig] AprsSA and KamPlus

From: ko4qc@mindspring.com
Date: Tue, 08 Jan 2002 12:48:50 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-55931-2002.01.08-12.23.42--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

I need help with the above combination,specifically,I cant copy anything to
the map...program shows my station and will key the TXmtr but nothing shows
on the screen...I also use the Kam with KaWin with no problem so there isnt
a hardware problem.Tnx in advance.
PS:Is there an archive where I may find this info if previously addressed
in this forum:>)

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---

182. [aprssig] Re: AprsSA and KamPlus

From: WA8LMF2@aol.com
Date: Tue, 8 Jan 2002 13:19:11 EST
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: ko4qc@mindspring.com
Message-ID: <LYR842-55932-2002.01.08-12.48.51--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

In a message dated 1/8/2002 9:55:40 AM Pacific Standard Time,
ko4qc@mindspring.com writes:

> I need help with the above combination,specifically,I cant copy anything to
> the map...program shows my station and will key the TXmtr but nothing shows
> on the screen...I also use the Kam with KaWin with no problem so there isnt
> a hardware problem.Tnx in advance.

Sounds like the dual port problem again -- could be that APRSplus is ignoring
the receive stream from the side of the TNC you are trying to use. Is
APRSplus set to the dual-port mode and to the correct port for RX?

Stephen H. Smith   wa8lmf @ aol.com
Home Page:
http://members.aol.com/wa8lmf
Ham Radio/Mobile SSTV page: http://members.aol.com/wa8lmf/ham
APRS Stuff

http://members.aol.com/wa8lmf/aprs
```
------------------------------------------------------------------------------

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183. [aprssig] GARMIN COLORMAP StreetPilot

From: "Gun Steele" <synerco@dodgecity.net>
Date: Tue, 8 Jan 2002 14:13:21 -0600
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-55967-2002.01.08-14.46.26--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

I've been using a Magellan Map410 with my D700 that puts the GPS over to the right of center in the vehicle. Do the GARMIN COLORMAP units interface well with the Kenwood 700? I would like to acquire something with a horizontal form factor that can be placed more in the driver line of sight.

Gun Steele WØGUN
SYNERCO

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Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

184. [aprssig] GARMIN COLORMAP STREETPILOT OR 176C?

From: "Gun Steele" <synerco@dodgecity.net>
Date: Tue, 8 Jan 2002 14:30:02 -0600
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-55974-2002.01.08-15.03.05--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Trying to decide between these two color GPS units that both seem to interface with the Kenwood D700. Any info would be appreciated.

Gun Steele WØGUN
SYNERCO

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185. [aprssig] RE: "ECHO was OFF" appearing on my data feed ...

From: Bill Diaz <billdiaz@megsinet.net>
Date: Tue, 8 Jan 2002 15:07:38 -0600
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-55979-2002.01.08-15.58.07--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Maiko,
The ECHO OFF and other related TNC commands and responses should not be passed to the APRS IS but some applications will pass anything seen on the serial port.

APRServe, AHub, and aprsd 2.2.x will reject these packets. Other versions of aprsd may pass the text exactly as submitted. It is possible to see quite a bit of non-APRS data when connected to some aprsd versions.

Bill KC9XG

On Tuesday, January 08, 2002 10:28, Maiko Langelaar

```
[SMTP:maiko@slmsoft.com] wrote:
> Greetings,
>
> I'm getting the following data from another APRS server,
> as is, no source path header, just what you see below :
>
>    ECHO was OFF
>
> Anyone got any idea what this is ?
>
> Maiko / VE4KLM
>
> ---
> You are currently subscribed to aprssig as: BILLDIAZ@MEGSINET.NET
> To unsubscribe send a blank email to leave-aprssig-842K@lists.tapr.org
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>

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```

---

186. [aprssig] Re: Wanted: small footprint packet modem.

From: "Wes Johnston" <kd4rdb@netzero.com>
Date: Tue, 8 Jan 2002 16:33:51 -0800
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: "aprs" <aprssig@tapr.org>
Message-ID: <LYR842-55983-2002.01.08-16.03.30--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

```
Check the modem for the alinco 135tp ... the modem is an option you can buy
just like a CTCSS chip or voice synthesizer...
Not sure if it meets your 3/16" specification.

Wes

----- Original Message -----
From: "Alex" <kr1st@amsat.org>
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Sent: Tuesday, January 08, 2002 6:48 AM
Subject: [aprssig] Wanted: small footprint packet modem.


> Hi there,
>
> I'm looking for a packet radio modem with a footprint of about half a
> credit card. It should accept RS232 and it would be nice if the height
> would be under 3/16th". Does such an animal even exists?
>
> Thanks and 73,
> --Alex
>
> ---
> You are currently subscribed to aprssig as: kd4rdb@netzero.com
> To unsubscribe send a blank email to leave-aprssig-842K@lists.tapr.org
> Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org
>
>



---
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```

---

187. [aprssig] RE: APRS DFing

From: Ralph Milnes <milnes1@rcn.com>
Date: Tue, 08 Jan 2002 20:02:10 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-56017-2002.01.08-19.31.46--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

```
Skip,

How about contacting Jacques, VE2EMM, the Montreal Dopler nventor for
advice on the APRS interface?

jacbro@colba.net
```

http://www.colba.net/~jacbro/index/projpic/mtldopii/mtldopii.html

73, Ralph KC2RLM

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---

188. [aprssig] APRIL OKC Marathon and APRS

From: "WL7FT" <wl7ft@mmcable.com>
Date: Wed, 9 Jan 2002 07:03:50 -0600
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-56018-2002.01.08-19.34.09--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Greetings,

My name is Mark Hamblin, My Call is WL7FT. I have been active in PACKET for quite some time (both VHF and HF) and am just getting into APRS. I am also the president of the Oklahoma City Autopatch Assoc. (OCAPA).

If someone will take a moment to help, I'd like to ask a few questions (As yet not being well versed in APRS).

Has anyone ever "done a marathon" with ARPS before? I was the communications coordinator for the Oklahoma City (Murrah) Marathon last year. What we did was all voice (without APRS). I can readily see the advantages of having ARPS aid in the Command and control of this event. I have enlisted the support of several APRS guys here in OKC to get APRS "on the map" and show the marathon and control SAG vehicles during the marathon. Some of my initial questions are listed below:

1. I would like someone to tell me which APRS program is preferred (UI-VIEW or WINAPRS are ones that come to mind). I am creating maps, and would like to move points on the map (relay exchange points, water stops, AID locations etc..) without much difficulty during the race. Being able to beacon their location is not required. The points I would like to beacon requiring mobile APRS would be the SAG vehicles, lead vehicle and the like that would require about ten APRS units and Transmitters. The rest of the points may be "static" points that do not require beaconing, but just dynamic "ID's" on the map that may be changed either by changing a table of points, or moving the simbology.

Personal questions:

2. POCKET APRS for the Mindspring PDA: I have a Mindspring Visor "Neon". Does the serial cable from the "Visor" send INPUT/OUTPUT from the Magellan GPS (the GPS internal to the VISOR) out to the tiny track or like unit And what would the pin-outs be to wire it?

3. Is the internal Magellan GPS unit the best way to go, or would I be better suited to go with an external GPS unit?

If there is someone out there that would like to discuss this with me. I'd be happy to call or go offline private email.

Many Thanks and 73
Mark/WL7FT

Outgoing mail is certified Virus Free.
Checked by AVG anti-virus system (http://www.grisoft.com).
Version: 6.0.307 / Virus Database: 168 - Release Date: 12/11/2001

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Version: 6.0.307 / Virus Database: 168 - Release Date: 12/11/2001

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---

189. [aprssig] antenna connector for GPS40

From: "John Becker" <molou@big-river.net>
Date: Tue, 8 Jan 2002 18:58:33 -0600
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-56019-2002.01.08-19.38.32--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

What do they call the connector for a Garimn GPS 40?
can't find any thing on the web site...

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---

190. [aprssig] Garmin announces GPS/FRS radio combination

From: Bill Diaz <billdiaz@megsinet.net>
Date: Tue, 8 Jan 2002 21:29:45 -0600
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-56029-2002.01.08-22.02.57--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Garmin has announced 2 GPS/FRS radios.

http://www.garmin.com/products/rino/index.html

There is no details on the data communications protocol but it seems that it may be proprietary.

Bill KC9XG

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---

191. [aprssig] Re: AVRS and IRLP

From: Bob Bruninga <bruninga@usna.edu>
Date: Tue, 8 Jan 2002 23:38:44 -0500 (EST)
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: <irlp@irlp.net>
Message-ID: <LYR842-56047-2002.01.08-23.08.19--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Adding another idea to the APRS support for IRLP/I-link:

Ideas so far:
1) Add the AVRS.POS file to your mobile APRS for instant map access
2) Putting your local node number in your mobile status text
3) Add AVRS as a MSG-GRP call so you can get general msgs to AVRS
4) Add AVRS to your local IGate to pass these msgs to you
5) Putting your local IRLP node coverage on the APRS map by adding it as an APRS object in the LText buffer in your local APRS digi

New ideas:

1) Someone write an AVRS info engine that will respond to Queries anywhere in the world with the NODE number of the nearest node to callsign X and the distance.

```
Query APRS message:    TO: W3XYZ  MSG: ?AVRS
AVRS Engine response:  TO: mycall MSG: #nnnn xx mi
                                       #nnnn xx mi
```

Notice the 12x12 character formatting of the response message to fit on the 12x12x12x12 display lines of the D7. AND the use of 4 digit node names (we better start planning for it now!)

Notice, that since this is a message to individual W3XYZ, that individual may also receive the Query as a message as well. Thus he konws that someone is looking for him as a freebee.

2) NODE Dump: Unrelated to the individual query above, When we get to the point of dumping multiple NODE status to the front panel of the Kenwood radios I suggest a format that distinguishes between active and non-active nodes on the Kenwood summmary list. It looks like this:

```
  +---------------------------------+
  |  1: AnaplsMD.   20:36  OBJECT   |
  |  2: BaltoMD .   20:36  OBJECT   |
  |  3: WashDC  .   20:36  OBJECT   |
  |  4: BullRnVA=   20:36  OBJECT   |
  |  5: SanFrnCA=   20:36  OBJECT   |
  +--------------------------------+
```

This display shows 5 out of the 40 list at a time and makes it easy to see the status of multiple nodes in a dump from the local IRLP node (on its own frequency). The 9th character of the object name indicates its status. "." means idle, "=" means connected, ? means unknown, etc..

I SURE HOPE THE KENWOOD accepts punctuation in Object names?

An advantage of the OBJECT format also is that it DOES allow a full 9 character NAME without the 6x2 LETTERxSSID requirement. And also then the OBJECT format can convey any other APRS format and all the varieties of information possilble for each nodes PAGE display.

Next problem is how to restrict the data dump of hundreds (will be thousands before long) for the 40 you are interested in.

Do you request alphabetically starting with X
Do you request a LAT/LONG?
Do you request the nearest to X
Do you request only those in use?
etc..

I will add these thoughts to the AVRS ideas page tomorrow when I get a chance: http://www.ew.usna.edu/~bruninga/avrs.html

de WB4APR, Bob

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---

192. [aprssig] Technical question on WINaprs and CR/LF options (help !!!) ...

From: Maiko Langelaar <maiko@slmsoft.com>
Date: Tue, 08 Jan 2002 23:31:13 -0600
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-56053-2002.01.09-00.00.26--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Hello all,

A bit of a technical question ...

I have data coming to me over a TCP/IP connection from a WINaprs client.
I've
noticed that WINaprs terminates its frames with a '\r', whereas other
clients
like UI-View and APRS+SA terminate theirs using '\r', followed by '\n'.

Does WINaprs have an option to include the '\n' NEWLINE character ?

73 Maiko / VE4KLM

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---

193. [aprssig] Re: Garmin announces GPS/FRS radio combination

From: Dale Blanchard <wa7ixk@earthlink.net>
Date: Tue, 08 Jan 2002 21:34:03 -0800
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: TAPR APRS Special Interest Group <aprssig@lists.tapr.org>
Message-ID: <LYR842-56057-2002.01.09-00.07.39--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

If the price is right I could use two. I already have two Motorola FRS and a Etrex. If there is a NMEA output It could also be used for APRS on the ham bands for a tracker.

Bill Diaz wrote:

```
> Garmin has announced 2 GPS/FRS radios.
>
> http://www.garmin.com/products/rino/index.html
>
> There is no details on the data communications protocol but it seems that it may be proprietary.
>
> Bill KC9XG
>
> ---
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> Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org


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```

---

194. [aprssig] Re: Garmin announces GPS/FRS radio combination

From: "Wes Johnston" <kd4rdb@netzero.com>
Date: Wed, 9 Jan 2002 07:01:28 -0800
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-56132-2002.01.09-06.31.14--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

```
>From Garmin's web site:
Rino 110 and Rino 120. These GPS devices integrate radio functionality to
provide two-way communications up to two miles using FRS channels and up to
five miles using GMRS channels.
*********************************************

Hmmm.... the radio it would seem, knows to use high power on GMRS
frequencies.  I wonder if the "no auto tx on FRS" rule is in effect on GRMS
too?

Also, once we figure out the protocol, can we assume that aprs clients will
read it?  Great for search and rescue.

Tounge in cheek comment du jour: This is a great idea... somebody like
kenwood ought to make a HT like this!! <grin>

Wes


---
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```

---

195. [aprssig] Re: GARMIN COLORMAP STREETPILOT OR 176C?

From: Ken Brown <W2KB@compuserve.com>
Date: Wed, 9 Jan 2002 09:26:14 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-56143-2002.01.09-08.56.56--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

```
>> Subj:  [aprssig] GARMIN COLORMAP STREETPILOT OR 176C?
Chrg:  $0.00   Imp: Norm   Sens: Std    Receipt: No    Parts: 1


Trying to decide between these two color GPS units that both seem to
interface with the Kenwood D700. Any info would be appreciated.

Gun Steele WØGUN <<

Gun,

I have the D700 and Streetpilor Colormap.  They work find together *except*
that the Streetpilot Colormap does not have the capability of obtaining
waypoints (APRS stations) from the D700 and displaying them on the map.  It
is my understanding that the 176C *does* have this capability.  For at
least that reason, I would go with the 176C.

73,

---Ken         W2KB@ARRL.net      VC-NJ     KofC
```

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---

196. [aprssig] GPGGA SENTENCE

From: "Gustavo Carpignano" <gcarpi@ciudad.com.ar>
Date: Wed, 9 Jan 2002 11:35:38 -0300
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-56155-2002.01.09-09.32.22--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Hello,

Any soft for pic-e board to work with GPGGA sentence ?

Regards.

Gustavo, LW2DTZ

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---

197. [aprssig] PCsat GPS on.

From: Bob Bruninga <bruninga@usna.edu>
Date: Wed, 9 Jan 2002 10:13:41 -0500 (EST)
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-56157-2002.01.09-09.43.16--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

We turned on the PCsat GPS today for two passes, but on the second one, I screwed up the OFF command so it is staying on until the batteries discharge down to failsafe and or 9 Jan 1135z when I get a last chance to turn it off.

No big deal, but if you are capturing anything on the 144.83 downlink at 1200 baud, you may see $GPGGA sentences and if you are capturing anything on 144.39 at 9600 baud, you will get the MITEL data formats.

Either one we would love to have...

Of course if it is still running by 1135z I may just leave it on because that means we have enough sun power to keep it on...

de WB4APR@amsat.org, Bob

PCsat WEB page	http://www.ew.usna.edu/~bruninga/pcsat.html
ISS-APRS FAQ:	http://www.ew.usna.edu/~bruninga/iss-faq.html
CUBESAT Designs	http://www.ew.usna.edu/~bruninga/cubesat.html
APRS LIVE pages	http://www.ew.usna.edu/~bruninga/aprs.html
APRS SATELLITES	http://www.ew.usna.edu/~bruninga/astars.html
MIM/Mic-E/Mic-Lite	http://www.toad.net/~wclement/bruninga/mic-lite.html

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---

198. [aprssig] Re: Am I missing something

From: Keith Sproul <ksproul@rci.rutgers.edu>
Date: Wed, 9 Jan 2002 10:12:38 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: aprssig@tapr.org
Message-ID: <LYR842-56158-2002.01.09-09.44.39--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

The non-acking bug seems to be a weird state, although I have seen it, I have not been able to reproduce it reliably..

I will look into the objects via TCP/IP.

Keith

```
>On 1/8/02 11:41 AM, "Clark A. Lowry N7AAC" <N7AAC@aztenx.org> wrote:
>
>>  I am using MacAprs and I cannot see or send objects via tcp/ip. Is
>>  there an option I am overlooking?
>>
>
>I haven't had a chance to report it, but message acking appears broken in
>3.5.2 as well.
>
>Keith/Mark are you aware of some of these problems?
>
>Dennis,
>N2LBT
>
>
>---
>You are currently subscribed to aprssig as: KSPROUL@RCI.RUTGERS.EDU
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--
Keith Sproul    ksproul@rci.rutgers.edu         WU2Z
Student Housing Network Coordinator             732 445-3695 W
Rutgers University Computing Services

---
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```

199. [aprssig] Re: Garmin announces GPS/FRS radio combination

From: Keith Sproul <ksproul@rci.rutgers.edu>
Date: Wed, 9 Jan 2002 10:10:45 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: aprssig@tapr.org
Message-ID: <LYR842-56159-2002.01.09-09.44.49--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

```
Yes, we will be wanting to support this in WinAPRS/MacAPRS/X-APRS.
But I don't expect that a normal TNC will be able to read it..

>
>Also, once we figure out the protocol, can we assume that aprs clients will
>read it?  Great for search and rescue.
>

--
Keith Sproul    ksproul@rci.rutgers.edu         WU2Z
Student Housing Network Coordinator             732 445-3695 W
Rutgers University Computing Services

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```

200. [aprssig] Re: Am I missing something

From: Ernst Niggli <niggli@pyl.unibe.ch>
Date: Wed, 09 Jan 2002 16:44:31 +0100
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-56165-2002.01.09-10.14.59--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

```
Hello Keith


Could this problem be related to my (and others) earlier reports that
MacAPRS 3.5.2. seems to behave as a one-way street under Open-Transport
as far as the TCP/IP ports and IGATE function are concerned?

Good to see that you are still working on MacAPRS.

I wish you a Happy New Year

--
Ernst  HB9PVI

WWW:
```

```
http://beam.to/HB9PVI

>>  I am using MacAprs and I cannot see or send objects via tcp/ip. Is
>>  there an option I am overlooking?

> The non-acking bug seems to be a weird state, although I have seen
>it, I have not been able to reproduce it reliably..

> I will look into the objects via TCP/IP.



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```

---

201. [aprssig] Re: [amsat-bb] PCsat GPS on.

From: Bob Bruninga <bruninga@usna.edu>
Date: Wed, 9 Jan 2002 10:50:24 -0500 (EST)
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-56168-2002.01.09-10.20.05--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

```
ARGH, TYPO!  Make that
 145.83 downlink of $GPGGA at 1200 baud evry 30 sec
 144.39 is MITEL data at 9600 baud every 30 seconds

On Wed, 9 Jan 2002, Bob Bruninga wrote:

> No big deal, but if you are capturing anything on the 144.83 downlink at
> 1200 baud, you may see $GPGGA sentences and if you are capturing anything
> on 144.39 at 9600 baud, you will get the MITEL data formats.
>
> Either one we would love to have...
>
> Of course if it is still running by 1135z I may just leave it on because
> that means we have enough sun power to keep it on...
>
> de WB4APR@amsat.org, Bob
>
> PCsat WEB  page     http://www.ew.usna.edu/~bruninga/pcsat.html
> ISS-APRS FAQ:       http://www.ew.usna.edu/~bruninga/iss-faq.html
> CUBESAT Designs     http://www.ew.usna.edu/~bruninga/cubesat.html
> APRS LIVE pages     http://www.ew.usna.edu/~bruninga/aprs.html
> APRS SATELLITES     http://www.ew.usna.edu/~bruninga/astars.html
> MIM/Mic-E/Mic-Lite  http://www.toad.net/~wclement/bruninga/mic-lite.html
>
> ----
> Via the amsat-bb mailing list at AMSAT.ORG courtesy of AMSAT-NA.
> To unsubscribe, send "unsubscribe amsat-bb" to Majordomo@amsat.org
>

de WB4APR@amsat.org, Bob

PCsat WEB  page     http://www.ew.usna.edu/~bruninga/pcsat.html
ISS-APRS FAQ:       http://www.ew.usna.edu/~bruninga/iss-faq.html
CUBESAT Designs     http://www.ew.usna.edu/~bruninga/cubesat.html
APRS LIVE pages     http://www.ew.usna.edu/~bruninga/aprs.html
APRS SATELLITES     http://www.ew.usna.edu/~bruninga/astars.html
MIM/Mic-E/Mic-Lite  http://www.toad.net/~wclement/bruninga/mic-lite.html



---
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```

---

202. [aprssig] Re: GARMIN COLORMAP STREETPILOT OR 176C?

From: "Clark A. Lowry N7AAC" <clark@wd.org>
Date: Wed, 9 Jan 2002 08:58:35 -0700
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: APRS Special Intrest Group <aprssig@lists.tapr.org>
Message-ID: <LYR842-56171-2002.01.09-10.28.31--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

```
One important thing I rarely see listed here is that some GPSs only
have NMEA out (Street Pilot family) and others both send and receive
NMEA (Marine Units). If you want received position reports to create
waypoints on your GPS you will want to make sure you can do both.
```

Automatic waypoint creation comes in real handy when you are tracking
a moving object like another land or maritime mobile or a balloon.
The waypoint of the moving object will update every time you receive
a beacon. Cool.

Most GPS unites marketed to the automotive/sportsman market do not
include this ability. GPSs marketed to the Marine and Aviation users
need to be able to communicate with a host of other devices
(autopilots, plotters, radar. etc.) and thus implement the full NMEA
standard.

I can't point you a color GPS that will do this, but if you dig down
into the specs of the units you are interested in you will find out.

> >> Subj: [aprssig] GARMIN COLORMAP STREETPILOT OR 176C?
>Chrg: $0.00   Imp: Norm   Sens: Std   Receipt: No   Parts: 1
>
>
>Trying to decide between these two color GPS units that both seem to
>interface with the Kenwood D700. Any info would be appreciated.
>

---

203. [aprssig] NWS warning zones and Radar map overlay problem

From: "Brian Webster" <radiowebst@yahoo.com>
Date: Wed, 9 Jan 2002 11:27:41 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-56173-2002.01.09-10.53.27--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

List:
I know this was brought up a long time ago but I don't remember if there
was any resolution. In winaprs was there ever a fix to keep the county
warning areas from staying as the top layer on the radar map/ intelicast
images. During the last snow storm it was impossible to see the radar within
aprs because the county warnings colored in that area of the map over top of
the radar data.

Thank you,
Brian N2KGC

____

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---

204. [aprssig] RE: GARMIN COLORMAP STREETPILOT OR 176C?

From: "James Fuller" <n7vmr@fuller.net>
Date: Wed, 9 Jan 2002 09:32:31 -0700
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: "Gun Steele" <synerco@dodgecity.net>
Message-ID: <LYR842-56177-2002.01.09-10.59.50--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Please be careful on the version of StreetPilot you get.
I had a unfortunate experiance that the StreetPilot Colormap would
not accept data from the D7. Garmin manual stated it would,
but the factory support stated it was not designed to. They
indicated that the StreetPilot III is the only one capable
of interface with other NEMA devices.

Jim Fuller
N7VMR
Montana Section Emergency Coordinator
International Gateways Robot Operator

-----Original Message-----
From: bounce-aprssig-25879@lists.tapr.org

```
[mailto:bounce-aprssig-25879@lists.tapr.org]On Behalf Of Gun Steele
Sent: Tuesday, January 08, 2002 1:30 PM
To: TAPR APRS Special Interest Group
Subject: [aprssig] GARMIN COLORMAP STREETPILOT OR 176C?


Trying to decide between these two color GPS units that both seem to
interface with the Kenwood D700. Any info would be appreciated.

Gun Steele WØGUN
SYNERCO


---
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```

---

205. [aprssig] Re: MMSN APRS

From: Bob Bruninga <bruninga@usna.edu>
Date: Wed, 9 Jan 2002 11:33:19 -0500 (EST)
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: TAPR APRS Special Interest Group <aprssig@tapr.org>
Message-ID: <LYR842-56178-2002.01.09-11.03.22--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

```
On Wed, 9 Jan 2002, Clark A. Lowry N7AAC wrote:

> For maritime mobiles we would like to create objects that include
> both pos/speed/dir and observed local weather of the reporting /mm.
> In Mac/WinAPRS and APRS+SA I see is no way to include both types of
> information. Can this be done using APRSdos?

Yes, The Sprouls came up with a positionless WX format, but APRSdos uses
the  original "complete" format that includes both the position and WX
data in  a single packet (that can still be shorter than their
positionless WX).

But unfortunately the "complete" format cannot report the station's COURSE
and SPEED.

But the END of the WX format is not explicitly defined.  So any info stuck
on  the end could be formatted to add the boats CSE/SPD.  But it wouild
take a  lot of testing to see if such a format was still readable by all
of the  various APRS programs out there.  APRSdos would have no problems
with it.

Lemme think about it and see if we can come up with a way to add it...
without breaking anything...

de WB4APR, bob



---
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---

206. [aprssig] PCsat

From: Bob Bruninga <bruninga@usna.edu>
Date: Wed, 9 Jan 2002 11:54:34 -0500 (EST)
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-56187-2002.01.09-11.24.11--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

```
PCsat GPS remained on for a full orbit and volts remained above 15.6 or
1.3 volts per cell.  THus we 'may' be able to  LEAVE IT ON WORLDWIDE for
a while?  I left it on to see what happens next...

So watch for TELEMETRY of 00011111 where the 3rd 0 means the GPS is on
and:
```

$GPGGA sentences every 30 sec from W3ADO-1 on 145.83 1200 bd
MITEL data packets evy 30 sec from PCSAT-11 on 144.39 9600 bd

de WB4APR@amsat.org, Bob

PCsat WEB page   http://www.ew.usna.edu/~bruninga/pcsat.html

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207. [aprssig] Re: COLORMAP STREETPILOT OR 176C?

From: "Gun Steele" <synerco@dodgecity.net>
Date: Wed, 9 Jan 2002 11:11:57 -0600
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-56189-2002.01.09-11.41.12--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Ken,
    That is the kind of info that will influence my choice. Thanks; and can
anyone confirm that the 175C will in fact accept the D700 data?

Gun WØGUN
----- Original Message -----
From: "Ken Brown" <W2KB@compuserve.com>
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Sent: Wednesday, January 09, 2002 8:26 AM
Subject: [aprssig] Re: GARMIN COLORMAP STREETPILOT OR 176C?

> >> Subj: [aprssig] GARMIN COLORMAP STREETPILOT OR 176C?
> Chrg: $0.00   Imp: Norm   Sens: Std   Receipt: No   Parts: 1
>
>
> Trying to decide between these two color GPS units that both seem to
> interface with the Kenwood D700. Any info would be appreciated.
>
> Gun Steele WØGUN <<
>
> Gun,
>
> I have the D700 and Streetpilor Colormap. They work find together
except
> that the Streetpilot Colormap does not have the capability of obtaining
> waypoints (APRS stations) from the D700 and displaying them on the map.
It
> is my understanding that the 176C *does* have this capability. For at
> least that reason, I would go with the 176C.
>
> 73,
>
> ---Ken   W2KB@ARRL.net   VC-NJ   KofC
>
> ---
> You are currently subscribed to aprssig as: w0gun@qsl.net
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> Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

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208. [aprssig] Re: GPGGA SENTENCE

From: "Curt Mills, WE7U" <hacker@tc.fluke.com>
Date: Wed, 9 Jan 2002 09:24:28 -0800 (PST)
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: TAPR APRS Special Interest Group <aprssig@lists.tapr.org>
Message-ID: <LYR842-56193-2002.01.09-11.54.27--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

On Wed, 9 Jan 2002, Gustavo Carpignano wrote:

> Any soft for pic-e board to work with GPGGA sentence ?

Not sure, but the Tinytrak-1 and Tinytrak-2 (PIC based) do work with
GPGGA sentences.

Curt Mills, WE7U   hacker.NO_*SPAM@tc.fluke.com
Senior Methods Engineer/SysAdmin
"Lotto: A tax on people who are bad at math." -- unknown
"Windows: Microsoft's tax on computer illiterates." -- WE7U

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---

209. [aprssig] New items at RS for Palm to GPS

From: "Mike Yetsko" <myetsko@insydesw.com>
Date: Wed, 9 Jan 2002 12:30:06 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-56194-2002.01.09-11.59.25--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

I just went in to RS to pick up one of those switches you plug into the
sound
card that gives you 'one button' changing from PC speakers or to a
telephone headset, and right next to them on the wall were cable sets
for various Palms. These are sold as 'HotSync' cables, but who cares.
They all had female DB-9s for plugging into a laptop, but you could either
make up your own GPS to male DB-9 cable, or a double male to connect
the two.

In any case, it's now a simple way to get GPS data to various Palms or
handhelds.

Mike

---
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---

210. [aprssig] Re: GPGGA SENTENCE

From: "Craig Brunson" <Brunson1@gte.net>
Date: Wed, 9 Jan 2002 09:31:51 -0800
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-56195-2002.01.09-12.01.36--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Just the TinyTrak-II, not the original TinyTrak will work with GPGGA
(altitude information).

N7TSZ

----- Original Message -----
From: "Curt Mills, WE7U" <hacker@tc.fluke.com>
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Sent: Wednesday, January 09, 2002 9:24 AM
Subject: [aprssig] Re: GPGGA SENTENCE

> On Wed, 9 Jan 2002, Gustavo Carpignano wrote:
>
> > Any soft for pic-e board to work with GPGGA sentence ?
>
> Not sure, but the Tinytrak-1 and Tinytrak-2 (PIC based) do work with
> GPGGA sentences.
>
> Curt Mills, WE7U   hacker.NO_*SPAM@tc.fluke.com
> Senior Methods Engineer/SysAdmin
> "Lotto: A tax on people who are bad at math." -- unknown
> "Windows: Microsoft's tax on computer illiterates." -- WE7U
>
>
> ---
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>
>


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```

211. [aprssig] Re: GARMIN COLORMAP STREETPILOT OR 176C?

```
From: "Gun Steele" <synerco@dodgecity.net>
Date: Wed, 9 Jan 2002 11:39:50 -0600
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: "APRS Special Intrest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-56197-2002.01.09-12.09.18--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain
```

```
[aprssig] Re: GARMIN COLORMAP STREETPILOT OR 176C?Clark,
    I could never get my Magellan Map410 to accept any data and that was one of the reasons (plus the
vertical handheld form factor didn't lend itself to locating in the driver's view) I started looking for
 another device. Thanks for the heads up as I am also finding that the marine units seem to be more
likely to offer this feature.

Gun WØGUN
  ----- Original Message -----
  From: Clark A. Lowry N7AAC
  To: TAPR APRS Special Interest Group
  Cc: APRS Special Intrest Group
  Sent: Wednesday, January 09, 2002 9:58 AM
  Subject: [aprssig] Re: GARMIN COLORMAP STREETPILOT OR 176C?




  One important thing I rarely see listed here is that some GPSs only have NMEA out (Street Pilot
family) and others both send and receive NMEA (Marine Units). If you want received position reports to
create waypoints on your GPS you will want to make sure you can do both. Automatic waypoint creation
comes in real handy when you are tracking a moving object like another land or maritime mobile or a
balloon. The waypoint of the moving object will update every time you receive a beacon. Cool.


  Most GPS unites marketed to the automotive/sportsman market do not include this ability. GPSs marketed
 to the Marine and Aviation users need to be able to communicate with a host of other devices
(autopilots, plotters, radar. etc.) and thus implement the full NMEA standard.


  I can't point you a color GPS that will do this, but if you dig down into the specs of the units you
are interested in you will find out.


    >> Subj:  [aprssig] GARMIN COLORMAP STREETPILOT OR 176C?
    Chrg:  $0.00   Imp: Norm   Sens: Std    Receipt: No    Parts: 1


    Trying to decide between these two color GPS units that both seem to
    interface with the Kenwood D700. Any info would be appreciated.
```

212. [aprssig] Re: GARMIN COLORMAP STREETPILOT OR 176C?

```
From: "Gun Steele" <synerco@dodgecity.net>
Date: Wed, 9 Jan 2002 11:44:39 -0600
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-56198-2002.01.09-12.14.23--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain
```

```
James,
    This question popped up last night before I placed an eBay bid on the
StreetPilot Colormap. Can anyone confirm whether the talking StreetPilot III
(or the 176C) will respond to the D700 data, so I can finally make a choice!

Gun WØGUN
----- Original Message -----
From: "James Fuller" <n7vmr@fuller.net>
To: "APRS SIG" <aprssig@lists.tapr.org>
Cc: "Gun Steele" <synerco@dodgecity.net>
Sent: Wednesday, January 09, 2002 10:32 AM
Subject: RE: [aprssig] GARMIN COLORMAP STREETPILOT OR 176C?


> Please be careful on the version of StreetPilot you get.
> I had a unfortunate experiance that the StreetPilot Colormap would
> not accept data from the D7. Garmin manual stated it would,
> but the factory support stated it was not designed to. They
> indicated that the StreetPilot III is the only one capable
> of interface with other NEMA devices.
>
> Jim Fuller
> N7VMR
> Montana Section Emergency Coordinator
> International Gateways Robot Operator
>
> -----Original Message-----
> From: bounce-aprssig-25879@lists.tapr.org
> [mailto:bounce-aprssig-25879@lists.tapr.org]On Behalf Of Gun Steele
> Sent: Tuesday, January 08, 2002 1:30 PM
> To: TAPR APRS Special Interest Group
> Subject: [aprssig] GARMIN COLORMAP STREETPILOT OR 176C?
>
>
> Trying to decide between these two color GPS units that both seem to
> interface with the Kenwood D700. Any info would be appreciated.
>
> Gun Steele WØGUN
> SYNERCO
>
>
> ---
> You are currently subscribed to aprssig as: n7vmr@fuller.net
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---

213. [aprssig] Re: PCsat

From: Alex <kr1st@amsat.org>
Date: Wed, 09 Jan 2002 13:05:12 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-56201-2002.01.09-12.34.50--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

```
Bob Bruninga wrote:

> $GPGGA sentences every 30 sec from W3ADO-1  on 145.83 1200 bd
> MITEL data packets evy 30 sec from PCSAT-11 on 144.39 9600 bd

Why isn't it $GPGGA/1200bd on 144.39 and MITEL/9600bd on 145.83?

73s,
--Alex

---
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---

214. [aprssig] CQ KD7MJC

From: Alex <kr1st@amsat.org>
Date: Wed, 09 Jan 2002 13:09:24 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-56203-2002.01.09-12.39.04--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

```
Could you please contact me off list.

73s,
--Alex

---
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---

215. [aprssig] Re: New items at RS for Palm to GPS

From: "Mike Yetsko" <myetsko@insydesw.com>
Date: Wed, 9 Jan 2002 13:12:24 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-56205-2002.01.09-12.46.04--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Well, yes, there could be a lot of 'gotchas' on this. But since the big
complaint here in previous weeks was NOT the interfacing, but finding
a cable/connector that just plain 'attached' to the Palm, I figured the
post would be of interest.

Mike

----- Original Message -----
From: "Curt Mills, WE7U" <hacker@tc.fluke.com>

> On Wed, 9 Jan 2002, Mike Yetsko wrote:
>
> > and right next to them on the wall were cable sets
> > for various Palms. These are sold as 'HotSync' cables, but who cares.
> > They all had female DB-9s for plugging into a laptop, but you could
either
> > make up your own GPS to male DB-9 cable, or a double male to connect
> > the two.
> >
> > In any case, it's now a simple way to get GPS data to various Palms or
> > handhelds.
>
> Define "simple". I'm not sure whether they have ones for the
> Handspring line of PDA's, but here's a gotcha to watch out for: The
> Handspring serial cradle gets it's power from handshake lines coming
> out of the PC. If you try to hook it directly to a GPS via suitable
> cables/adapters, it won't work. You have to supply power to one of
> two handshake lines in order to power up the chip inside the cradle.
>
> Cables that provide RS-232 out of a Visor also need this power. Some
> of them get it from the PC side, some of them from the Visor itself
> (which really sucks down your batteries quickly).
>
> Find out how to power the thing before you term it a "simple" solution.
>
> For my cradle, I made up a DE9 -to DE-9 adapter that has a resistor
> inside and 9V battery leads coming out. Using that I can hook my Visor
> to my Picopacket or GPS.
>
> markspace.com has various types of cables for hooking up Palm's and
> Handsprings to serial devices. I've been intending to buy one of
> those but haven't gotten around to it yet.
>
> Curt Mills, WE7U   hacker.NO_*SPAM@tc.fluke.com
> Senior Methods Engineer/SysAdmin
> "Lotto: A tax on people who are bad at math." -- unknown
> "Windows: Microsoft's tax on computer illiterates." -- WE7U
>
>

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Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

216. [aprssig] Re: GARMIN COLORMAP STREETPILOT OR 176C?

From: "Clark A. Lowry N7AAC" <clark@wd.org>
Date: Wed, 9 Jan 2002 11:57:41 -0700
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: APRS Special Intrest Group <aprssig@lists.tapr.org>
Message-ID: <LYR842-56208-2002.01.09-13.27.35--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Street Pilot no. NMEA out only.

176map (marine version) yes (I think)

>James,
>   This question popped up last night before I placed an eBay bid on the
>StreetPilot Colormap. Can anyone confirm whether the talking StreetPilot III
>(or the 176C) will respond to the D700 data, so I can finally make a choice!

```
>

---
You are currently subscribed to aprssig as: lyris.aprssig@tapr.org
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Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org
```

217. [aprssig] Re: Garmin announces GPS/FRS radio combination

From: Jeff King <jeff@aerodata.net>
Date: Wed, 09 Jan 2002 14:10:49 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: TAPR APRS Special Interest Group <aprssig@lists.tapr.org>
Message-ID: <LYR842-56210-2002.01.09-13.40.37--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

```
Wes Johnston wrote:


> Hmmm.... the radio it would seem, knows to use high power on GMRS
> frequencies.  I wonder if the "no auto tx on FRS" rule is in effect on GRMS
> too?


Don't know about that, but no data is allowed on GMRS so wonder how they got
around that one?


> Tounge in cheek comment du jour: This is a great idea... somebody like
> kenwood ought to make a HT like this!! <grin>


Your kidding right? (and I am assuming that is what the Tounge and Cheek means ;-)
Garmin actually provides customer flash updates for all their products.... no need
to pay $$$ to fix their bugs and oversights.

-Jeff

|----------------------------------------------------------------------|
| Jeff King   248-471-1787  F 248-471-0279 e-mail: jeff@aerodata.net     |
|                                                                      |
| "They that give up essential liberty to obtain a little temporary safety|
| deserve neither liberty nor safety."  -- Benjamin Franklin, 1759       |
|----------------------------------------------------------------------|



---
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```

218. [aprssig] RE: GPS Blackout

From: Jeff Reinhardt <jreinh@ix.netcom.com>
Date: Wed, 09 Jan 2002 12:09:03 -0800
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-56213-2002.01.09-14.39.02--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

```
Interesting story posted on CNN web page today; says GPS jamming
equipment is being shipped out of Russia.

http://www.cnn.com/2002/US/01/08/ret.gps.terror/index.html

Jeff Reinhardt AA6JR

---
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```

219. [aprssig] RE: GPS Blackout

From: "Timothy J. Salo" <salo@saloits.com>
Date: Wed, 9 Jan 2002 14:43:50 -0600 (CST)
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-56217-2002.01.09-15.23.01--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

```
> Date: Wed, 09 Jan 2002 12:09:03 -0800
> From: Jeff Reinhardt <jreinh@ix.netcom.com>
```

> Subject: [aprssig] RE: GPS Blackout
>
> Interesting story posted on CNN web page today; says GPS jamming
> equipment is being shipped out of Russia.

Rome Labs apparently inadvertently "experimented" with this "technology" a few years back. (They seemed to be pretty embarassed about the whole thing.)

-tjs

http://www.samurai.com/lists/trawler-world-old/1998/10/1210.html

http://catless.ncl.ac.uk/Risks/19.74.html#subj5

http://www.irbs.com/lists/live-aboard/9801/0522.html

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---

220. [aprssig] HELP!

From: k9soa@att.net
Date: Wed, 09 Jan 2002 22:30:39 +0000
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-56233-2002.01.09-17.00.12--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Just trying to get started with APRS and don't think I have something set up just right.

Garmin eMap set to NEMA 4800, connected to TinyTrakII, to a Yaesu FT-2600M.

Sounds like data is going out every 2 minutes like I have it set to for testing but checking on findu.com, I don't show up. I hear it on a receiver in the house with the system running in the drive. How can I check to see if it is sending out the right stuff?

Have tried to contact the two local APRS calls I do see locally but no response so far.

The GPS does work fine on a portable and DeLorme Street Atlas Deluxe. Drove all the way from Louisville KY to just south of Gary and the map was right on the button.

Was hoping to get it going before I make the same trip this saturday but doesn't look like I will make it without some help.

Thanks for any help.

--
Don

www.k9soa.net (EM77EX)

Home of "JEANNIE"
The House That Listens

As appeared on HGTV's
Dream Builder show

Featured Home of the Month
Upcoming Feb 2002 issue
Home Automation Magazine

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221. [aprssig] PCsat Satgates

From: Bob Bruninga <bruninga@usna.edu>
Date: Wed, 9 Jan 2002 17:46:06 -0500 (EST)
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-56236-2002.01.09-17.15.50--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

```
TOday we turned on GPS, but have not seen a single $GPGGA sentence from
PCsat via the Internet feed.  But we have seen them on RF. Seems that
there were no  SATGATES monitoring 145.830 in the USA today except maybe
florida?  We  only got a small number of packets near LOS and only the SE
USA was in the footprint then.

We do see some 145.83 data ofver europe, bust strangely, no $GPGGA's...

If you operate a satgate in the USA listening to 145.830 downlink, could
you check your system and make sure it is still up?  During a pass, I am
capturing 9600 baud data on 144.39 and I cannot simultaneousely be
monitoring 145.83 to see if the $GPGGA are coming down..

de WB4APR@amsat.org, Bob

PCsat WEB  page     http://www.ew.usna.edu/~bruninga/pcsat.html
ISS-APRS FAQ:       http://www.ew.usna.edu/~bruninga/iss-faq.html
CUBESAT Designs     http://www.ew.usna.edu/~bruninga/cubesat.html
APRS LIVE pages     http://www.ew.usna.edu/~bruninga/aprs.html
APRS SATELLITES     http://www.ew.usna.edu/~bruninga/astars.html
MIM/Mic-E/Mic-Lite  http://www.toad.net/~wclement/bruninga/mic-lite.html


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```

222. [aprssig] Re: PCsat Satgates

From: Jeff King <jeff@aerodata.net>
Date: Wed, 09 Jan 2002 17:57:57 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: TAPR APRS Special Interest Group <aprssig@lists.tapr.org>
Message-ID: <LYR842-56237-2002.01.09-17.28.39--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

```
Bob Bruninga wrote:

> I am
> capturing 9600 baud data on 144.39 and I cannot simultaneousely be
> monitoring 145.83 to see if the $GPGGA are coming down..


Did I mis-read this? Are you stating PC-SAT is sending 9600bps FSK data
on 144.39 which is a 1200 baud AFSK frequency?

(If yes, <techical scolding deleted> as they cart me off to the packet radio
funny farm)

-Jeff


|-------------------------------------------------------------------------|
| Jeff King   248-471-1787  F 248-471-0279 e-mail: jeff@aerodata.net      |
|                                                                         |
| "They that give up essential liberty to obtain a little temporary safety|
| deserve neither liberty nor safety."  -- Benjamin Franklin, 1759        |
|-------------------------------------------------------------------------|



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```

223. [aprssig] Re: GPGGA SENTENCE

From: "Curt Mills, WE7U" <hacker@tc.fluke.com>
Date: Wed, 9 Jan 2002 09:44:48 -0800 (PST)
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: TAPR APRS Special Interest Group <aprssig@lists.tapr.org>

Message-ID: <LYR842-56239-2002.01.09-17.59.31--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

```
On Wed, 9 Jan 2002, Craig Brunson wrote:

> Just the TinyTrak-II, not the original TinyTrak will work with GPGGA
> (altitude information).

I have an original TinyTrak that _does_ work with GPGGA.  I have it
coupled to a Trimble SV6 GPS board (through an inverting transistor),
which only puts out GPGGA and GPVTG sentences.  It might have been a
later edition of the TT-1 though.  I remember requesting support for
GPGGA sentences from Byon.

Curt Mills, WE7U                        hacker.NO_*SPAM@tc.fluke.com
Senior Methods Engineer/SysAdmin
"Lotto:    A tax on people who are bad at math." -- unknown
"Windows:  Microsoft's tax on computer illiterates." -- WE7U


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---

224. [aprssig] Re: HELP

From: WA8LMF2@aol.com
Date: Wed, 9 Jan 2002 18:34:43 EST
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: k9soa@att.net
Message-ID: <LYR842-56240-2002.01.09-18.04.24--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

```
In a message dated 1/9/2002 2:32:46 PM Pacific Standard Time, k9soa@att.net
writes:

> Sounds like data is going out every 2 minutes like I
>  have it set to for testing but checking on findu.com, I
>  don't show up.  I hear it on a receiver in the house
>  with the system running in the drive.  How can I check
>  to see if it is sending out the right stuff?
>

This query seems to be repeated (and answered) about once a week here or on
the TT list.

Just because you transmit doesn't guarantee you will automatically get into
findu.
1)  Your signal must be transmitted with a proper APRS format.
2)  It must be picked up by a station with an Internet connection ( "Igate"
-- Internet Gateway")  You must then hope the Igate is properly configured,
is not mangling your data packets,  and is actually transferring your packets
to one of the APRS servers that in turn communicate with findu.com.  Some
Igate software will now aggressively filter incoming data and NOT PASS it
along to the Internet if the formatting is incorrect.
3)  If there is not an Igate station within direct range of you, you will
need to depend on APRS digipeaters to relay your packets several hops via RF
before reaching an Internet-connected station.
4)  You must have the proper digipeater path set into your transmisssions
(optimum path varies arounds the US) to insure that you actually do get
digipeated enough times to reach an Igate

To verify you are actually transmitting a readable packet, monitor
off-the-air with an ordinary TNC and and any terminal program running on a
PC.  You don't need a specialized APRS program to merely monitor the
transmitted one-line packet messages sent by APRS devices.    If you don't
have a "real" (hardware) TNC handy, feed the receiver audio into your PC
soundcard line-input,  and use the AGW Packet Engine freeware soundcard
software TNC and a web browser to monitor.

Stephen H. Smith                   wa8lmf @ aol.com
Home Page:
http://members.aol.com/wa8lmf
Ham Radio/Mobile SSTV page:     http://members.aol.com/wa8lmf/ham
APRS Stuff
http://members.aol.com/wa8lmf/aprs
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225. [aprssig] TT II

From: "Joe Della Barba" <joe@dellabarba.com>
Date: Wed, 9 Jan 2002 18:33:13 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-56241-2002.01.09-18.04.44--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

```
My TT II will NOT achieve connection with my computer, but does pick up the
GPS signal.
Any ideas? I checked all the obvious stuff.
Thanks,
Joe
N3HGB


---
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```

226. [aprssig] Re: TT II

From: Robbie Robertson <mwrobertson@attbi.com>
Date: Wed, 09 Jan 2002 17:53:40 -0600
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: TAPR APRS Special Interest Group <aprssig@lists.tapr.org>
Message-ID: <LYR842-56247-2002.01.09-18.22.39--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

```
Try reversing the txd and rxd lines of the computer... (cable,
:-) )

I added another db9 so I could do both without disconnecting
anything..

Robbie

Joe Della Barba wrote:
>
> My TT II will NOT achieve connection with my computer, but does pick up the
> GPS signal.
> Any ideas? I checked all the obvious stuff.
> Thanks,
> Joe
> N3HGB
>
> ---
> You are currently subscribed to aprssig as: mwrobertson@attbi.com
> To unsubscribe send a blank email to leave-aprssig-842K@lists.tapr.org
> Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

--

- Robbie Robertson -
...-.- wa9inf ...-.-

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227. [aprssig] Re: Sometimes There's a Timestamp....

From: "Ken Patterson" <kenp@etex.net>
Date: Wed, 9 Jan 2002 21:15:31 -0600
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-56274-2002.01.09-21.45.07--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Well, since I did not receive a reply with the first posting of my question,
here it is again.

Why does some of my position reports listed at findu.com show what looks
like a timestamp (@xxxxxxz) & some do not?

http://www.findu.com/cgi-bin/rawposit.cgi?call=n5eqt-7&start=500&length=500

Regards,
Ken Patterson
N5EQT
EM22 - Texas

----- Original Message -----
From: "Ken Patterson" <kenp@etex.net>
To: "TAPR APRS Special Interest Group" <aprssig>
Sent: Sunday, January 06, 2002 12:11 PM
Subject: [aprssig] Sometimes There's a Timestamp....

> Good day all.
>
> Why does some of my position reports listed at findu.com show what looks
> like a timestamp (@xxxxxxz) & some do not?
>
>
http://www.findu.com/cgi-bin/rawposit.cgi?call=n5eqt-7&start=500&length=500
>
> If it is because I-gates add the timestamp, would someone here post which
> versions of I-gate software do & do not add the timestamps. I am
interested
> in placing an I-gate online somewhere near my APRS forsaken QTH & this is
a
> feature I would like to include.
>
> Regards,
> Ken
> N5EQT
> EM22 - Texas
>
>
> ---
> You are currently subscribed to aprssig as: kenp@etex.net
> To unsubscribe send a blank email to leave-aprssig-842K@lists.tapr.org
> Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org
>
>

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---

228. [aprssig] Re: GPGGA SENTENCE

From: "Curt Mills, WE7U" <hacker@tc.fluke.com>
Date: Wed, 9 Jan 2002 09:49:36 -0800 (PST)
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: TAPR APRS Special Interest Group <aprssig@lists.tapr.org>
Message-ID: <LYR842-56276-2002.01.09-21.59.34--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

On Wed, 9 Jan 2002, Craig Brunson wrote:

> Just the TinyTrak-II, not the original TinyTrak will work with GPGGA
> (altitude information).

Now that I re-read this, I'm not sure whether the TT-1 will put out
altitude. I don't think it does. I wasn't interested in altitude at
the time. I needed the TT-1 to transmit lat/lon using only GPGGA
sentences for input, and mine can do that. For GPS's that don't put
out GPRMC it's important to parse the lat/lon from GPGGA.

Curt Mills, WE7U   hacker.NO_*SPAM@tc.fluke.com
Senior Methods Engineer/SysAdmin
"Lotto: A tax on people who are bad at math." -- unknown
"Windows: Microsoft's tax on computer illiterates." -- WE7U

```
---
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```

229. [aprssig] Re: New items at RS for Palm to GPS

```
From: "Curt Mills, WE7U" <hacker@tc.fluke.com>
Date: Wed, 9 Jan 2002 09:55:26 -0800 (PST)
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: TAPR APRS Special Interest Group <aprssig@lists.tapr.org>
Message-ID: <LYR842-56277-2002.01.09-21.59.36--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain
```

```
On Wed, 9 Jan 2002, Mike Yetsko wrote:

> and right next to them on the wall were cable sets
> for various Palms.  These are sold as 'HotSync' cables, but who cares.
> They all had female DB-9s for plugging into a laptop, but you could either
> make up your own GPS to male DB-9 cable, or a double male to connect
> the two.
>
> In any case, it's now a simple way to get GPS data to various Palms or
> handhelds.

Define "simple".  I'm not sure whether they have ones for the
Handspring line of PDA's, but here's a gotcha to watch out for:  The
Handspring serial cradle gets it's power from handshake lines coming
out of the PC.  If you try to hook it directly to a GPS via suitable
cables/adapters, it won't work.  You have to supply power to one of
two handshake lines in order to power up the chip inside the cradle.

Cables that provide RS-232 out of a Visor also need this power.  Some
of them get it from the PC side, some of them from the Visor itself
(which really sucks down your batteries quickly).

Find out how to power the thing before you term it a "simple" solution.

For my cradle, I made up a DE9 -to DE-9 adapter that has a resistor
inside and 9V battery leads coming out.  Using that I can hook my Visor
to my Picopacket or GPS.

markspace.com has various types of cables for hooking up Palm's and
Handsprings to serial devices.  I've been intending to buy one of
those but haven't gotten around to it yet.

Curt Mills, WE7U                        hacker.NO_*SPAM@tc.fluke.com
Senior Methods Engineer/SysAdmin
"Lotto:    A tax on people who are bad at math." -- unknown
"Windows:  Microsoft's tax on computer illiterates." -- WE7U


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```

230. [aprssig] Re: New items at RS for Palm to GPS

```
From: "Curt Mills, WE7U" <hacker@tc.fluke.com>
Date: Wed, 9 Jan 2002 10:18:46 -0800 (PST)
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: TAPR APRS Special Interest Group <aprssig@lists.tapr.org>
Message-ID: <LYR842-56278-2002.01.09-21.59.47--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain
```

```
On Wed, 9 Jan 2002, Mike Yetsko wrote:

> Well, yes, there could be a lot of 'gotchas' on this.  But since the big
> complaint here in previous weeks was NOT the interfacing, but finding
> a cable/connector that just plain 'attached' to the Palm, I figured the
> post would be of interest.

Very much of interest!  Just didn't want a bunch of people wondering
why their new RS cable didn't work for the intended application.

Going in with more information they can get what they want, and it'll
work.

It's definitely nice finding a new source of cables.  I might have to
swing by one of the 4 RS stores on my way home and see if they have
```

something that would fit mine.

Curt Mills, WE7U hacker.NO_*SPAM@tc.fluke.com
Senior Methods Engineer/SysAdmin
"Lotto: A tax on people who are bad at math." -- unknown
"Windows: Microsoft's tax on computer illiterates." -- WE7U

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---

231. [aprssig] Re: Sometimes There's a Timestamp....

From: Bill Diaz <billdiaz@megsinet.net>
Date: Wed, 9 Jan 2002 20:48:20 -0600
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-56283-2002.01.09-22.16.49--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Ken,
AFAIK, Findu cannot decode the Mic-E positons and must relay on IGATES
to convert the raw data to a readable format.

The timestamp that is added by some IGATEs may be grossly incorrect. It
is the IGATES notion of the time and that can be hours off. Multiple
IGATES can convert the same message and the times will likely vary quite a
bit.

The differences in the timestamps can result in multiple packets being
generated that appear to be different, but were in fact converted from the
same Mic-E packet.

Many of the IGATES have been eliminating the timestamp for this reason.

Some IGATES also do not correctly convert the latitude and longitude. If
you are viewing a track of a Mic-E unit you may have noticed that at times
you will see small excursions from the actual route. Kinda like a sawtooth
track at times. This is not the fault of the tracker, but is the fault of
the IGATE that converted the data.

HTH.

Bill KC9XG

On Wednesday, January 09, 2002 21:16, Ken Patterson [SMTP:kenp@etex.net]
wrote:
> Well, since I did not receive a reply with the first posting of my
question,
> here it is again.
>
> Why does some of my position reports listed at findu.com show what looks
> like a timestamp (@xxxxxxz) & some do not?
>
>
http://www.findu.com/cgi-bin/rawposit.cgi?call=n5eqt-7&start=500&length=500
>
> Regards,
> Ken Patterson
> N5EQT
> EM22 - Texas
>
> ----- Original Message -----
> From: "Ken Patterson" <kenp@etex.net>
> To: "TAPR APRS Special Interest Group" <aprssig>
> Sent: Sunday, January 06, 2002 12:11 PM
> Subject: [aprssig] Sometimes There's a Timestamp....
>
>
> > Good day all.
> >
> > Why does some of my position reports listed at findu.com show what
looks
> > like a timestamp (@xxxxxxz) & some do not?
> >
> >
>
http://www.findu.com/cgi-bin/rawposit.cgi?call=n5eqt-7&start=500&length=500
> >

> > If it is because I-gates add the timestamp, would someone here post
which
> > versions of I-gate software do & do not add the timestamps. I am
> interested
> > in placing an I-gate online somewhere near my APRS forsaken QTH & this
is
> a
> > feature I would like to include.
> >
> > Regards,
> > Ken
> > N5EQT
> > EM22 - Texas
> >
> >
> > ---
> > You are currently subscribed to aprssig as: kenp@etex.net
> > To unsubscribe send a blank email to leave-aprssig-842K@lists.tapr.org
> > Questions regarding the SIG go to the SIG administrator:
wa1lou@tapr.org
> >
> >
>
>
> ---
> You are currently subscribed to aprssig as: BILLDIAZ@MEGSINET.NET
> To unsubscribe send a blank email to leave-aprssig-842K@lists.tapr.org
> Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org
>
>

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To unsubscribe send a blank email to leave-aprssig-842K@lists.tapr.org
Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

---

232. [aprssig] IRLP Future

From: Bob Bruninga <bruninga@usna.edu>
Date: Wed, 9 Jan 2002 22:36:18 -0500 (EST)
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: <irlp@irlp.net>, <irlp@yahoogroups.com>
Message-ID: <LYR842-56284-2002.01.09-22.17.06--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

I know I am a newbee to IRLP/I-Link but have been promoting a parallel
voice equivalent for APRS since the 2000 DCC. IRLP/I-Link is the future
of HAM radio for end-to-end long-haul connectity! Please excuse my newbee
excitement and ignore me if all this has been said before.

But I assume that IRLP/I-Link will soon expand to 4 digits.
Having assumed that, we could also expand to some optional end-user=PL
digits which would set a unique PL at the far end for alerting
just the called party...

This is easy. Just hash the 36 numbers/letters of the alphabet to 36 of
the standard PL tones that match each end user's SUFFIX. Actually, since
those are just the 26 letters of the alphabet, then the 10 digits could
correspond to 10 SUBGROUPS...

There are two ways to hash the letters to a TTone pad. Here are the
exmaples for calling say my suffix (APR) if I am at the node #1436:

System 1: Dial 1436-7 This sends out PL equivalent to 7 = "P or R or S"

System 2: Dial 1436-77 this sends out PL equivalent to 7 twice = "R"
           Dial 1436-777 this sends out PL equivalent to "S" etc

System 3: Dial 1436-277 where "277" is the equivalent of "APR"

Again, this is unrelated to the other APRS/AVRS ideas which I have been
posting which are a parallel digital signaling system for those with
APRS mobile displays.

But this kind of end-user-PL digits can be used by anyone if the
IRLP/I-Link systems wanted to consider such a system...

And I assume it could be done transparently and backward compatibly to
what exists. In other words, if my local system implents end-user-PL,
then anyone anwhere on the planet that calls me needs only the local NODE#

```
to come out on our IRLP/I-Link system, but if he adds my unique
end-user-PL codes, then he will open MY squelch.

I the end user can decide to listen to all QSO's on my local node, or set
CTCSS and ignore everything except someone calling only me...

Forgive this newbee if this is an old idea...
But It sure is exciting to me!

de  WB4APR@amsat.org, Bob

PCsat WEB  page     http://www.ew.usna.edu/~bruninga/pcsat.html
ISS-APRS FAQ:       http://www.ew.usna.edu/~bruninga/iss-faq.html
CUBESAT Designs     http://www.ew.usna.edu/~bruninga/cubesat.html
APRS LIVE pages     http://www.ew.usna.edu/~bruninga/aprs.html
APRS SATELLITES     http://www.ew.usna.edu/~bruninga/astars.html
MIM/Mic-E/Mic-Lite  http://www.toad.net/~wclement/bruninga/mic-lite.html


---
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```

233. [aprssig] RE: GPS Blackout

From: "H. Vordenbaum" <k5hv@hilconet.com>
Date: Wed, 9 Jan 2002 21:42:09 -0600
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-56287-2002.01.09-22.17.45--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

```
This link says that the U.S. may already be doing GPS Jamming to deny
Taliban's use of GPS.
http://www.idg.net/go.cgi?id=621855


---
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```

234. [aprssig] RE: GPS Blackout

From: "Mike Yetsko" <myetsko@insydesw.com>
Date: Wed, 9 Jan 2002 22:54:49 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-56290-2002.01.09-22.25.49--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

```
But I thought they could do localized jamming, they didn't have to take
the
whole thing down.

Mike

----- Original Message -----
From: "H. Vordenbaum" <k5hv@hilconet.com>


> This link says that the U.S. may already be doing GPS Jamming to deny
> Taliban's use of GPS.
> http://www.idg.net/go.cgi?id=621855
>



---
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```

235. [aprssig] Re: Sometimes There's a Timestamp....

From: "Ken Patterson" <kenp@etex.net>
Date: Wed, 9 Jan 2002 22:07:30 -0600
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-56292-2002.01.09-22.38.17--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Thanks Bill, et al, for your thoughtful replies. I believe I understand the
issue throughly now.

73,
de Ken, N5EQT

----- Original Message -----
From: "Bill Diaz" <billdiaz@megsinet.net>
To: "TAPR APRS Special Interest Group" <aprssig>
Sent: Wednesday, January 09, 2002 8:48 PM
Subject: [aprssig] Re: Sometimes There's a Timestamp....

> Ken,
>   AFAIK, Findu cannot decode the Mic-E positons and must relay on IGATES
> to convert the raw data to a readable format.
>
> The timestamp that is added by some IGATEs may be grossly incorrect. It
> is the IGATES notion of the time and that can be hours   off. Multiple
> IGATES can convert the same message and the times will likely vary quite a
> bit.
>
> The differences in the timestamps can result in multiple packets being
> generated that appear to be different, but were in fact converted from the
> same Mic-E packet.
>
> Many of the IGATES have been eliminating the timestamp for this reason.
>
> Some IGATES also do not correctly convert the latitude and longitude. If
> you are viewing a track of a Mic-E unit you may have noticed that at times
> you will see small excursions from the actual route. Kinda like a
sawtooth
> track at times. This is not the fault of the tracker, but is the fault of
> the IGATE that converted the data.
>
> HTH.
>
> Bill KC9XG
>
> On Wednesday, January 09, 2002 21:16, Ken Patterson [SMTP:kenp@etex.net]
> wrote:
> > Well, since I did not receive a reply with the first posting of my
> question,
> > here it is again.
> >
> > Why does some of my position reports listed at findu.com show what looks
> > like a timestamp (@xxxxxxz) & some do not?
> >
> >
>
http://www.findu.com/cgi-bin/rawposit.cgi?call=n5eqt-7&start=500&length=500
> >
> > Regards,
> > Ken Patterson
> > N5EQT
> > EM22 - Texas
> >
> > ----- Original Message -----
> > From: "Ken Patterson" <kenp@etex.net>
> > To: "TAPR APRS Special Interest Group" <aprssig>
> > Sent: Sunday, January 06, 2002 12:11 PM
> > Subject: [aprssig] Sometimes There's a Timestamp....
> >
> >
> > > Good day all.
> > >
> > > Why does some of my position reports listed at findu.com show what
> looks
> > > like a timestamp (@xxxxxxz) & some do not?
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> > >
> >
>
http://www.findu.com/cgi-bin/rawposit.cgi?call=n5eqt-7&start=500&length=500
> > >
> > > If it is because I-gates add the timestamp, would someone here post
> which
> > > versions of I-gate software do & do not add the timestamps. I am
> > interested

> > > in placing an I-gate online somewhere near my APRS forsaken QTH & this
> is
> > a
> > > feature I would like to include.
> > >
> > > Regards,
> > > Ken
> > > N5EQT
> > > EM22 - Texas
> > >
> > >
> > > ---
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> > > Questions regarding the SIG go to the SIG administrator:
> wa1lou@tapr.org
> > >
> > >
> >
> >
> > ---
> > You are currently subscribed to aprssig as: BILLDIAZ@MEGSINET.NET
> > To unsubscribe send a blank email to leave-aprssig-842K@lists.tapr.org
> > Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org
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> >
>
> ---
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>
>

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Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

---

236. [aprssig] Re: Sometimes There's a Timestamp....

From: "Brent Hildebrand" <bhildebrand@earthlink.net>
Date: Wed, 9 Jan 2002 20:30:15 -0800
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-56299-2002.01.09-22.59.11--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

N5EQT is using a tracking device that transmits Mic-E. Mic-E use to have a problem with certain Internet client programs in that not all the characters in the Mic-E packet were faithfully transmitted through the APRS Internet System (APRS/IS). To "solve" this problem, Mic-E packets were converted to a more APRS like packet. This has created an innumerable number of problems. As Bill has pointed out, timestamps are what the listening IGate thinks the time is. But eliminating the Timestamp will not solve the problem of eliminating duplicate packets that look different as there can be differences in character case, position and even the amount of data converted. In your example you posted, Altitude was decoded and included in the packet by one IGate, but not the other. One of the problems with Mic-E conversion was that some programs in the APRS/IS would convert Mic-E packets, even if they did not hear the Mic-E packet on RF, but only received them from a client program via TCP/IP. Well, these servers could be across the country, indeed, across the globe. The only real solution is to NOT convert Mic-E packets. Findu does not understand Mic-E. That can be handled by 1) fix findu, or 2) convert Mic-E packet going into Findu, and in to Findu only. That way right or wrong, it would be only one program to deal with.

Are there any program left that are trashing Mic-E packets as feed into the APRS/IS? Is Findu the only spot we need to worry about? Lets stop converting Mic-E packets now.

BH

----- Original Message -----
From: "Bill Diaz" <billdiaz@megsinet.net>
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Sent: Wednesday, January 09, 2002 6:48 PM

Subject: [aprssig] Re: Sometimes There's a Timestamp....

> Ken,
>   AFAIK, Findu cannot decode the Mic-E positons and must relay on IGATES
> to convert the raw data to a readable format.
>
> The timestamp that is added by some IGATEs may be grossly incorrect. It
> is the IGATES notion of the time and that can be hours   off. Multiple
> IGATES can convert the same message and the times will likely vary quite a
> bit.
>
> The differences in the timestamps can result in multiple packets being
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> same Mic-E packet.
>
> Many of the IGATES have been eliminating the timestamp for this reason.
>
> Some IGATES also do not correctly convert the latitude and longitude. If
> you are viewing a track of a Mic-E unit you may have noticed that at times
> you will see small excursions from the actual route. Kinda like a
sawtooth
> track at times. This is not the fault of the tracker, but is the fault of
> the IGATE that converted the data.
>
> HTH.
>
> Bill KC9XG
>
> On Wednesday, January 09, 2002 21:16, Ken Patterson [SMTP:kenp@etex.net]
> wrote:
> > Well, since I did not receive a reply with the first posting of my
> question,
> > here it is again.
> >
> > Why does some of my position reports listed at findu.com show what looks
> > like a timestamp (@xxxxxxz) & some do not?
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> >
>
http://www.findu.com/cgi-bin/rawposit.cgi?call=n5eqt-7&start=500&length=500
> >
> > Regards,
> > Ken Patterson
> > N5EQT
> > EM22 - Texas
> >
> > ----- Original Message -----
> > From: "Ken Patterson" <kenp@etex.net>
> > To: "TAPR APRS Special Interest Group" <aprssig>
> > Sent: Sunday, January 06, 2002 12:11 PM
> > Subject: [aprssig] Sometimes There's a Timestamp....
> >
> >
> > > Good day all.
> > >
> > > Why does some of my position reports listed at findu.com show what
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> > > like a timestamp (@xxxxxxz) & some do not?
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> > >
> >
>
http://www.findu.com/cgi-bin/rawposit.cgi?call=n5eqt-7&start=500&length=500
> > >
> > > If it is because I-gates add the timestamp, would someone here post
> which
> > > versions of I-gate software do & do not add the timestamps. I am
> > interested
> > > in placing an I-gate online somewhere near my APRS forsaken QTH & this
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> > a
> > > feature I would like to include.
> > >
> > > Regards,
> > > Ken
> > > N5EQT
> > > EM22 - Texas

```
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```

237. [aprssig] Re: IRLP Future

```
From: James Ewen <jewen@shaw.ca>
Date: Wed, 09 Jan 2002 21:29:49 -0700
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: irlp@irlp.net
Message-ID: <LYR842-56300-2002.01.09-22.59.36--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain
```

```
> But I assume that IRLP/I-Link will soon expand to 4 digits.
> Having assumed that, we could also expand to some optional end-user=PL
> digits which would set a unique PL at the far end for alerting
> just the called party...
>

Neat idea Bob, but it might be tough to implement. It would require a system
that would allow a dynamic CTCSS code, controlled by the IRLP computer. I
don't know how many people have that built into their repeaters. This
wouldn't be able to be implemented on either of the two systems I have
running here in Edmonton. Both systems use link radios to talk to the main
repeater. One system requires 103.5 to open the squelch on the repeater, and
the same tone is used on the backhaul to track user COS. We do not have the
option of using multiple CTCSS tones there. The second system is tied into
over 30 link sites across the province, and using CTCSS tone signalling
won't work there either.

Some nodes may be able to dynamically change CTCSS tones, and may want to
implement something like this. However, this is going to take more user
intervention than probably wanted. This type of system is used on shared
repeaters all the time, but the commercial radios usually have a hookswitch
feature. When the mic is taken off the hookswitch, the CTCSS decoding is
disabled. I haven't seen an amateur rig with this feature yet. (I'm not an
expert either). If I set my rig to alert on my particular CTCSS, I will need
to turn off the CTCSS before I can make a call on the repeater, so that I
can be sure that no one else is using the repeater with a different CTCSS.
Not a nice easy transparent system.

Now, DTSS signalling may work, but even that isn't fool proof. Some people
don't like hearing DTMF, and use DTMF muting on the repeaters... that's not
going to cut it either!

> And I assume it could be done transparently and backward compatibly to
> what exists

Currently, the whole dtmf string from keyup to keydown is matched to the
node number list to determine if it is a valid string. Appending sub-strings
would require a change in the script used to decode the dtmf strings.

It could be done, but will anyone implement it?

Keep throwing the ideas out... I love the way your mind works, but I think
you need a real job, you spend too much time thinking of all this stuff!

James
VE6SRV


---
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```

238. [aprssig] Format of reverse-gated traffic on RF

```
From: "Mark Conner" <mconner1@home.com>
Date: Wed, 9 Jan 2002 22:39:31 -0600
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-56301-2002.01.09-23.09.19--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain
```

```
I noticed an oddity while monitoring the RF traffic this evening.  I've
modified all callsigns below except my own to hopefully prevent the idea I'm
badmouthing anyone, but the modification is consistent.  I sent a message to
N0XXX-1 which was not digipeated (that I could see) but also went out TCP/IP
```

and was reverse gated by what I think is NX0X-15. However, the callsign appearing at the front of the string in Packet #1 is mine. Is this correct, or is this some misconfigured or old software performing the reverse-gate function?

I don't really care that it was reverse-gated, but a quick look at the RF output would make many people think that I originated this particular packet on RF, when in reality it was reverse-gated by another station. Packet #2 was indeed originated by me on RF, and packet #3 is one I (N9XTN) reverse-gated using APRSPlus. My thinking is that the station who reverse-gated Packet #1 should have his callsign "up front", not mine. Mine should only appear after the first '}' in the string (i.e., packet 3 is correctly formatted indicating N9XTN transmitted it on RF locally, but KA0XXX originated it and N9XTN got it from the TCPIP stream).

```
Packet #1
N9XTN>APD214,AXXX,K0XXX-1*/1:}N9XTN>APS203,TCPIP*,NX0X-15*::N0XXX-1  :Hi
there{50}

Packet #2
N9XTN>APS203,K0XXX-1*,WIDE/1:=4109.80N/09555.72WIPHG3150 Mark - BellevueNE -
NWS wx warnings&IGate=Yes

Packet #3
N9XTN>APS203,K0XXX-1*,WIDE/1:}KA0XXX>APR848,TCPIP,N9XTN*:>271253z 73 de Name
user@provider.com
```

73 de Mark N9XTN

Mark D. Conner
E-mail: n9xtn@arrl.net
Homepage: http://members.home.net/mconner1
"Arrogance and stupidity, all in the same package.....how efficient
  of you!"   - Ambassador Londo Mollari, Babylon 5

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239. [aprssig] Re: Sometimes There's a Timestamp....

From: Bill Diaz <billdiaz@megsinet.net>
Date: Wed, 9 Jan 2002 21:51:18 -0600
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-56303-2002.01.09-23.17.41--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Brent,
  You covered just about all of the bases. However, there was one Mic-E issue not mentioned that is causing other problems.

It seems that some legacy software and TNC's are not permitting 8 bit characters to be passed as received. Extended characters may be deleted, replaced with a space, or the high order bit may be removed. This can cause some of the Mic-E data to be lost or to change the meaning of the remaing Mic-E data.

Bill KC9XG

On Wednesday, January 09, 2002 22:30, Brent Hildebrand [SMTP:bhildebrand@earthlink.net] wrote:
> N5EQT is using a tracking device that transmits Mic-E.   Mic-E use to have a
> problem with certain Internet client programs in that not all the characters
> in the Mic-E packet were faithfully transmitted through the APRS Internet
> System (APRS/IS).
Snip

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240. [aprssig] Re: Sometimes There's a Timestamp....

From: "Brent Hildebrand" <bhildebrand@earthlink.net>
Date: Wed, 9 Jan 2002 20:55:31 -0800
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-56305-2002.01.09-23.24.29--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

All Mic-E data is 7 bit. There are no high ASCII characters used by Mic-E,
correct?   The problem is/was the control characters in low ASCII which
some programs did not handle correctly.   Not high ASCII.   If there are
programs that are trashing Mic-E, let's identify them.

> Brent,
>   You covered just about all of the bases. However, there was one Mic-E
> issue not mentioned that is causing other problems.
>
> It seems that some legacy software and TNC's are not permitting 8 bit
> characters to be passed as received. Extended characters may be deleted,
> replaced with a space, or the high order bit may be removed. This can
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> Snip
>
> ---
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>

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Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

---

241. [aprssig] Re: Format of reverse-gated traffic on RF

From: "Brent Hildebrand" <bhildebrand@earthlink.net>
Date: Wed, 9 Jan 2002 21:05:41 -0800
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-56306-2002.01.09-23.34.25--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Packet 1 is very strange indeed.   The RF callsign is most likely NX0X-15.
APRSd v2.14?
Packet 2 is a normal RF packet
Packet 3 must have been generated by APRS+SA with the Gate-By-Callsign
function enabled as this is a status packet and would not have been gated to
RF by the usual APRS/IS messaging system. But it indeed formatted
correctly.

Brent KH2Z

----- Original Message -----
From: "Mark Conner" <mconner1@home.com>
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Sent: Wednesday, January 09, 2002 8:39 PM
Subject: [aprssig] Format of reverse-gated traffic on RF

> I noticed an oddity while monitoring the RF traffic this evening. I've
> modified all callsigns below except my own to hopefully prevent the idea
I'm
> badmouthing anyone, but the modification is consistent. I sent a message
to
> N0XXX-1 which was not digipeated (that I could see) but also went out
TCP/IP

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> and was reverse gated by what I think is NX0X-15.  However, the callsign
> appearing at the front of the string in Packet #1 is mine.  Is this
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> or is this some misconfigured or old software performing the reverse-gate
> function?
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> I don't really care that it was reverse-gated, but a quick look at the RF
> output would make many people think that I originated this particular
packet
> on RF, when in reality it was reverse-gated by another station.  Packet #2
> was indeed originated by me on RF, and packet #3 is one I (N9XTN)
> reverse-gated using APRSPlus.  My thinking is that the station who
> reverse-gated Packet #1 should have his callsign "up front", not mine.
Mine
> should only appear after the first '}' in the string (i.e., packet 3 is
> correctly formatted indicating N9XTN transmitted it on RF locally, but
> KA0XXX originated it and N9XTN got it from the TCPIP stream).
>
> Packet #1
> N9XTN>APD214,AXXX,K0XXX-1*/1:}N9XTN>APS203,TCPIP*,NX0X-15*::N0XXX-1  :Hi
> there{50}
>
> Packet #2
> N9XTN>APS203,K0XXX-1*,WIDE/1:=4109.80N/09555.72WIPHG3150 Mark -
BellevueNE -
> NWS wx warnings&IGate=Yes
>
> Packet #3
> N9XTN>APS203,K0XXX-1*,WIDE/1:}KA0XXX>APR848,TCPIP,N9XTN*:>271253z 73 de
Name
> user@provider.com
>
>
> 73 de Mark N9XTN
>
> ------
> Mark D. Conner
> E-mail: n9xtn@arrl.net
> Homepage: http://members.home.net/mconner1
> "Arrogance and stupidity, all in the same package.....how efficient
>   of you!"   -  Ambassador Londo Mollari, Babylon 5
>
>
>
> ---
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```

---

242. [aprssig] Re: [IRLP General] Re: AVRS and IRLP

From: James Ewen <jewen@shaw.ca>
Date: Wed, 09 Jan 2002 22:23:56 -0700
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: irlp@irlp.net
Message-ID: <LYR842-56307-2002.01.09-23.53.43--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

```
> 1) Someone write an AVRS info engine that will respond to Queries anywhere
> in the world with the NODE number of the nearest node to callsign X and
> the distance.
>
> Query APRS message:    TO: W3XYZ  MSG: ?AVRS
> AVRS Engine response:  TO: mycall MSG: #nnnn xx mi
>                                        #nnnn xx mi

So, this AVRS info engine would need to scan the subject of every message to
everyone looking for the text ?AVRS, and once fining that, respond back to
the sender, right? Normally, a query would be sent to the AVRS info engine
in this type of format.

TO: AVRS MSG:W3XYZ
```

Which would return the same response. The second step would be to call the other station via IRLP, and or send an APRS message as shown in your example.

I don't understand what the second node number and distance display is though...

> Notice, that since this is a message to individual W3XYZ, that individual
> may also receive the Query as a message as well. Thus he konws that
> someone is looking for him as a freebee.

Makes 2 steps into one... it is possible.

> 2) NODE Dump: Unrelated to the individual query above, When we get to the
...
> Next problem is how to restrict the data dump of hundreds (will be
> thousands before long) for the 40 you are interested in.

Do you really want to dump all of them? I had suggested sending a query to a server which would then respond with the status of the node queried, and if busy, it would watch the node status for 'x' minutes, and send you a message when the node became free within 'x' minutes.

> Do you request alphabetically starting with X
> Do you request a LAT/LONG?
> Do you request the nearest to X
> Do you request only those in use?

All this could be implemented, but the way I use IRLP, I know where I want to call into, and I know the callsign or node number already. All I'd really want to know, is when the node status became idle if it was busy when I tried calling in. There are always other opinions...

I would probably make use of the "Closest node to W3XYZ" server to find friends who are on the road. Query the server to see if the guy is within range of an IRLP node, send a quick APRS message to wake him up and QSY to the frequency if need be, and then call up the node!

James
VE6SRV

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---

243. [aprssig] Re: APRS monitoring with AGW Packet Engine

From: WA8LMF2@aol.com
Date: Thu, 10 Jan 2002 00:38:19 EST
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: k9soa@att.net
Message-ID: <LYR842-56323-2002.01.10-00.09.22--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

In a message dated 1/9/02 7:34:10 PM Pacific Standard Time, k9soa@att.net writes:

> That is the type of info I am trying to find out about.
> I don't have a TNC on the home system but I have DL AWG
> and am trying to get it going now.

Monitoring via soundcard, AGWpe and a web browser is a very useful tool for debugging APRS gadgets and software, since it lets you easily view as-received raw packets before they are interpreted or altered by application programs. [I use this setup on my laptops along with a Bearcat scanner for APRS monitoring/debugging.]

Visit the site :
   http://www.qsl.net/soundcardpacket

for more information on setting up AGW.

Note: This website does not discuss how to use a web browser with AGW; only major packet and APRS programs.   Using the browser is very easy (at least if you have the current Microsoft TCP/IP stack aka "Winsock2" which is standard equipment with Win98 and later, and a free downloadable update for Win95).

SETUP
Install AGW (actually there is no real install -- just unpack the files in the downloaded ZIP file into a directory on your harddisk, and create a desktop shortcut to "AGW Packet Engine.exe").

USEFUL HINT: The program assumes that you will also want to transmit with AGWpe and insists that a port be assigned that will be used for PTT keying of a transmitter, even if you only want to receive. To avoid tying up and "wasting" a serial port, download the parallel port driver VXD from the AGW web site. Assign a non-existent parallel port to the PTT configuration dialog (I use "LPT3'). The program is perfectly happy to bit-fiddle a non-existent parallel port, and will leave your serial ports alone.

Start the program and click on the twin towers icon in the Windows System Tray. Choose "Setup Interfaces" Select the first tab "Winsock Interface" and check the box "Enable Winsock Interface". Select the third tab "HTTP Interface" and check the box "Enable HTTP Interface". Note the port number. If you don't have any other software running in your computer trying to act like a web server, leave it as-is. If other web server apps ARE running, enter a different port number -- port 80 is normally the default TCP port for web browsers. Close the "Setup Interfaces" dialog. This setup only needs to be done the first time -- these settings are stored in the agwpe.ini file for future use.

OPERATION
Start AGW and click on the twin towers tray icon again. This time, choose the item "Start IBROWSER". Your default Web browser should start with a green-textured-background "web page" created by AGW with a login/password prompt. Ignore the password prompt (it's just for other users that might access your PC over a LAN or the Internet) and just click on "Submit" You should be taken to a white "Main Menu" with several clickable links. Click on the "Monitor" page. Anything that is heard off the air should now start appearing in the browser. Note that the web interface also maintains an MHEARD list that will display all the calls heard.

If nothing happens, try starting the browser by hand and enter "http://127.0.0.1:80" into the address bar. [The IP address 127.0.0.1 aka "localhost" has special "magic" properties -- it always refers to the machine the browser is running on; i.e. your own machine.] Note that firewalls such as AtGuard, ZoneAlarm or Norton Internet Security can interfere. Either disable them for the duration, or edit their pass/block lists to allow localhost:80 to pass freely.

```
Stephen H. Smith                   wa8lmf @ aol.com
Home Page:
http://members.aol.com/wa8lmf
Ham Radio/Mobile SSTV page:     http://members.aol.com/wa8lmf/ham
APRS Stuff
http://members.aol.com/wa8lmf/aprs
------------------------------------------------------------------------------

----------
|    Radio Communications Systems       Personal Computers
|                Consulting and Systems Integration
|    GPS Custom Mapping    &     Radio Coverage Surveys
|    File Conversions       MS-Windows Setups       VISCII Fonts
------------------------------------------------------------------------------

-----------
```

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---

244. [aprssig] Re: HELP!

From: "Curt Mills, WE7U" <hacker@tc.fluke.com>
Date: Wed, 9 Jan 2002 15:34:55 -0800 (PST)
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: TAPR APRS Special Interest Group <aprssig@lists.tapr.org>
Message-ID: <LYR842-56334-2002.01.10-01.59.45--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

On Wed, 9 Jan 2002 k9soa@att.net wrote:

> Just trying to get started with APRS and don't think I
> have something set up just right.

>
> Garmin eMap set to NEMA 4800, connected to TinyTrakII,
> to a Yaesu FT-2600M.
>
> Sounds like data is going out every 2 minutes like I
> have it set to for testing but checking on findu.com, I
> don't show up. I hear it on a receiver in the house
> with the system running in the drive. How can I check
> to see if it is sending out the right stuff?

First of all, not making it to findu.com doesn't mean you're not making it. It just means you're not making it to an igate, or at least not to an igate that's connected into the main feed that findu.com is.

You might try looking for an e-mail address of the local hams, either from their broadcasts on the air, or from qrz.com. Ask them via e-mail if they hear you, and ask for a phone number so you can talk further.

What's your path set to? Depending on your area, you might want to set it to RELAY,WIDE3-3 or RELAY,WIDE,WIDE,WIDE. In the northwest we use the former. If you have Kantronics KPC-3+ TNC's on the hilltops they'll understand that protocol. If not, you'll need to use the WIDE,WIDE,WIDE type of path.

Don't go too long on the path either. They can generated _lots_ of packets.

How do you know you have the deviation set right? Best way is a deviation meter, but you can also set the deviation to where your system "sounds" just slightly quieter than other stations on the air. Most people are running too hot.

It's also possible that your calibration is not correct for your crystal or ceramic resonator on the Tinytrak-II. In that case your modem tones as a group might be shifted too high or too low for other TNC's in the area to decode easily. If you kept it at the default you're probably close though.

Good luck,

Curt Mills, WE7U   hacker.NO_*SPAM@tc.fluke.com
Senior Methods Engineer/SysAdmin
"Lotto: A tax on people who are bad at math." -- unknown
"Windows: Microsoft's tax on computer illiterates." -- WE7U

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---

245. [aprssig] Re: TT II

From: "Curt Mills, WE7U" <hacker@tc.fluke.com>
Date: Wed, 9 Jan 2002 16:04:33 -0800 (PST)
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: TAPR APRS Special Interest Group <aprssig@lists.tapr.org>
Message-ID: <LYR842-56335-2002.01.10-01.59.55--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

On Wed, 9 Jan 2002, Joe Della Barba wrote:

> My TT II will NOT achieve connection with my computer, but does pick up the
> GPS signal.
> Any ideas? I checked all the obvious stuff.

The GPS connection requires only two pins to the PIC. The computer connection requires three. Check that third pin. Perhaps a poor solder connection to the board?

Some laptops and perhaps desktop machines don't put a lot of voltage on the RS-232 lines. With those machines the TinyTrak might not talk. Try another PC, preferably a desktop PC.

If you built the TT-2 per the instructions, it should plug directly into the computer with no adapters or cables. If you're trying to hook a cable in between the two, you might be reversing pins 2 and 3.

I built my Tinytrak's with the opposite style of DE-9 connector to what they came with, and swapped the pins around. They connect to a GPS more easily, but require adapters to connect to the computer. The normal connection for my Tinytrak's is to the GPS anyway. My standard GPS-to-PC cables now connect straight to the TinyTrak's.

Good luck,

Curt Mills, WE7U   hacker.NO_*SPAM@tc.fluke.com
Senior Methods Engineer/SysAdmin
"Lotto: A tax on people who are bad at math." -- unknown
"Windows: Microsoft's tax on computer illiterates." -- WE7U

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246. [aprssig] PCSAT Packets

From: "Andrew Rich" <andrew.rich@bigpond.com>
Date: Thu, 10 Jan 2002 19:43:09 +1000
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-56347-2002.01.10-04.11.28--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

```
10/01/02 05:31:28 [A] W3ADO-1>APRS2:Paths of
RELAY/WIDE/APRSAT/NOCALL/W3ADO-1 are OK.<br>
10/01/02 05:31:39 [A] ZL1KJ>APU24L,W3ADO-1*,SGATE::PCGROUP  :R U there
Derek?{55<br>
10/01/02 05:31:43 [A]
W3ADO-1>BEACON,SGATE:T#543,128,142,138,096,213,00011111,0110,1<br>
10/01/02 05:32:26 [A] W3ADO-1>APRS4::BLN4PCSAT:Format of a Bulletin  is
designed to match TH-D7 display.       <br>
10/01/02 05:32:42 [A] ZL1KJ>APU24L,W3ADO-1*,SGATE::PCGROUP  :R U there
Derek?{55<br>
10/01/02 05:33:42 [A] ZL1KJ>APU24L,W3ADO-1*,SGATE::PCGROUP  :R U there
Derek?{55<br>
10/01/02 05:33:43 [A]
W3ADO-1>BEACON,SGATE:T#545,129,044,045,031,213,00011110,0100,1<br>
10/01/02 05:33:50 [A] W3ADO-1>APRS1:Digipaths of RELAY/WIDE/APRSAT/W3ADO-1
are OK.<br>
10/01/02 05:33:50 [A] W3ADO-1>BEACON,SGATE:>OPS NORMAL<br>
10/01/02 05:34:43 [A]
W3ADO-1>BEACON,SGATE:T#546,130,133,143,130,213,00011111,0101,1<br>
10/01/02 05:34:44 [A] ZL1KJ>APU24L,W3ADO-1*,SGATE::PCGROUP  :R U there
Derek?{55<br>
10/01/02 05:34:50 [A] W3ADO-1>BEACON,SGATE:>OPS NORMAL<br>
10/01/02 05:35:43 [A]
W3ADO-1>BEACON,SGATE:T#547,129,142,066,160,213,00011111,0110,1<br>
10/01/02 05:35:51 [A] W3ADO-1>BEACON,SGATE:>OPS NORMAL<br>
10/01/02 05:36:43 [A]
W3ADO-1>BEACON,SGATE:T#548,155,155,060,210,213,00011111,0111,1<br>
10/01/02 05:36:48 [A]
ZL1KJ>APU24L,W3ADO-1*,SGATE:=3624.41S/17443.72E-...Gary {UIV32}<br>
10/01/02 05:37:03 [A] W3ADO-1>ID,SGATE:W3ADO-1/R XBAUD/G MAIL-1/B<br>
10/01/02 05:37:26 [A] W3ADO-1>APRS2:Paths of
RELAY/WIDE/APRSAT/NOCALL/W3ADO-1 are OK.<br>
10/01/02 18:25:26 [A] ZL1AKJ>APRS,W3ADO-1*,SGATE:PCSAT ORBIT 1459<br>
10/01/02 18:25:28 [A]
ZL1AKJ>APRS,W3ADO-1*,SGATE:=3655.35S/17443.98Ey:PCsat/ISS Stn<br>
10/01/02 18:25:43 [A] ZL1AKJ>APRS,W3ADO-1*,SGATE:PCSAT ORBIT 1459<br>
10/01/02 18:25:50 [A]
W3ADO-1>BEACON,SGATE:T#317,017,157,097,039,213,00011111,0100,1<br>
10/01/02 18:27:27 [A] W3ADO-1>APRS1:Digipaths of RELAY/WIDE/APRSAT/W3ADO-1
are OK.<br>
10/01/02 18:27:31 [A] ZL1AKJ>APRS,W3ADO-1*,SGATE:PCSAT ORBIT 1459<br>
10/01/02 18:27:34 [A] ZL1AKJ>APRS,W3ADO-1*,SGATE:PCSAT ORBIT 1459<br>
10/01/02 18:27:37 [A] ZL1AKJ>APRS,W3ADO-1*,SGATE:PCSAT ORBIT 1459<br>
10/01/02 18:27:40 [A] ZL1AKJ>APRS,W3ADO-1*,SGATE:PCSAT ORBIT 1459<br>
10/01/02 18:27:44 [A] ZL1AKJ>APRS,W3ADO-1*,SGATE:PCSAT ORBIT 1459<br>
10/01/02 18:28:28 [A] ZL1AKJ>APRS,W3ADO-1*,SGATE:PCSAT ORBIT 1459<br>
10/01/02 18:29:14 [A] ZL1AKJ>APRS,W3ADO-1*,SGATE:PCSAT ORBIT 1459<br>
```

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247. [aprssig] I-Gates

From: Tom Burkhart <ke4kwe@mindspring.com>
Date: Thu, 10 Jan 2002 06:01:33 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-56351-2002.01.10-05.31.02--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

```
Has a symbol been concurred upon for an I-Gate and if so what is it?
                        Tom
                        ke4kwe@mindspring.com




---
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248. [aprssig] Re: I-Gates

From: "Ronald Reams" <wa4mjf@worldnet.att.net>
Date: Thu, 10 Jan 2002 08:24:14 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-56358-2002.01.10-07.54.24--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

```
Is it not a diamond with an I in the center?????????

73 de Ronnie
----- Original Message -----
From: "Tom Burkhart" <ke4kwe@mindspring.com>
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Sent: Thursday, January 10, 2002 06:01
Subject: [aprssig] I-Gates


Has a symbol been concurred upon for an I-Gate and if so what is it?
Tom
ke4kwe@mindspring.com







---
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```

249. [aprssig] RE: GPS Blackout

From: "Ronald Reams" <wa4mjf@worldnet.att.net>
Date: Thu, 10 Jan 2002 08:24:49 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-56359-2002.01.10-07.56.47--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

```
I don't think that we jam it,  if we did we would not
be able to hear it ourselves.   Without gettin' too much
into it.  The accurate signal is encrypted for DOD users.
The signal sent in the clear is off by some amount.

73 de Ronnie




----- Original Message -----
From: "Mike Yetsko" <myetsko@insydesw.com>
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Sent: Wednesday, January 09, 2002 22:54
Subject: [aprssig] RE: GPS Blackout


But I thought they could do localized jamming, they didn't have to take
the
whole thing down.

Mike
```

```
----- Original Message -----
From: "H. Vordenbaum" <k5hv@hilconet.com>


> This link says that the U.S. may already be doing GPS Jamming to deny
> Taliban's use of GPS.
> http://www.idg.net/go.cgi?id=621855
>







---
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```

250. [aprssig] Re: IRLP Future

From: Bob Bruninga <bruninga@usna.edu>
Date: Thu, 10 Jan 2002 08:53:58 -0500 (EST)
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: TAPR APRS Special Interest Group <aprssig@lists.tapr.org>, <irlp@irlp.net>
Message-ID: <LYR842-56362-2002.01.10-08.23.36--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

```
On Wed, 9 Jan 2002, James Ewen wrote about end-user-PL signaling:

> Some nodes may be able to dynamically change CTCSS tones, and may want to
> implement something like this. However, this is going to take more user
> intervention than probably wanted. This type of system is used on shared
> repeaters all the time, but the commercial radios usually have a hookswitch
> feature. When the mic is taken off the hookswitch, the CTCSS decoding is
> disabled. I haven't seen an amateur rig with this feature yet. (I'm not an
> expert either). If I set my rig to alert on my particular CTCSS, I will need
> to turn off the CTCSS before I can make a call on the repeater, so that I
> can be sure that no one else is using the repeater with a different CTCSS.
> Not a nice easy transparent system.

Wow, neat idea!  Ill ask Kenwood to put this in their next radio (hi hi).
A simple magnet in the dashboard HOOK and a magenetic reed switch in the
microphone would sense the off-hook condition!

Im thinking these ideas because what we are talking about here is
"HAM cellular" and I am sure that is where we will end up...

de WB4APR, Bob



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251. [aprssig] Re: IRLP Future

From: "Steve Meinhardt" <steve@crystalauto.com>
Date: Thu, 10 Jan 2002 09:12:26 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-56365-2002.01.10-08.37.52--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

```
Hello all,
 Is it "ham cellular" or more like commercial trunking systems?
-srm, kc8sid

---------- Original Message ----------------------------------
From: Bob Bruninga <bruninga@usna.edu>
Date:  Thu, 10 Jan 2002 08:53:58 -0500 (EST)

>On Wed, 9 Jan 2002, James Ewen wrote about end-user-PL signaling:
>
>> Some nodes may be able to dynamically change CTCSS tones, and may want to
>> implement something like this. However, this is going to take more user
>> intervention than probably wanted. This type of system is used on shared
>> repeaters all the time, but the commercial radios usually have a hookswitch
>> feature. When the mic is taken off the hookswitch, the CTCSS decoding is
```

>> disabled. I haven't seen an amateur rig with this feature yet. (I'm not an
>> expert either). If I set my rig to alert on my particular CTCSS, I will need
>> to turn off the CTCSS before I can make a call on the repeater, so that I
>> can be sure that no one else is using the repeater with a different CTCSS.
>> Not a nice easy transparent system.
>
>Wow, neat idea! Ill ask Kenwood to put this in their next radio (hi hi).
>A simple magnet in the dashboard HOOK and a magenetic reed switch in the
>microphone would sense the off-hook condition!
>
>Im thinking these ideas because what we are talking about here is
>"HAM cellular" and I am sure that is where we will end up...
>
>de WB4APR, Bob

--
Steven R. Meinhardt
Crystal Automation Systems, Inc.
http://www.crystalauto.com
Phone 989-831-8800 Fax 989-831-5555
--

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---

252. [aprssig] Re: [IRLP General] Re: AVRS and IRLP

From: Bob Bruninga <bruninga@usna.edu>
Date: Thu, 10 Jan 2002 09:11:02 -0500 (EST)
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: TAPR APRS Special Interest Group <aprssig@lists.tapr.org>, <irlp@irlp.net>
Message-ID: <LYR842-56366-2002.01.10-08.41.35--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Great feedback and comments about AVRS etc.

Remember, I am not trying to break anything that is working very well.
Just trying to think about a few years from now when we may have 5000
nodes and Everyone has a full time rig on his "AVRS" channel for incoming
"calls". As the system gets more popular, cells will have to get smaller
and more of them to support the traffic load...

Also, AVRS is not trying to usurp the name either, but just a way of
distinguishing what "could be" from the excellent systems we have now...

(Wishful thinking? NO if you think the hobby is growing and this is the
greatest thing since FM, YES if you think the hobby is dieing...)

de WB4APR@amsat.org, Bob

PCsat WEB page	http://www.ew.usna.edu/~bruninga/pcsat.html
ISS-APRS FAQ:	http://www.ew.usna.edu/~bruninga/iss-faq.html
CUBESAT Designs	http://www.ew.usna.edu/~bruninga/cubesat.html
APRS LIVE pages	http://www.ew.usna.edu/~bruninga/aprs.html
APRS SATELLITES	http://www.ew.usna.edu/~bruninga/astars.html
MIM/Mic-E/Mic-Lite	http://www.toad.net/~wclement/bruninga/mic-lite.html

---
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---

253. [aprssig] Re: Format of reverse-gated traffic on RF

From: "Brent Hildebrand" <bhildebrand@earthlink.net>
Date: Thu, 10 Jan 2002 06:15:16 -0800
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-56367-2002.01.10-08.46.15--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

> Packet 1 is very strange indeed.   The RF callsign is most likely NX0X-15.
> APRSd v2.14?

>From RF this AM:

```
KM6AW-12>APD214,WIDE3-1/1:}KD7MOG>APK101,TCPIP*,KM6AW-12*::AA0P-9   :ackD
```

This appears to be APRSd v2.14, and it is formatted correctly.

> Packet 2 is a normal RF packet
> Packet 3 must have been generated by APRS+SA with the Gate-By-Callsign
> function enabled as this is a status packet and would not have been gated to
> RF by the usual APRS/IS messaging system. But it indeed formatted
> correctly.
>
> Brent KH2Z
>
> ----- Original Message -----
> From: "Mark Conner" <mconner1@home.com>
> To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
> Sent: Wednesday, January 09, 2002 8:39 PM
> Subject: [aprssig] Format of reverse-gated traffic on RF
>
>
> > I noticed an oddity while monitoring the RF traffic this evening. I've
> > modified all callsigns below except my own to hopefully prevent the idea
> I'm
> > badmouthing anyone, but the modification is consistent. I sent a message
> to
> > N0XXX-1 which was not digipeated (that I could see) but also went out
> TCP/IP
> > and was reverse gated by what I think is NX0X-15. However, the callsign
> > appearing at the front of the string in Packet #1 is mine. Is this
> correct,
> > or is this some misconfigured or old software performing the reverse-gate
> > function?
> >
> > I don't really care that it was reverse-gated, but a quick look at the RF
> > output would make many people think that I originated this particular
> packet
> > on RF, when in reality it was reverse-gated by another station. Packet #2
> > was indeed originated by me on RF, and packet #3 is one I (N9XTN)
> > reverse-gated using APRSPlus. My thinking is that the station who
> > reverse-gated Packet #1 should have his callsign "up front", not mine.
> Mine
> > should only appear after the first '}' in the string (i.e., packet 3 is
> > correctly formatted indicating N9XTN transmitted it on RF locally, but
> > KA0XXX originated it and N9XTN got it from the TCPIP stream).
> >
> > Packet #1
> > N9XTN>APD214,AXXX,K0XXX-1*/1:}N9XTN>APS203,TCPIP*,NX0X-15*::N0XXX-1 :Hi
> > there{50}
> >
> > Packet #2
> > N9XTN>APS203,K0XXX-1*,WIDE/1:=4109.80N/09555.72WIPHG3150 Mark -
> BellevueNE -
> > NWS wx warnings&IGate=Yes
> >
> > Packet #3
> > N9XTN>APS203,K0XXX-1*,WIDE/1:}KA0XXX>APR848,TCPIP,N9XTN*:>271253z 73 de
> Name
> > user@provider.com
> >
> >
> > 73 de Mark N9XTN
> >
> > ------
> > Mark D. Conner
> > E-mail: n9xtn@arrl.net
> > Homepage: http://members.home.net/mconner1
> > "Arrogance and stupidity, all in the same package.....how efficient
> >   of you!"   - Ambassador Londo Mollari, Babylon 5
> >
> >
> >
> > ---
> > You are currently subscribed to aprssig as: bhildebrand@earthlink.net
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> >
>
>
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```
>


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```

---

254. [aprssig] Re: Sometimes There's a Timestamp....

```
From: "Ronald Reams" <wa4mjf@worldnet.att.net>
Date: Thu, 10 Jan 2002 09:30:36 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: "APRS SIG" <aprssig@tapr.org>
Message-ID: <LYR842-56370-2002.01.10-09.00.50--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain
```

```
OK, did not know it was that complicated.

I run a 30 < > 2 Meter gate and an APRSDAT station
and every morning when I calibrate one of my R-390As (always
seems to be off a few cycles, as I do NOT run the oven), I spin
up to 7335 kcs (no kHz on this oldie, but goodie) and check the
'puter clocks on the gate and APRSDAT (that one has to be right
to get the pass data right!) against CHU.

Did not know that the Igates were that much different.

73 de Ronnie


----- Original Message -----
From: "Bill Diaz" <billdiaz@megsinet.net>
To: "'Ronald Reams'" <wa4mjf@worldnet.att.net>
Sent: Thursday, January 10, 2002 09:20
Subject: RE: [aprssig] Re: Sometimes There's a Timestamp....


Ron,
  Many IGates are unattended for long periods of time.

It is possible for clocks to gain or lose time or to be improperly set.

There is currently no way to automatically sync all IGATE clocks on the
APRS IS.  Therefore, when multiple IGATES convert the same Mic-E packet,
the resulting timestamps can differ.  This and other conversion differences
can cause 5 or 6 different conversion results to appear on the feed from 1
raw Mic-E packet.

There is no way to determine if any given timestamp is correct except to
compare it with the time on the receiving system. If the receiving system
clock is not accurate then any comparison is useless.  The simplest
solution was for IGATE applications to have the option to turn timestamps
on or off.  When conversion timestamps are turned off, an inaccurate
timestamp is not propagated through out the entire APRS network and the
number of duplicate conversions is reduced.  Options are also available in
some IGATE applications to turn Mic-E conversions off entirely.  Each APRS
application should have the ability to convert the Raw Mic-E packets to a
format for mapping and text displays.  Therefore, conversions by 3rd
parties should not be needed in APRS compliant applications..

When a timestamp is not present in a converted packet, the receiving
station uses the time of reciept as an internal time stamp. The receiving
stations notion of time may be more important to the user than time
provided by another system with unknown time accuracy..

If a method was devised to sync all IGATE clocks, there is no guarantee
that all IGATES would be uprgraded.  APRS has many legacy IGATE
applications that are several years old.  These may continue to operate
without being upgraded.

Bill KC9XG
On Thursday, January 10, 2002 07:23, Ronald Reams
[SMTP:wa4mjf@worldnet.att.net] wrote:
> Sometimes the answer is right in front of  your nose:
>
> Set the Igates to GMT. As 'puter clocks are inaccurate,
> check with WWV or CHU or another time station evey day or
> so and that  should fix that.
>
```

```
>
> 73 de Ronnie




---
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```

255. [aprssig] Kam XL

From: aa3jy@winlink.org
Date: Thu, 10 Jan 2002 09:52:27 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-56376-2002.01.10-09.23.13--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

```
Having extreme difficulty changing the Kam XL ports with the current
APRS programs, ie., DosAPRS and APRS+SA. In order to change ports I have
to temporily suspend the program(s) in question and intiate an external
terminal program, such as PACTERM, and issue the TNC commands by that
means. The APRS program's internal TNC Command mode will not work.

Also observed..the dual porting capability is not functional..either the
program or the TNC fails to recognize that command.


---
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```

256. [aprssig] Re: I-Gates

From: Bob Bruninga <bruninga@usna.edu>
Date: Thu, 10 Jan 2002 09:57:37 -0500 (EST)
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: TAPR APRS Special Interest Group <aprssig@lists.tapr.org>
Message-ID: <LYR842-56377-2002.01.10-09.27.29--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

```
On Thu, 10 Jan 2002, Tom Burkhart wrote:

> Has a symbol been concurred upon for an I-Gate and if so what is it?
>                       Tom
>                       ke4kwe@mindspring.com

My intention all along was that the GATE symbol would be used with the
OVERLAY character of "I".

Unfortunately, I  think WinAPRS defaulted to the TCPIP Icon I think.  That
ICON was intended for TCPIP RF networks on AX.25.

de WB4APR, Bob




---
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```

257. [aprssig] Re: Kam XL

From: "Ronald Reams" <wa4mjf@worldnet.att.net>
Date: Thu, 10 Jan 2002 10:03:00 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-56378-2002.01.10-09.33.11--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

```
That definitely was not one of Kantronics "better ideas".

They have discontinued the KAM XL and are goin' back to
a dual port ala KAMPlus (cna't remember name, but it is on the
Kantronics website.

KAMPlus are runnin' less than $200 on the used market now.
That is my TNC of choice for gates.  I use one on
my APRS 30 <> 2 meter gate and an
```

ARES 80 <> 2 meter gate.

73 de Ronnie

----- Original Message -----
From: <aa3jy@winlink.org>
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Sent: Thursday, January 10, 2002 09:52
Subject: [aprssig] Kam XL

Having extreme difficulty changing the Kam XL ports with the current APRS programs, ie., DosAPRS and APRS+SA. In order to change ports I have to temporily suspend the program(s) in question and intiate an external terminal program, such as PACTERM, and issue the TNC commands by that means. The APRS program's internal TNC Command mode will not work.

Also observed..the dual porting capability is not functional..either the program or the TNC fails to recognize that command.

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---

258. [aprssig] Re: Sometimes There's a Timestamp....

From: "Ronald Reams" <wa4mjf@worldnet.att.net>
Date: Thu, 10 Jan 2002 10:06:36 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-56381-2002.01.10-09.36.54--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Gee, we hams oughta use radio for somethin' :-)

73 de Ronnie

----- Original Message -----
From: "John Ackermann N8UR" <jra@febo.com>
To: "Ronald Reams" <wa4mjf@worldnet.att.net>; "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: "APRS SIG" <aprssig@tapr.org>
Sent: Thursday, January 10, 2002 10:04
Subject: Re: [aprssig] Re: Sometimes There's a Timestamp....

For those running IGates on Linux (or other *nix) machines, the ntp (network time protocol) makes it very easy to keep your system clock to within a few milliseconds of "the right time." There are bunches of public ntp servers available that you can sync to, and the ntpd daemon runs continuously in the background so clock sync can be maintained pretty much forever. Of course, this assumes a network connection, which in theory an Igate should have :-) Alternatively, ntpd can also sync directly to a GPS with a 1pps output (actually, any NMEA-output GPS will work, but with much poorer resolution).

There are also network time sync programs available for Windows and I'm sure other desktop OSs, but many (most? all?) of them are "one shot" programs that will set the clock when run, but won't manage it on an automatic basis. That's where ntp really shines.

73,
John N8UR
jra@febo.com

--On Thursday, January 10, 2002 9:30 AM -0500 Ronald Reams <wa4mjf@worldnet.att.net> wrote:

> OK, did not know it was that complicated.
>
> I run a 30 < > 2 Meter gate and an APRSDAT station
> and every morning when I calibrate one of my R-390As (always
> seems to be off a few cycles, as I do NOT run the oven), I spin
> up to 7335 kcs (no kHz on this oldie, but goodie) and check the

> 'puter clocks on the gate and APRSDAT (that one has to be right
> to get the pass data right!) against CHU.
>
> Did not know that the Igates were that much different.
>
> 73 de Ronnie

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---

259. [aprssig] Re: TT II

From: "Joe Della Barba" <joe@dellabarba.com>
Date: Thu, 10 Jan 2002 10:20:03 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-56384-2002.01.10-09.51.34--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

I have tried two different desktop machines, but no laptops yet. I have
tried both straight and null modem cables. I even plugged the thing right
in. It is driving me nuts. I am bout to mail the chip back and tell whoever
made it to program it with my callsign and mail it back to me!
Anyway, thanks for the help. The most frustrating part is why it reads the
GPS fine.
73 DE Joe N3HGB

----- Original Message -----
From: "Curt Mills, WE7U" <hacker@tc.fluke.com>
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Sent: Wednesday, January 09, 2002 7:04 PM
Subject: [aprssig] Re: TT II

> On Wed, 9 Jan 2002, Joe Della Barba wrote:
>
> > My TT II will NOT achieve connection with my computer, but does pick up
the
> > GPS signal.
> > Any ideas? I checked all the obvious stuff.
>
> The GPS connection requires only two pins to the PIC. The computer
> connection requires three. Check that third pin. Perhaps a poor
> solder connection to the board?
>
> Some laptops and perhaps desktop machines don't put a lot of voltage
> on the RS-232 lines. With those machines the TinyTrak might not
> talk. Try another PC, preferably a desktop PC.
>
> If you built the TT-2 per the instructions, it should plug directly
> into the computer with no adapters or cables. If you're trying to
> hook a cable in between the two, you might be reversing pins 2 and 3.
>
> I built my Tinytrak's with the opposite style of DE-9 connector to
> what they came with, and swapped the pins around. They connect to
> a GPS more easily, but require adapters to connect to the computer.
> The normal connection for my Tinytrak's is to the GPS anyway. My
> standard GPS-to-PC cables now connect straight to the TinyTrak's.
>
> Good luck,
>
> Curt Mills, WE7U   hacker.NO_*SPAM@tc.fluke.com
> Senior Methods Engineer/SysAdmin
> "Lotto: A tax on people who are bad at math." -- unknown
> "Windows: Microsoft's tax on computer illiterates." -- WE7U
>
>
> ---
> You are currently subscribed to aprssig as: joe@dellabarba.com
> To unsubscribe send a blank email to leave-aprssig-842K@lists.tapr.org
> Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org
>
>

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260. [aprssig] European 9600 baud monitoring

From: Bob Bruninga <bruninga@usna.edu>
Date: Thu, 10 Jan 2002 10:39:10 -0500 (EST)
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-56386-2002.01.10-10.08.48--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

If there is anyone in Europe that would like to monitor the PCsat 9600 baud donwlink from now until 21 Jan and capture all PCSat GPS data, and forward it to us, let us know. We only need one dedicated station...

de WB4APR, Bob

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261. [aprssig] Re: APRIL OKC Marathon and APRS

From: Ralph Milnes <milnes1@rcn.com>
Date: Thu, 10 Jan 2002 11:35:58 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-56396-2002.01.10-11.05.49--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Hi, Mark.

Did anyone ever respond to your marathon question?

If not, I'd be happy to help. We can do that privately or on the SIG. You can also search the APRS SIG archives for past discussions on "marathon" and "race"   http://www.tapr.org/tapr/html/sigf.html

There are several different approaches and techniques in using APRS during races. At some point, I think you'll want to bring your questions back to the SIG to get other perspectives. Asking a very specific question will usually bring out the true experts.

73,

Ralph, KC2RLM

1. I would like someone to tell me which APRS program is preferred (UI-VIEW or WINAPRS are ones that come to mind). I am creating maps, and would like to move points on the map (relay exchange points, water stops, AID locations etc..) without much difficulty during the race. Being able to beacon their location is not required. The points I would like to beacon requiring mobile APRS would be the SAG vehicles, lead vehicle and the like that would require about ten APRS units and Transmitters. The rest of the points may be "static" points that do not require beaconing, but just dynamic "ID's" on the map that may be changed either by changing a table of points, or moving the simbology.

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262. [aprssig] Re: FCC NPRM: GPS via FRS

From: "Timothy J. Salo" <salo@saloits.com>
Date: Thu, 10 Jan 2002 10:50:06 -0600 (CST)
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-56399-2002.01.10-11.29.26--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

> Date: Sat, 5 Jan 2002 12:32:39 -0500 (EST)
> From: Bob Bruninga <bruninga@usna.edu>
> Subject: [aprssig] Re: FCC NPRM: GPS via FRS

>
> Everyone on APRS should file FCC comments suggesting that there are 20,000
> HAMs that have been doing this since 1992 using the internationally
> recognized AX.25 packet radio protocol.   Any applications on FRS would
> benefit from adhereing to this existing compatible protocol.
>
> On Fri, 4 Jan 2002, Cap Pennell wrote:
> > >   [...]
> > > NPRM LOOKS TOWARD ALLOWING GPS DATA TO BE SENT VIA FRS
> > >   [...]
> > > http://hraunfoss.fcc.gov/edocs_public/attachmatch/FCC-01-366A1.doc

I believe that submitting comments of this nature would be imprudent, at best.

William C. Houlne submitted comments that said essentially this (along with a bunch of other stuff I didn't understand on my first reading of his document). To find Mr. Houlne's comments, go to the FCC's Electronic Comment Filing System page at:

http://www.fcc.gov/e-file/ecfs.html

and search for Proceeding "01-339" under "Search for Filed Comments".

The FCC rejected this line of reasoning in their NPRM, available at the URL listed in Cap's e-mail:

http://hraunfoss.fcc.gov/edocs_public/attachmatch/FCC-01-366A1.doc

Specifically, the FCC said, to quote from the NPRM:

10. ... Further, we disagree with Mr. Houlne and tentatively conclude that it is unnecessary to amend the rules to specify methods and standards, such as the AX.25 standard and the Automatic Position Reporting System used by amateur radio operators, with respect to the data transmission itself.   We believe that specifying exact methods and standards would limit the flexibility of manufactures to incorporate new technologies as they are developed. We invite comment on whether there are any other changes to our Rules that would allow manufacturers to develop additional means of incorporating GPS information into FRS radios. ...

Given that the FCC has rejected the argument once, I doubt that a pile of comments from amateurs repeating the same argument would be particularly useful.

Note that the FCC's basis for rejecting Mr Houlne's suggestion, namely that the FCC doesn't want to limit the flexibility of manufactures to develop new technologies, appears to be deeply held by the current Commission, and so very compelling evidence would be required in order to violate this guideline in this instance.

-tjs

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263. [aprssig] USB-to-DB9 Adapters and AGWPE

From: Ralph Milnes <milnes1@rcn.com>
Date: Thu, 10 Jan 2002 12:03:39 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-56401-2002.01.10-11.33.16--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

I'm trying to find a USB-to-DB9 adapter that will work with AGWPE (and APRS).

I bought one from Belkin (F5U109) that works fine with TNCs (and I assume GPSs), but it won't work for PTT switching. AGWPE and other sound card programs control the radio PTT line via the DTR (#4) and/or RTS (#7) lines. The Belkin product puts a steady voltage on those lines (perhaps as a way to feed power to PDAs?).

Any knowledgeable USB/Serial folks out there? Should I be able to find an adapter that doesn't do this?

73,

Ralph, KC2RLM
www.qsl.net/soundcardpacket/

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---

264. [aprssig] Re: TT II

From: "Curt Mills, WE7U" <hacker@tc.fluke.com>
Date: Thu, 10 Jan 2002 09:26:27 -0800 (PST)
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: TAPR APRS Special Interest Group <aprssig@lists.tapr.org>
Message-ID: <LYR842-56404-2002.01.10-11.56.20--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

On Thu, 10 Jan 2002, Joe Della Barba wrote:

> I have tried two different desktop machines, but no laptops yet. I have
> tried both straight and null modem cables. I even plugged the thing right
> in. It is driving me nuts. I am bout to mail the chip back and tell whoever
> made it to program it with my callsign and mail it back to me!
> Anyway, thanks for the help. The most frustrating part is why it reads the
> GPS fine.

It might be prudent to take this off-line pretty soon, but I'll give it another shot here on the list. It might help someone else attempting to troubleshoot their unit.

Did you check the solder connections and components from the two pins on the microprocessor, through any resistors, to the DE-9 connector? Make sure that you didn't miss something there. Do a continuity and resistance check with a meter just to make sure.

If it's a Tinytrak-II, you need to use the Tinytrak-II configure program. If it's a Tinytrak-I, then of course use the TinyTrak-I program.

Do you have a Palm or Handspring PDA? Have you installed the software for them? If so, they like to hang on to the serial port unless you disable them. Can you use the serial port for other things via a terminal program? Anything else that might have latched on to your serial port and might not let go?

What OS are you running? I've run the config programs on Win95 and WinNT. It's possible they might not work properly on Win98, WinME, or Win2000. I don't know 'cuz I haven't tried them.

The TinyTrak, if built per the instructions, will plug directly onto the PC. That's your surest method of making sure the wiring is correct between the PC and the TinyTrak.

You might also power cycle the Tinytrak after hooking it to the PC. See if it starts to respond to you via the "Version" button.

I played with one recently that keeps getting zapped by RF because it is mounted _very_ close to a 5W transmitter. We're working on getting it isolated via a metal box and ferrites and such. Anyway with this one after it gets zapped it doesn't like to talk. Clicking on the "version" or the "read config" buttons doesn't work, but clicking on the "write config" button does work. After that it starts talking nicely again to the computer. Perhaps yours got into that condition.

I've found that a cap across the base and emitter of the PTT transistor works wonders as well. In strong RF fields the TinyTrak can lock up into continuous transmit without this cap. I'm also starting to put caps around the 78L05 and across the uP in an attempt to make this particular unit more bulletproof. It's a friend's unit. My main unit, inside an ammo-can with a 50W transmitter, does just fine.

I just looked you up. You're at the other end of the country from me, else I would have offered to try configuring it for you.

Hang in there.

Curt Mills, WE7U   hacker.NO_*SPAM@tc.fluke.com
Senior Methods Engineer/SysAdmin
"Lotto: A tax on people who are bad at math." -- unknown
"Windows: Microsoft's tax on computer illiterates." -- WE7U

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---

265. [aprssig] Re: APRIL OKC Marathon and APRS

From: Jeff Brenton KA9VNV <jeffb@csrye.org>
Date: Thu, 10 Jan 2002 11:47:32 -0600
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-56406-2002.01.10-12.17.04--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

I've been quiet, because I figured someone would have pointed Mark
towards the DOS APRS documentation, which covers Marathons and
features of APRS that work well with such activities.

http://dididahdahdidit.com/dosaprs.php for those who don't want to
download the 1MB DOS APRS ZIP file from TAPR.ORG...

RM> Did anyone ever respond to your marathon question?

RM> If not, I'd be happy to help. We can do that privately or on the SIG. You
RM> can also search the APRS SIG archives for past discussions on "marathon"
RM> and "race"   http://www.tapr.org/tapr/html/sigf.html

RM> There are several different approaches and techniques in using APRS during
RM> races. At some point, I think you'll want to bring your questions back to
RM> the SIG to get other perspectives. Asking a very specific question will
RM> usually bring out the true experts.

--
Best regards,
 Jeff   mailto:jeffb@csrye.org

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---

266. [aprssig] Re: GPS III+ Problems

From: Earl Needham <needhame@yucca.net>
Date: Thu, 10 Jan 2002 10:57:09 -0700
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-56412-2002.01.10-12.30.12--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

At 10:31 PM 1/4/2002 -0700, Valentino Sarro wrote about not being able to
acquire sats with a GPS-3+.

        I had exactly the same problem with my 2+ when it was new. It took Garmin
two tries, but they finally got it fixed. The problem was a bad BNC connector.

        7 3
        Earl

****
Earl Needham, KD5XB mailto:needhame@yucca.net
Clovis, New Mexico
KD5XB-2>APU24L,WA5IHL-11,K5BEN-15,WA5IHL-7,W5SF-1,K5CQH-15,WB5EKP-1*,TRACE7-1:=3425.84N/10313.56W-[DM84]
Pet peeve #1: You look at a "SITE" with your "SIGHT".
Pet peeve #2: "Congratulations" does NOT have a "d" in it.
Old pet peeve: People who get themselves on a mailing list and then can't
figure out how to get OFF the list, then repeatedly sending "unsubscribe"
or "remove" as one-word messages to the list.

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267. [aprssig] GARMIN COLOR CHOICES

From: "Gun Steele" <synerco@dodgecity.net>
Date: Thu, 10 Jan 2002 12:03:58 -0600
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-56413-2002.01.10-12.34.50--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

I finally reached someone at Garmin by phone with the following details:

Colormap StreetPilot (non-talking) NMEA output only (no waypoints from D700)

StreetPilot III Voice Automated NMEA output & input (with current upgrade)
Additional coverage out in the hinterlands for the direction/speaking
function
due in the next couple of months. Most metro implementation for now.

176C (large color marine) NMEA output & input, but straight line info only
None of the direction bells & whistles.

I guess it comes down to pricepoint (SP III $700+ & 176C $475+) or features.
The low profile appeals to me as well as the split screen (map & speed), so
I will go with the SP III and figure on moving it from vehicle to vehicle.

GUN W0GUN

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268. [aprssig] Re: FCC NPRM: GPS via FRS

From: Earl Needham <needhame@yucca.net>
Date: Thu, 10 Jan 2002 11:07:55 -0700
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-56414-2002.01.10-12.39.31--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

At 05:34 PM 1/6/2002 -0500, Mike Yetsko wrote:
>I think Bob is right here.
>
>There is NOTHING that prohibits a HAM from taking ANY data
>from MOST sources and putting it on the air, however if a HAM
>does that, it is the HAMs responsibility for the data adhering to
>amateur rules and regs.
>
>There are regs that prohibit certain 'rebroadcast' unless it's from the
>HAM originally, and it might be an interesting case if a HAM received
>FRS and 'rebroadcast' it on a HAM frequency. However, making use
>of data by essentially 'digipeating' it would, from the way 'I' read
>things
>would not be at issue. Other than the HAMs responsibility for the
>content IF there were text fields involved.

Seems to me the APRSAir program uses a concept of receiving
information from airliners and sending OBJECT packets instead of
re-transmitting the actual data. Might be a thought for this, too...

7 3
Earl

****
Earl Needham, KD5XB mailto:needhame@yucca.net
Clovis, New Mexico
KD5XB-2>APU24L,WA5IHL-11,K5BEN-15,WA5IHL-7,W5SF-1,K5CQH-15,WB5EKP-1*,TRACE7-1:=3425.84N/10313.56W-[DM84]
Pet peeve #1: You look at a "SITE" with your "SIGHT".
Pet peeve #2: "Congratulations" does NOT have a "d" in it.
Old pet peeve: People who get themselves on a mailing list and then can't
figure out how to get OFF the list, then repeatedly sending "unsubscribe"
or "remove" as one-word messages to the list.

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---

269. [aprssig] Re: APRIL OKC Marathon and APRS

From: Bob Bruninga <bruninga@usna.edu>
Date: Thu, 10 Jan 2002 13:24:36 -0500 (EST)
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: TAPR APRS Special Interest Group <aprssig@lists.tapr.org>
Message-ID: <LYR842-56420-2002.01.10-12.54.16--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

On Thu, 10 Jan 2002, Ralph Milnes wrote about Marathons:

> location is not required. The points I would like to beacon requiring
> mobile APRS would be the SAG vehicles, lead vehicle and the like that would
> require about ten APRS units and Transmitters.

Excellent. But for small marathons, the LEAD is the least important,
because APRSdos long ago recognized that the LEAD is 100% predictible
within a few hundred yards throughtout the race, so a special version of
APRSdos was written that will dead-reckon the movement of the LEAD runner
(as well as any other Runner placed on the route...).

Thus everyone monritoring our events not only sees the important vehicles,
but also, interesting runners such as:

1) Lead Handicapped (Usually out in front due to wheels) (10 Kts)
2) Lead Male (9 Kts)
3) Lead Female (8kts)
4) Pack (7 kts)
5) Juggler (one guy juggled the whole way) 5 kts
6) TAIL (This one must have APRS and GPS as it is unpredictible)

Only one person has to run APRSdr (Dead Reckon) and any object placed on
the "course" will be automatically deadreckoned as an object and
transmitted once a minute to everyone else. To everyone else, running any
kind of APRS software under the sun, these runners look just as if they
had GPS on them....

The operator of the APRSdr simply monitors the voice nets and when ever he
hears of an "observation", he just checks his display and if it is current
(It ususallly is right on) he does nothing. But if the dead reckoned
object is ahead or behind, he just clicks it, moves it, and hits enter and
now it will DR from there onward.

This really simplifies a lot of logistics.
Also, this same person can be moving all other logistics ICOns as they
move about based on what he heares on the voice nets. Thus, HIS display
is always perfect, and HIS display updates everyone else in real time.

This is what APRS was designed to do.
If you have GPS, then that is just icing on the cake.
But dont overlook the cake!

APRSdr has to be installed over an exsiting APRSdos directory:

   ftp://tapr.org/aprssig/dosstuff/APRSdos/aprsdr.zip

Read APRSdr.txt on how to use it...

P.S. ANY APRS program can be used this way as long as the runners are
given a COURSE and SPEED. But then you have to be attentive around
corners and change these around corners. The only thing APRSdr does is
watch the RACECOURSE itself and automatically change the HEADING at all
corners for you so there is no human intervention unless the DR soultion
gets more thansay a hundred yards off.

Remember in the early days of GPS with 100 yards of SA ambiguity, the DR
approach was usually MORE acurate! On our small 10K runs, etc, we only
use APRSdr and dont bother much with any tracketrs.

It lets those people with Kenwood HT's standing at a street corner see
when the runner is .1 mile away and that is when he alerts the cop to
prepare to stop
traffic... No voice comms needed.

de WB4APR@amsat.org, Bob

```
PCsat WEB  page     http://www.ew.usna.edu/~bruninga/pcsat.html
ISS-APRS FAQ:       http://www.ew.usna.edu/~bruninga/iss-faq.html
CUBESAT Designs     http://www.ew.usna.edu/~bruninga/cubesat.html
APRS LIVE pages     http://www.ew.usna.edu/~bruninga/aprs.html
APRS SATELLITES     http://www.ew.usna.edu/~bruninga/astars.html
MIM/Mic-E/Mic-Lite  http://www.toad.net/~wclement/bruninga/mic-lite.html
```

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---

270. [aprssig] Re: IRLP Future - PL disable

From: WA8LMF2@aol.com
Date: Thu, 10 Jan 2002 13:57:22 EST
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-56422-2002.01.10-13.27.16--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

In a message dated 1/10/2002 5:55:40 AM Pacific Standard Time,
bruninga@usna.edu writes:

> Ill ask Kenwood to put this in their next radio (hi hi).
> A simple magnet in the dashboard HOOK and a magenetic reed switch in the
> microphone would sense the off-hook condition!

The standard land-mobile approach (ever since Motorola introduced "PL" --
Private Line (r) in the late 50's/early 60's)   has been an additional
conductor in the mic cord connected to the hanger button in the back of the
mic case. The hanger clip mounted on the dash (or where-ever) is grounded
(derives from the days when vehicles actually had metal dashboards that were
part of the vehicle chassis). Base station desk mics always have two buttons
in their base - one is the standard normally-open PTT; the other ("Monitor")
is a normally-closed push button that defeats the PL when pressed.

```
Stephen H. Smith                   wa8lmf @ aol.com
Home Page:
http://members.aol.com/wa8lmf
Ham Radio/Mobile SSTV page:     http://members.aol.com/wa8lmf/ham
APRS Stuff
http://members.aol.com/wa8lmf/aprs
-----------------------------------------------------------------------------

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|    GPS Custom Mapping    &     Radio Coverage Surveys
|    File Conversions       MS-Windows Setups       VISCII Fonts
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---

271. [aprssig] PCsat DX

From: Bob Bruninga <bruninga@usna.edu>
Date: Thu, 10 Jan 2002 14:03:46 -0500 (EST)
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-56423-2002.01.10-13.33.26--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

While doing my kids Radio club at his school, I left my mobile on PCsat
freq and when I came back to parking lot In Maryland USA, I had captured
a posit from G7IED in IO83MW (England) over a path of 3627 miles
(5800km). Nice DX!

de WB4APR@amsat.org, Bob

```
PCsat WEB  page     http://www.ew.usna.edu/~bruninga/pcsat.html
```

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Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

272. [aprssig] Re: USB-to-DB9 Adapters and AGWPE

From: WA8LMF2@aol.com
Date: Thu, 10 Jan 2002 15:24:06 EST
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: milnes1@rcn.com
Message-ID: <LYR842-56439-2002.01.10-14.53.56--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

In a message dated 1/10/2002 9:06:51 AM Pacific Standard Time, milnes1@rcn.com writes:

> Any knowledgeable USB/Serial folks out there? Should I be able to find an
> adapter that doesn't do this?

Probably not. The serial port created by these devices is purely a logical one. The hardware PTT control implemented on traditional "real" serial ports by ham applications is almost always done by direct writing to the uart control register addresses (or as close to that as the operating system will allow) to allow the unorthodox use of these lines independent of the data transmission.

The assumption of the USB-to-serial adapters is that you want to transmit data streams through the TXD/RXD lines and leave the register-level control up to the operating system. They would not expect APPLICATIONs to do bit-fiddling with RTS/CTS/DSR etc; only be the originator/receipient of data streams.

You will find this whole issue of unorthodox use of port handshake lines by ham applications will get even worse with XP since it's NT-heritage behavior is to do everything it can to prevent end-runs by applications trying to bypass the OS and talk directly to hardware.

In the future, probably a tone-keyed (vox-operated) interface will be the only easy way to key radios. (Unless you want to develop a specialized USB-to-multiple-single-bit interface and provide it with a system-level driver that ham apps could then call.) (Or provide sound card interfaces with TCP/IP connections that would plug into your Ethernet card or hub.)

```
Stephen H. Smith                   wa8lmf @ aol.com
Home Page:
http://members.aol.com/wa8lmf
Ham Radio/Mobile SSTV page:     http://members.aol.com/wa8lmf/ham
APRS Stuff
http://members.aol.com/wa8lmf/aprs
------------------------------------------------------------------------------

----------
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|                Consulting and Systems Integration
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273. [aprssig] Re: USB-to-DB9 Adapters and AGWPE

From: Alex <kr1st@amsat.org>
Date: Thu, 10 Jan 2002 15:33:43 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: TAPR APRS Special Interest Group <aprssig@lists.tapr.org>
Message-ID: <LYR842-56440-2002.01.10-15.03.22--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

I haven't played with AGWPE in a while, but I thought it would let you use a printer port for the PTT, if that's available on your computer of course.

73s,
--Alex

Ralph Milnes wrote:

> AGWPE and other sound card
> programs control the radio PTT line via the DTR (#4) and/or RTS (#7) lines.

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274. [aprssig] Re: I-Gates

From: "Tim Cunningham" <tim_cunningham@mindspring.com>
Date: Thu, 10 Jan 2002 14:29:26 -0600
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-56442-2002.01.10-15.07.36--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Hi Tom,

We use the Gate Icon with an "I" overlay to indicate an IGate
with our APRSPlus IGate system in Huntsville, AL. We had
been using the TCPIP icon in the past, but made the change
in recent months since it seemed to make sense. This scenario
makes the station more identifiable when seeing the letter
I beside the Gate icon on the Kenwood handheld or overlayed
on the other APRS software maps.

73's,

Tim - N8DEU
Huntsville, Alabama

> Has a symbol been concurred upon for an I-Gate and if so what is it?
> Tom
> ke4kwe@mindspring.com
>

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Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

---

275. [aprssig] Re: I-Gates

From: Bob Bruninga <bruninga@usna.edu>
Date: Thu, 10 Jan 2002 16:00:09 -0500 (EST)
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: TAPR APRS Special Interest Group <aprssig@lists.tapr.org>
Message-ID: <LYR842-56444-2002.01.10-15.29.48--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

On Thu, 10 Jan 2002, Tim Cunningham wrote about IGate ICONS:

> We use the Gate Icon with an "I" overlay... This makes the station
> more identifiable when seeing the letter "I" beside the Gate icon on the
> Kenwood handheld or overlayed on the other APRS software maps.

Thanks Tim, I forgot that one. I remember seeing the Gate Icons with
the overlay I on the front panel of my radio while traveling over XMAS and
it really looks nice! Now that I think of it, I was driving through North
Alabama and it was your IGate!

Now if for no other reaason, that should convince them to use the right
Icon. This way HF gates also show up nicely on the front panel.

de WB4APR, Bob

```
---
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```

---

276. [aprssig] Re: I-Gates

```
From: Robbie Robertson <mwrobertson@attbi.com>
Date: Thu, 10 Jan 2002 16:03:23 -0600
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: TAPR APRS Special Interest Group <aprssig@lists.tapr.org>
Message-ID: <LYR842-56450-2002.01.10-16.32.38--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain
```

```
Hi Bob and all,

I thought the tcp/ip was primarily to indicate that I am
connected to the internet, but that I AM NOT an I-Gate.. When I
see tcp/ip, I think of them doing what I am doing, hi... I like
the Green Star with the "I" overlay also to indicate an I-Gate...

Robbie

Bob Bruninga wrote:
>
> On Thu, 10 Jan 2002, Tim Cunningham wrote about IGate ICONS:
>
> > We use the Gate Icon with an "I" overlay...  This makes the station
> > more identifiable when seeing the letter "I" beside the Gate icon on the
> > Kenwood handheld or overlayed on the other APRS software maps.
>
> Thanks Tim, I forgot that one.  I remember seeing the Gate Icons with
> the overlay I on the front panel of my radio while traveling over XMAS and
> it really looks nice!  Now that I think of it, I was driving through North
> Alabama and it was your IGate!
>
> Now if for no other reaason, that should convince them to use the right
> Icon.  This way HF gates also show up nicely on the front panel.
>
> de WB4APR, Bob
>
> ---
> You are currently subscribed to aprssig as: mwrobertson@attbi.com
> To unsubscribe send a blank email to leave-aprssig-842K@lists.tapr.org
> Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

--

- Robbie Robertson -
...-.- wa9inf ...-.-

---
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```

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277. [aprssig] Re: I-Gates

```
From: "Rich Garcia" <k4gps@arrl.net>
Date: Thu, 10 Jan 2002 17:17:55 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: TAPR APRS Special Interest Group <aprssig@lists.tapr.org>
Message-ID: <LYR842-56457-2002.01.10-16.47.23--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain
```

```
BUT what about stations like me, I got a Igate up now and have my HF
gate up now ?IG?2I ? I just call it the Tri-Mode Gate in my beacon.

On 10 Jan 2002 at 16:00, Bob Bruninga wrote:

On Thu, 10 Jan 2002, Tim Cunningham wrote about IGate ICONS:

> We use the Gate Icon with an "I" overlay...  This makes the station
> more identifiable when seeing the letter "I" beside the Gate icon on the
> Kenwood handheld or overlayed on the other APRS software maps.

Thanks Tim, I forgot that one.  I remember seeing the Gate Icons with
the overlay I on the front panel of my radio while traveling over
```

XMAS and
it really looks nice! Now that I think of it, I was driving through
North
Alabama and it was your IGate!

Now if for no other reaason, that should convince them to use the
right
Icon. This way HF gates also show up nicely on the front panel.

de WB4APR, Bob

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Questions regarding the SIG go to the SIG administrator:
wa1lou@tapr.org
Rich Garcia K4GPS Ex: KA2FXA and N2CZF
k4gps@arrl.net
Jupiter Farms, Florida
http://www.jupiterfarmscert.org

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Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

---

278. [aprssig] Re: I-Gates

From: WA8LMF2@aol.com
Date: Thu, 10 Jan 2002 17:23:12 EST
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: k4gps@arrl.net
Message-ID: <LYR842-56461-2002.01.10-16.53.10--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

In a message dated 1/10/2002 2:19:45 PM Pacific Standard Time, k4gps@arrl.net writes:

> BUT what about stations like me, I got a Igate up now and have my HF
> gate up now ?IG?2I ? I just call it the Tri-Mode Gate in my beacon.
>

For your case, how about the letter "O" (or the number "zero" which looks about the same) overlaid for "Omni-gate"

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---

279. [aprssig] Interesting!

From: Earl Needham <needhame@yucca.net>
Date: Thu, 10 Jan 2002 15:32:28 -0700
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-56467-2002.01.10-17.03.32--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Why would one use this type of path? The SGATE just doesn't make any sense to me.

```
        CALLSIGN>APP115,WA5IHL-4,KB5ZFA-15,WA5IHL-11*,SGATE:
```

Earl

****
Earl Needham, KD5XB mailto:needhame@yucca.net
Clovis, New Mexico
KD5XB-2>APU24L,WA5IHL-11,K5BEN-15,WA5IHL-7,W5SF-1,K5CQH-15,WB5EKP-1*,TRACE7-1:=3425.84N/10313.56W-[DM84]
Pet peeve #1: You look at a "SITE" with your "SIGHT".
Pet peeve #2: "Congratulations" does NOT have a "d" in it.
Old pet peeve: People who get themselves on a mailing list and then can't figure out how to get OFF the list, then repeatedly sending "unsubscribe" or "remove" as one-word messages to the list.

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280. [aprssig] Re: I-Gates

From: Bob Bruninga <bruninga@usna.edu>
Date: Thu, 10 Jan 2002 17:58:04 -0500 (EST)
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: TAPR APRS Special Interest Group <aprssig@lists.tapr.org>
Message-ID: <LYR842-56472-2002.01.10-17.27.50--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

On Thu, 10 Jan 2002, Robbie Robertson wrote:

> I thought the tcp/ip was primarily to indicate that I am
> connected to the internet, but that I AM NOT an I-Gate.. When I
> see tcp/ip, I think of them doing what I am doing, hi... I like
> the Green Star with the "I" overlay also to indicate an I-Gate...

Good point!

How many actual on-air-TCPIP networks are there?
And the only reason for the icon was so that they could beacon their posit
every now and then so that someone scanning freuqncies would see what
kind of "service" was on that channel and where.

Maybe in APRS we should do what you suggest:

1) ABANDON the definition that TCPIP ICON was for actual TCPIP on-air
2) Define it to be like you, Conected to the internet but NOT GATING
3) All IGates use the GATEWAY Icon with "I" overlay

Actually the actual on-air-TCPIP-packet networks can still use the ICON
and since they are not on an APRS FREQUEWNCY, then we will know
immediately the difference...

I can go along with that! Great thinking...
(or why did it take me so long to see that which was obvious)

 Bob
> > Robbie >
> Bob Bruninga wrote:
> >
> > On Thu, 10 Jan 2002, Tim Cunningham wrote about IGate ICONS:
> >
> > > We use the Gate Icon with an "I" overlay... This makes the station
> > > more identifiable when seeing the letter "I" beside the Gate icon on the
> > > Kenwood handheld or overlayed on the other APRS software maps.
> >
> > Thanks Tim, I forgot that one. I remember seeing the Gate Icons with
> > the overlay I on the front panel of my radio while traveling over XMAS and
> > it really looks nice! Now that I think of it, I was driving through North
> > Alabama and it was your IGate!
> >
> > Now if for no other reaason, that should convince them to use the right
> > Icon. This way HF gates also show up nicely on the front panel.
> >
> > de WB4APR, Bob
> >
> > ---
> > You are currently subscribed to aprssig as: mwrobertson@attbi.com
> > To unsubscribe send a blank email to leave-aprssig-842K@lists.tapr.org
> > Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org
>
> --
>
> - Robbie Robertson -
> ...-.- wa9inf ...-.-
>

de WB4APR@amsat.org, Bob

PCsat WEB page   http://www.ew.usna.edu/~bruninga/pcsat.html
ISS-APRS FAQ: http://www.ew.usna.edu/~bruninga/iss-faq.html
CUBESAT Designs   http://www.ew.usna.edu/~bruninga/cubesat.html
APRS LIVE pages   http://www.ew.usna.edu/~bruninga/aprs.html

```
APRS SATELLITES     http://www.ew.usna.edu/~bruninga/astars.html
MIM/Mic-E/Mic-Lite  http://www.toad.net/~wclement/bruninga/mic-lite.html


---
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Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org
```

---

281. [aprssig] PCsat

```
From: Bob Bruninga <bruninga@usna.edu>
Date: Thu, 10 Jan 2002 18:35:40 -0500 (EST)
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: <amsat-bb@amsat.org>
Message-ID: <LYR842-56482-2002.01.10-18.05.25--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain
```

```
I reset the TNC-A on PCsat and it is now sending down valid $GPGGA posits
on 145.83 from its own GPS as it flies along... BUT they are preceeded by
a LINEFEED.  Notice 6 or more satellites in lock...

ALSO it is sending down $GPGGA on 144.39 but that is stuck at 9600 baud
still...  This condition will remain until about 1200Z or so on Friday
which is my next pass...

I cannot find the command in the Kantronics manual to send to PCsat's TNC
to say IGNORE LINEFEEDS that it is getting from the GPS on the serial
port.  In a TAPR-2 clone TNC, that command wwould simply be LFIgnore...
But Not in Kantronics or I am having a brain glitch...

On the ground you should be able to  have your TNC do an LFI or equivalent
on the ground to ignore the LF and then your APRS should track PCsat!

Im late for my kids School Play so gotta run, but I left the GPS on even
though its batteries are low, because it is in SUN anyway... and should
dump the GPS if batteries get too low..  I woiuld ask you to go easy on
the messaging tonight so we can see how well the GPS works for a day...

de WB4APR@amsat.org, Bob

PCsat WEB  page     http://www.ew.usna.edu/~bruninga/pcsat.html


---
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Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org
```

---

282. [aprssig] Re: PCsat

```
From: "Ronald Reams" <wa4mjf@worldnet.att.net>
Date: Thu, 10 Jan 2002 19:07:21 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-56501-2002.01.10-18.37.45--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain
```

```
Bob, do you mean LFADD OFF

73 de Ronnie


----- Original Message -----
From: "Bob Bruninga" <bruninga@usna.edu>
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: <amsat-bb@amsat.org>
Sent: Thursday, January 10, 2002 18:35
Subject: [aprssig] PCsat


I reset the TNC-A on PCsat and it is now sending down valid $GPGGA posits
on 145.83 from its own GPS as it flies along... BUT they are preceeded by
a LINEFEED.  Notice 6 or more satellites in lock...

ALSO it is sending down $GPGGA on 144.39 but that is stuck at 9600 baud
still...  This condition will remain until about 1200Z or so on Friday
which is my next pass...

I cannot find the command in the Kantronics manual to send to PCsat's TNC
to say IGNORE LINEFEEDS that it is getting from the GPS on the serial
port.  In a TAPR-2 clone TNC, that command wwould simply be LFIgnore...
```

But Not in Kantronics or I am having a brain glitch...

On the ground you should be able to have your TNC do an LFI or equivalent
on the ground to ignore the LF and then your APRS should track PCsat!

Im late for my kids School Play so gotta run, but I left the GPS on even
though its batteries are low, because it is in SUN anyway... and should
dump the GPS if batteries get too low.. I woiuld ask you to go easy on
the messaging tonight so we can see how well the GPS works for a day...

de WB4APR@amsat.org, Bob

PCsat WEB page   http://www.ew.usna.edu/~bruninga/pcsat.html

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283. [aprssig] PCsat

From: "Ronald Reams" <wa4mjf@worldnet.att.net>
Date: Thu, 10 Jan 2002 19:08:33 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-56502-2002.01.10-18.38.52--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Bob, do you mean LFADD OFF
or LFSUP ON?

73 de Ronnie

----- Original Message -----
From: "Bob Bruninga" <bruninga@usna.edu>
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: <amsat-bb@amsat.org>
Sent: Thursday, January 10, 2002 18:35
Subject: [aprssig] PCsat

I reset the TNC-A on PCsat and it is now sending down valid $GPGGA posits
on 145.83 from its own GPS as it flies along... BUT they are preceeded by
a LINEFEED. Notice 6 or more satellites in lock...

ALSO it is sending down $GPGGA on 144.39 but that is stuck at 9600 baud
still... This condition will remain until about 1200Z or so on Friday
which is my next pass...

I cannot find the command in the Kantronics manual to send to PCsat's TNC
to say IGNORE LINEFEEDS that it is getting from the GPS on the serial
port. In a TAPR-2 clone TNC, that command wwould simply be LFIgnore...
But Not in Kantronics or I am having a brain glitch...

On the ground you should be able to have your TNC do an LFI or equivalent
on the ground to ignore the LF and then your APRS should track PCsat!

Im late for my kids School Play so gotta run, but I left the GPS on even
though its batteries are low, because it is in SUN anyway... and should
dump the GPS if batteries get too low.. I woiuld ask you to go easy on
the messaging tonight so we can see how well the GPS works for a day...

de WB4APR@amsat.org, Bob

PCsat WEB page   http://www.ew.usna.edu/~bruninga/pcsat.html

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284. [aprssig] Re: I-Gates

From: "Kurt O. Jauss" <kf6hjo@earthlink.net>
Date: Thu, 10 Jan 2002 16:28:10 -0800
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: TAPR APRS Special Interest Group <aprssig@lists.tapr.org>
Message-ID: <LYR842-56504-2002.01.10-18.57.46--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

```
Ok;
I have a question now. I run an Igate using WINAPRS and a weather station. Should
I use the IGATE symbol or weather?  Right now I get around this by using the
weather icon but my Status text states Wx and IGATE.

Bob Bruninga wrote:

> <snip>
> 3) All IGates use the GATEWAY Icon with "I" overlay

    <snip>

--
  Kurt O. Jauss
     kf6hjo@earthlink.net
         3630.45N  11940.50W     144.39Mhz
       Selma Ca.    {APRS Weather & GPS Tracker}
    SKYWARN member  Hanford Ca. NWS
              DOSAPRS/WAPRS/APRS+SA
 For Selma weather    http://www.findu.com/cgi-bin/wxpage.cgi?KF6HJO
Want to find my truck?  http://www.findu.com/cgi-bin/find.cgi?kf6hjo-7




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```

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285. [aprssig] FS:KPC-9612+

From: Valentino Sarro <sarrov@telusplanet.net>
Date: Thu, 10 Jan 2002 20:03:52 -0700
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-56531-2002.01.10-21.33.43--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

```
I have a KPC-9612+ TNC for sale.

Has current firmware, and the 3rd port option installed.

Can operate 3 ports/radios simultaneously:

Port 1: 1200bps.
Port 2: 9600bps-38.4kbps (56k with a crystal change).
Port 3: 1200bps.


If interesed, or for more information, please contact me directly off
the list.

Cheers,
Tino - VE6SZR
Calgary, Alberta

ve6szr@rac.ca

---
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```

---

286. [aprssig] RE: aprssig digest: January 03, 2002

From: Neil Johnson <njohnsn@iowatelecom.net>
Date: Thu, 10 Jan 2002 22:17:03 -0600
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-56542-2002.01.10-22.46.41--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

```
On Saturday 05 January 2002 12:39 am, Jon Adams wrote:

> email, huh??? Here in PHX many of the more modern convenience store and gas
> station Circle Ks run an 802.11b network, named "tsunami", which is
> apparently used for point of sale and maybe inventory/gas pump stuff.

Seesh! "tsunami" is the default 802.11b SSID used in CISCO Aironet Wireless
devices.

When will people learn (shaking head).

-Neil

---
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```

---

287. [aprssig] Re: Re: Sometimes There's a Timestamp....

From: John Vause <jdv@iglou.com>
Date: Thu, 10 Jan 2002 23:31:25 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: TAPR APRS Special Interest Group <aprssig@lists.tapr.org>
Message-ID: <LYR842-56550-2002.01.10-23.01.07--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

```
I use Tardis for ntp time sync on my WinAPRS/NT 4.0 Igate. It runs as a
service and has configurable automated time sync intervals, a
configurable list of ntp servers, it can as a ntp server for a local
network, it will accept GPS-input for timing, etc. There is also a
Win9x/Me version available.
The URL:
        http://www.kaska.demon.co.uk/

73

>>snip<<
> There are also network time sync programs available for Windows and I'm
> sure other desktop OSs, but many (most? all?) of them are "one shot"
> programs that will set the clock when run, but won't manage it on an
> automatic basis.  That's where ntp really shines.
>
> 73,
> John N8UR
> jra@febo.com
>
> --On Thursday, January 10, 2002 9:30 AM -0500 Ronald Reams
> <wa4mjf@worldnet.att.net> wrote:
>
> > OK, did not know it was that complicated.
> >
> > I run a 30 < > 2 Meter gate and an APRSDAT station
> > and every morning when I calibrate one of my R-390As (always
> > seems to be off a few cycles, as I do NOT run the oven), I spin
> > up to 7335 kcs (no kHz on this oldie, but goodie) and check the
> > 'puter clocks on the gate and APRSDAT (that one has to be right
> > to get the pass data right!) against CHU.
> >
> > Did not know that the Igates were that much different.
> >
> > 73 de Ronnie
>
--
* John Vause  KF4ERV  jdv@igloudot.com                *
* NOTE: email address altered for benefit of Spambots *
* "Necessity is the plea of every infringement of     *
*  human freedom. It is the argument of tyrants;      *
*  it is the creed of slaves." -- William Pitt        *
--

---
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```

---

288. [aprssig] APRIL OKC Marathon and APRS

From: "WL7FT" <wl7ft@mmcable.com>
Date: Fri, 11 Jan 2002 10:43:03 -0600
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-56552-2002.01.10-23.13.20--lyris.aprssig#tapr.org@lists.tapr.org>

Rendered body type: text/plain

I have had an outpouring of support and discussion of many facets of what it takes, the many varying opinions of which program is best, and Some quite interesting viewpoints as to the necessity of using APRS during marathon operations.

Work has taken it's toll this week, as I have had very little time to extend towards replying to each and every one of those who were polite enough to answer my questions.

As far as the marathon is concerned, we are pressing on full steam to get APRS instituted into our marathon operations.

I still have had no takers as to my question about the VISOR handheld PDA and the pinouts on the serial cable. Basically will the Magellan or Delorme GPS module that plugs directly into the PDA work with APRS thru the 8 pin connection at the bottom?

Which cable should I get in order to ensure that I have the right cable/wires as some cables do not have all the wires connected to the port. The charger cord is the cheapest (19 bucks) but does it have all the wires to connect it to an TNC/Tiny Tracker?

I'll go out and buy the GPS unit, but I can't seem to get a straight answer from anyone as to which cable to use and if the pocket ARPS supports using the internal GPS unit?

Many thanks
73 de WL7FT/Mark

-----Original Message-----
From: Ralph Milnes [mailto:milnes1@rcn.com]
Sent: Thursday, January 10, 2002 10:36 AM
To: WL7FT; aprssig@tapr.org
Subject: Re: APRIL OKC Marathon and APRS

Hi, Mark.

Did anyone ever respond to your marathon question?

If not, I'd be happy to help. We can do that privately or on the SIG. You can also search the APRS SIG archives for past discussions on "marathon" and "race"   http://www.tapr.org/tapr/html/sigf.html

There are several different approaches and techniques in using APRS during races. At some point, I think you'll want to bring your questions back to the SIG to get other perspectives. Asking a very specific question will usually bring out the true experts.

73,

Ralph, KC2RLM

1. I would like someone to tell me which APRS program is preferred (UI-VIEW or WINAPRS are ones that come to mind). I am creating maps, and would like to move points on the map (relay exchange points, water stops, AID locations etc..) without much difficulty during the race. Being able to beacon their location is not required. The points I would like to beacon requiring mobile APRS would be the SAG vehicles, lead vehicle and the like that would require about ten APRS units and Transmitters. The rest of the points may be "static" points that do not require beaconing, but just dynamic "ID's" on the map that may be changed either by changing a table of points, or moving the simbology.

Incoming mail is certified Virus Free.
Checked by AVG anti-virus system (http://www.grisoft.com).
Version: 6.0.307 / Virus Database: 168 - Release Date: 12/11/2001

Outgoing mail is certified Virus Free.
Checked by AVG anti-virus system (http://www.grisoft.com).
Version: 6.0.307 / Virus Database: 168 - Release Date: 12/11/2001

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```

289. [aprssig] Re: Kam XL

```
From: Skip Allison <sallison@megsinet.net>
Date: Fri, 11 Jan 2002 00:25:23 -0600
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-56574-2002.01.11-00.55.41--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain
```

```
The KAM XL just came out.  I think you mean they're discontinuing the
KAM98.  THAT was a bad idea!  I never could figure out why anyone would
buy that.  Less features and higher cost!  The KAM XL looks pretty cool
- although a little expensive.

Skip
K9SA

Ronald Reams wrote:
>
> That definitely was not one of Kantronics "better ideas".
>
> They have discontinued the KAM XL and are goin' back to
> a dual port ala KAMPlus (cna't remember name, but it is on the
> Kantronics website.
>

---
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```

290. [aprssig] PCSAT pass

```
From: "Arnold 'Arnie' Johnson" <arniej@gis.net>
Date: Fri, 11 Jan 2002 07:34:37 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-56592-2002.01.11-07.05.25--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain
```

```
Good morning all.

Just had a nice PCSAT pass up the east coast.

N8TLV - coord. put him about St. John's, Newfoundland at 1000 miles.
K4MLS-1 - 1113 miles
W2KQ - no position, not in LIST, but with MSG.

Also saw a G4??? & EI???? but neither show up in the LIST on my TH-7Ag. Too
bad. Those would have been nice for distance. Maybe in the future!

Arnie, N1BAC


---
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Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org
```

291. [aprssig] Non APRS packets on PCsat

```
From: Bob Bruninga <bruninga@usna.edu>
Date: Fri, 11 Jan 2002 10:14:31 -0500 (EST)
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: TAPR APRS Special Interest Group <aprssig@lists.tapr.org>,
        <amsat-bb@amsat.org>
Message-ID: <LYR842-56600-2002.01.11-09.44.14--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain
```

```
On Fri, 11 Jan 2002, Arnold 'Arnie' Johnson  had a nice PCSAT pass up the
east coast [USA]:
>
> N8TLV - coord. put him about St. John's, Newfoundland at 1000 miles.
> K4MLS-1 - 1113 miles
> W2KQ - no position, not in LIST, but with MSG.
>
> Also saw a G4??? & EI???? but neither show up in the LIST on my TH-7Ag. Too
> bad. Those would have been nice for distance. Maybe in the future!

Yes, if they would use APRS or GRID Square formats then all of the mobiles
```

and handhelds would capture them. As it is, the display only flashes
their callsign with a "??" and nothing else. So a lost opportunity for a
contact...

For stations not running APRS or Kenwoods APRS radios, the easiest format
to use will be the GRID formats. Here are examples for FM19SS

[FM19SS] comment goes here
>FM19SS/- comment goes here

THe first one is the old GRID format (Must be 6 bytes with brackets)
The second one is the new Grid format and the /- indicates a HOUSE Icon.
Other Icons are

/> car
/< motorcycle
/[walking person with HT
/; Tent (portable)
/Y Sailboat
/V ATV station
/^ Airplane
/s Boat
/j Jeep
/R Recreation Vehicle
/t ruck
/v Van

And the THD7 can only display 20 chars of comment text but the D700
can display 28 characters.

de WB4APR, Bob

 PCsat WEB page   http://www.ew.usna.edu/~bruninga/pcsat.html
ISS-APRS FAQ: http://www.ew.usna.edu/~bruninga/iss-faq.html
CUBESAT Designs   http://www.ew.usna.edu/~bruninga/cubesat.html
APRS LIVE pages   http://www.ew.usna.edu/~bruninga/aprs.html
APRS SATELLITES   http://www.ew.usna.edu/~bruninga/astars.html
MIM/Mic-E/Mic-Lite http://www.toad.net/~wclement/bruninga/mic-lite.html

---
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Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

---

292. [aprssig] PCsat GPS is ON and working well!

From: Bob Bruninga <bruninga@usna.edu>
Date: Fri, 11 Jan 2002 11:00:07 -0500 (EST)
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-56604-2002.01.11-10.29.50--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

PCsat is now downlinking $GPGGA positions every 30 seconds on both 145.83
and 144.39 at 1200 baud. It is maintining lock on 10 to 12 satellties
consistently. Mobiles should see it in their station LISTS.

As of 1540z the 145.83 side should even see the DIGI ICON with "S" overlay
showing it as a SPACE digiepater.! We will try to do the same for the
144.39 side but that wont be able to reconfigure till 1900z.

To better get the attention of folks we may again shift the callsign from
W3ADO-1 to PCSAT-1 so that it is more noticible on their mobile displays.
W3ADO-1 will still be supported as an ALIAS.

After some initial experimenting yesterday, this morning we enabled the
GPS to downlink $GPGGA on both 145.83 and 144.39 and switched B to 1200
baud. And after uploading new KEPS to the GPS engine on board, it got
lock in 5 minutes. In full sun and with 9600 UHF RX's off we are in
steady state at about 12.5 volts per cell.

This sun should last through 21 Jan and so we hope to keep the GPS on
throughout. But toward the end, we may have to turn the GPS off on some
orbits if batteries go much lower...

I think it is safe to say that we will not use the 9600 baud UHF receivers
on PCsat any more and so long term users should plan on all sharing the
1200 baud uplinks. This is because they must be off in eclipse to save
power, and while in full sun, having them off gives us just enough
additiinal power to keep the GPS on all the time. Therefore, there is

```
little benefit to playing with the UHF uplink.

Still we solicit any one with a special need or application, or remote
travelers to apply for additional special access, messaging and modes...

de WB4APR@amsat.org, Bob

PCsat WEB  page     http://www.ew.usna.edu/~bruninga/pcsat.html
ISS-APRS FAQ:       http://www.ew.usna.edu/~bruninga/iss-faq.html
CUBESAT Designs     http://www.ew.usna.edu/~bruninga/cubesat.html
APRS LIVE pages     http://www.ew.usna.edu/~bruninga/aprs.html
APRS SATELLITES     http://www.ew.usna.edu/~bruninga/astars.html
MIM/Mic-E/Mic-Lite  http://www.toad.net/~wclement/bruninga/mic-lite.html


---
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```

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293. [aprssig] Re: APRIL OKC Marathon and APRS

From: "Curt Mills, WE7U" <hacker@tc.fluke.com>
Date: Fri, 11 Jan 2002 09:23:31 -0800 (PST)
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: TAPR APRS Special Interest Group <aprssig@lists.tapr.org>
Message-ID: <LYR842-56622-2002.01.11-11.53.33--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

```
On Fri, 11 Jan 2002, WL7FT wrote:

> I still have had no takers as to my question about the VISOR handheld PDA
> and the pinouts on the serial cable.  Basically will the Magellan or Delorme
> GPS module that plugs directly into the PDA work with APRS thru the 8 pin
> connection at the bottom?
>
> Which cable should I get in order to ensure that I have the right
> cable/wires as some cables do not have all the wires connected to the port.
> The charger cord is the cheapest (19 bucks) but does it have all the wires
> to connect it to an TNC/Tiny Tracker?
>
> I'll go out and buy the GPS unit, but I can't seem to get a straight answer
> from anyone as to which cable to use and if the pocket ARPS supports using
> the internal GPS unit?

I own a Visor Deluxe (the Blue one).  I have tried using pocketAPRS
along with a Paccomm PicoPacket dual-port TNC, a 2m HT, and assorted
GPS'es.  The problem comes in with the PicoPacket which generates too
much noise near the HT to be able to receive much.  It transmits ok
though.

I believe pocketAPRS is designed to use either the PicoPacket or the
Kantronics KPC-3+.  This is so that the GPS can be plugged into the
2nd serial port on the TNC, and the PDA can query the TNC
periodically for an NMEA string from the GPS.

As far as the GPS'es that plug into the Springboard slot, you'd have
to ask Mike Musick whether there's support for that.

Another possibility is the 1200/9600 baud TNC that fits in a
Springboard slot, soon to be available from ShineMicro.com.  I have
one in my hands (early unit), and so does Mike.  He was working on
possible support for it in pocketAPRS but I don't know if he's there
yet.  It should allow you to plug the radio into the springboard
TNC, and a normal serial GPS into the serial connector on the Visor.

BTW:  The connector on the bottom of the Visor provides a USB port
and one serial port.  The serial port has _no_ hardware handshaking,
so it's only a three-wire interface, unlike the Palm PDA's which
provide 2 more signals for hardware handshaking.  :-(

www.pocketaprs.com will get you lots of info and I think Mike
Musick's email address.  If not, ask me and I'll send it to you.

Curt Mills, WE7U                        hacker.NO_*SPAM@tc.fluke.com
Senior Methods Engineer/SysAdmin
"Lotto:    A tax on people who are bad at math." -- unknown
"Windows:  Microsoft's tax on computer illiterates." -- WE7U
```

```
---
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Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org
```

294. [aprssig] Re: APRIL OKC Marathon and APRS

From: Bob Bruninga <bruninga@usna.edu>
Date: Fri, 11 Jan 2002 12:56:56 -0500 (EST)
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: TAPR APRS Special Interest Group <aprssig@lists.tapr.org>
Message-ID: <LYR842-56647-2002.01.11-12.26.39--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

```
On Fri, 11 Jan 2002, Curt Mills, WE7U wrote:

> I own a Visor Deluxe (the Blue one).  I have tried using pocketAPRS
> along with a Paccomm PicoPacket dual-port TNC, a 2m HT, and assorted
> GPS'es.  The problem comes in with the PicoPacket which generates too
> much noise near the HT to be able to receive much.
>
> I believe pocketAPRS is designed to use either the PicoPacket or the
> Kantronics KPC-3+.  This is so that the GPS can be plugged into the
> 2nd serial port on the TNC, and the PDA can query the TNC
> periodically for an NMEA string from the GPS.

What kind of suitcase do you use to carry all that stuff? <GRIN>

I would rephrase your sentence to say that the "pocketAPRS" is designed to
use" The Kenwood HT  where all you do is plug the PALM into the radio.  No
muss, no fuss...

The Palm is a shirt pocket device, the D7 is the equivalent of
everything else (a radio, a power system, a TNC and an antenna system)
But then if you have the D7 and a GPS, with their displays, then you have
everything else just about, and dont need the PALM...

So maybe the best application of the PALM is with the ALinco DR135 which
has the built-in TNC but none of the D7 displays...

OOPS, silly me.  Anyone with a dumb tracker now, with any radio and any
TNC would drastically benefit from the PALM as the user interface...

NEVERMIND my comments.  I was thinking HANDHELD portable stations (great
for a Palm) but overlooking the great additon of a PALM to a mobile with
external TNC's etc.. as a
great step forward..

Crawling back under my rock now...

Bob

>
> As far as the GPS'es that plug into the Springboard slot, you'd have
> to ask Mike Musick whether there's support for that.
>
> Another possibility is the 1200/9600 baud TNC that fits in a
> Springboard slot, soon to be available from ShineMicro.com.  I have
> one in my hands (early unit), and so does Mike.  He was working on
> possible support for it in pocketAPRS but I don't know if he's there
> yet.  It should allow you to plug the radio into the springboard
> TNC, and a normal serial GPS into the serial connector on the Visor.
>
> BTW:  The connector on the bottom of the Visor provides a USB port
> and one serial port.  The serial port has _no_ hardware handshaking,
> so it's only a three-wire interface, unlike the Palm PDA's which
> provide 2 more signals for hardware handshaking.  :-(
>
> www.pocketaprs.com will get you lots of info and I think Mike
> Musick's email address.  If not, ask me and I'll send it to you.
>
> Curt Mills, WE7U                         hacker.NO_*SPAM@tc.fluke.com
> Senior Methods Engineer/SysAdmin
> "Lotto:    A tax on people who are bad at math." -- unknown
> "Windows:  Microsoft's tax on computer illiterates." -- WE7U
>
>
> ---
> You are currently subscribed to aprssig as: bruninga@usna.edu
> To unsubscribe send a blank email to leave-aprssig-842K@lists.tapr.org
```

> Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org
>

de WB4APR@amsat.org, Bob

```
PCsat WEB  page     http://www.ew.usna.edu/~bruninga/pcsat.html
ISS-APRS FAQ:       http://www.ew.usna.edu/~bruninga/iss-faq.html
CUBESAT Designs     http://www.ew.usna.edu/~bruninga/cubesat.html
APRS LIVE pages     http://www.ew.usna.edu/~bruninga/aprs.html
APRS SATELLITES     http://www.ew.usna.edu/~bruninga/astars.html
MIM/Mic-E/Mic-Lite  http://www.toad.net/~wclement/bruninga/mic-lite.html
```

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295. [aprssig] Re: USB-to-DB9 Adapters and AGWPE

From: "hasan schiers" <schiers@netins.net>
Date: Fri, 11 Jan 2002 12:28:23 -0600
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: <milnes1@rcn.com>
Message-ID: <LYR842-56657-2002.01.11-13.04.04--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

I'm using a USB > Serial adapter for PTT keying for both ChromaPix and
MixW32 and it works perfectly....well sort of...every time I reboot the
serial-on-usb com port number changes...but at least it works. I have found
some that work and some that don't. I'm at the office right now, so I can't
tell you whether it's a Belkin or one of the cheapie ones I got for 25
bucks.

...hasan
----- Original Message -----
From: <WA8LMF2@aol.com>
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: <milnes1@rcn.com>
Sent: Thursday, January 10, 2002 2:24 PM
Subject: [aprssig] Re: USB-to-DB9 Adapters and AGWPE

> In a message dated 1/10/2002 9:06:51 AM Pacific Standard Time,
> milnes1@rcn.com writes:
>
> > Any knowledgeable USB/Serial folks out there? Should I be able to find
an
> > adapter that doesn't do this?
> >
>
> Probably not. The serial port created by these devices is purely a
logical
> one. The hardware PTT control implemented on traditional "real" serial
ports
> by ham applications is almost always done by direct writing to the uart
> control register addresses (or as close to that as the operating system
will
> allow) to allow the unorthodox use of these lines independent of the data
> transmission.
>
> The assumption of the USB-to-serial adapters is that you want to transmit
> data streams through the TXD/RXD lines and leave the register-level
control
> up to the operating system. They would not expect APPLICATIONs to do
> bit-fiddling with RTS/CTS/DSR etc; only be the originator/receipient of
data
> streams.
>
> You will find this whole issue of unorthodox use of port handshake lines
by
> ham applications will get even worse with XP since it's NT-heritage
behavior
> is to do everything it can to prevent end-runs by applications trying to
> bypass the OS and talk directly to hardware.
>
> In the future, probably a tone-keyed (vox-operated) interface will be the
> only easy way to key radios. (Unless you want to develop a specialized
> USB-to-multiple-single-bit interface and provide it with a system-level
> driver that ham apps could then call.) (Or provide sound card interfaces

```
> with TCP/IP connections that would plug into your Ethernet card or hub.)
>
> Stephen H. Smith                   wa8lmf @ aol.com
> Home Page:
> http://members.aol.com/wa8lmf
> Ham Radio/Mobile SSTV page:     http://members.aol.com/wa8lmf/ham
> APRS Stuff
> http://members.aol.com/wa8lmf/aprs
> -------------------------------------------------------------------------
----
>
> ----------
> |    Radio Communications Systems       Personal Computers
> |                Consulting and Systems Integration
> |    GPS Custom Mapping    &     Radio Coverage Surveys
> |    File Conversions       MS-Windows Setups       VISCII Fonts
> -------------------------------------------------------------------------
----
>
> -----------
>
> ---
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> Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org
>
>
```

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---

296. [aprssig] Hawaii and Bad Keps for PCsat

From: Bob Bruninga <bruninga@usna.edu>
Date: Fri, 11 Jan 2002 14:24:51 -0500 (EST)
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-56662-2002.01.11-13.54.47--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

I just downloaded (now at 1900z 11 Jan) from CELESTRACK the amateur.txt
file and the keps for PCsat for EPOC 02010.5648.... are off by
half an orbit!

I reloaded from 20 Dec, and keps are within a degree of the correct
position (and also as confirmed from the onboard GPS)

But WHO is IGating from Hawaii?   PCsat was over the south pacific and
this is the first time I see data from Hawaii on the worldwide APRS
feed... (I'm on the ahubcentral.net)?

de WB4APR@amsat.org, Bob

```
PCsat WEB  page     http://www.ew.usna.edu/~bruninga/pcsat.html
ISS-APRS FAQ:       http://www.ew.usna.edu/~bruninga/iss-faq.html
CUBESAT Designs     http://www.ew.usna.edu/~bruninga/cubesat.html
APRS LIVE pages     http://www.ew.usna.edu/~bruninga/aprs.html
APRS SATELLITES     http://www.ew.usna.edu/~bruninga/astars.html
MIM/Mic-E/Mic-Lite  http://www.toad.net/~wclement/bruninga/mic-lite.html
```

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Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

---

297. [aprssig] Re: USB-to-DB9 Adapters and AGWPE

From: Claude Head <k5dtn@swbell.net>
Date: Fri, 11 Jan 2002 14:48:37 -0600
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: TAPR APRS Special Interest Group <aprssig@lists.tapr.org>, milnes1@rcn.com
Message-ID: <LYR842-56673-2002.01.11-15.18.21--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Have not acually tried this, but it looks good and
sounds good. Might be worth checking into.

http://pfranc.com/usb/usb.shtml

```
73, Claude Head
      K5DTN

hasan schiers wrote:

> I'm using a USB > Serial adapter for PTT keying for both ChromaPix and
> MixW32 and it works perfectly....well sort of...every time I reboot the
> serial-on-usb com port number changes...but at least it works. I have found
> some that work and some that don't. I'm at the office right now, so I can't
> tell you whether it's a Belkin or one of the cheapie ones I got for 25
> bucks.
>
> ...hasan



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Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org
```

298. [aprssig] TNOSaprs 1.11 / JNOSaprs 1.11 available - supports tcp/ip client connections

```
From: Maiko Langelaar <maiko@slmsoft.com>
Date: Fri, 11 Jan 2002 15:30:04 -0600
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-56680-2002.01.11-15.49.21--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain
```

```
Greetings,

I am pleased to announce Release 1.11 of TNOSaprs and JNOSaprs.

This latest release allows APRS clients to directly connect to NOSaprs
over the internet, or your local LAN, using standard tcp/ip protocol.

The port allows clients to send APRS information to the internet system,
but NOT receive the deluge of information back. This is ideal for stations
that simply want to monitor for APRS traffic, and nothing more.

This is the first step of a bigger project. I envision expanding the
port so that clients can negotiate what type of traffic they want to
handle, but that's still a ways away ...

For complete details, please visit my website at the following URL :

   http://www.qsl.net/ve4klm/packet/aprss.html

73 Maiko Langelaar / VE4KLM

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```

299. [aprssig] Re: Kam XL

```
From: "Brian F250" <froby@earthlink.net>
Date: Fri, 11 Jan 2002 14:10:30 -0800
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: <aprssig@lists.tapr.org>
Message-ID: <LYR842-56684-2002.01.11-16.40.23--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain
```

```
I had heard about the XL, if it is out then Kantronics does not care about
letting anyone know that logs onto www.kantronics.com

I cannot for the life of me figure out why companies have web pages if they
are not kept up to date.



----- Original Message -----
From: "Skip Allison" <sallison@megsinet.net>
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Sent: Thursday, January 10, 2002 10:25 PM
Subject: [aprssig] Re: Kam XL


> The KAM XL just came out.  I think you mean they're discontinuing the
```

> KAM98. THAT was a bad idea! I never could figure out why anyone would
> buy that. Less features and higher cost! The KAM XL looks pretty cool
> - although a little expensive.
>
> Skip
> K9SA
>
> Ronald Reams wrote:
> >
> > That definitely was not one of Kantronics "better ideas".
> >
> > They have discontinued the KAM XL and are goin' back to
> > a dual port ala KAMPlus (cna't remember name, but it is on the
> > Kantronics website.
> >
>
> ---
> You are currently subscribed to aprssig as: froby@earthlink.net
> To unsubscribe send a blank email to leave-aprssig-842K@lists.tapr.org
> Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org
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Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

---

300. [aprssig] Re: GPS and FRS

From: WA8LMF2@aol.com
Date: Fri, 11 Jan 2002 17:31:43 EST
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: tedant@nwinfo.net
Message-ID: <LYR842-56685-2002.01.11-17.01.32--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

In a message dated 1/11/02 1:31:06 PM Pacific Standard Time,
tedant@nwinfo.net writes:

> The
> hiker reported himself lost using his FRS radio. I am not sure who
> originally heard him, but when Yakima County SAR and Central Mountain
> Rescue teams arrived on location communications were maintained with the
> subject thru the night and throughout the next day using FRS.

> Strangely enough, while this was underway, on the other end of the county
> an elk hunter became lost and did not return to his camp overnight.
Another
> SAR team spent most of the day locating him. He also had an FRS radio and
> was in communication with the team but was also very lost.
>

What distance was this communcations conducted over?

I'm really surprised that it was usable over any distance at all. How
congested is FRS in your neck of the woods?

```
Stephen H. Smith                   wa8lmf @ aol.com
Home Page:
http://members.aol.com/wa8lmf
Ham Radio/Mobile SSTV page:     http://members.aol.com/wa8lmf/ham
APRS Stuff
http://members.aol.com/wa8lmf/aprs
-----------------------------------------------------------------------------

----------
|    Radio Communications Systems       Personal Computers
|                Consulting and Systems Integration
|    GPS Custom Mapping    &     Radio Coverage Surveys
|    File Conversions       MS-Windows Setups       VISCII Fonts
-----------------------------------------------------------------------------

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Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

301. [aprssig] Re: Kam XL

From: WA8LMF2@aol.com
Date: Fri, 11 Jan 2002 17:35:45 EST
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-56686-2002.01.11-17.05.34--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

```
In a message dated 1/11/02 2:12:39 PM Pacific Standard Time,
froby@earthlink.net writes:

>
>  I cannot for the life of me figure out why companies have web pages if they
>  are not kept up to date.
>

Because management says "Gee whiz lets get with it, be trendy and put up a
Web presence" and,  fails to understand this isn't a one-shot project but
rather a never-ending commitment of resources to update, update, update
......

Stephen H. Smith                   wa8lmf @ aol.com
Home Page:
http://members.aol.com/wa8lmf
Ham Radio/Mobile SSTV page:     http://members.aol.com/wa8lmf/ham
APRS Stuff
http://members.aol.com/wa8lmf/aprs
-------------------------------------------------------------------------------

----------
|    Radio Communications Systems       Personal Computers
|                Consulting and Systems Integration
|    GPS Custom Mapping    &     Radio Coverage Surveys
|    File Conversions       MS-Windows Setups       VISCII Fonts
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Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org
```

302. [aprssig] PCsat GPS off at 2251z

From: Bob Bruninga <bruninga@usna.edu>
Date: Fri, 11 Jan 2002 17:59:49 -0500 (EST)
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-56687-2002.01.11-17.29.34--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

```
PCsat GPS worked flawlessly all day today, but at 2252z the side A TNC
reset due to low power so we did not turn the GPS back on.

The power budget was doing ok all day, but this evening (friday evening
fun time) there were lots of new folks on the bird and all the additional
user load dropped us below 1.18 volts per cell, so we decided to turn the
GPS off for the rest of the night.   We will try to turn it back on at 1140z
for saturday ops.

Continued use of PCsat by all users (at low duty cycles) is still OK.
We forgot to re-enable UI digipeating, so digipeat via W3ADO-1 is
authorized...

de WB4APR@amsat.org, Bob

PCsat WEB  page     http://www.ew.usna.edu/~bruninga/pcsat.html
ISS-APRS FAQ:       http://www.ew.usna.edu/~bruninga/iss-faq.html


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To unsubscribe send a blank email to leave-aprssig-842K@lists.tapr.org
Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org
```

303. [aprssig] Re: USB-to-DB9 Adapters and AGWPE

From: Earl Needham <needhame@yucca.net>
Date: Fri, 11 Jan 2002 16:11:59 -0700
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>

Message-ID: <LYR842-56688-2002.01.11-17.45.03--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

```
At 02:48 PM 1/11/2002 -0600, Claude Head wrote:
>Have not acually tried this, but it looks good and
>sounds good. Might be worth checking into.
>
>http://pfranc.com/usb/usb.shtml
>
>73, Claude Head
>       K5DTN

         I've got one, and it works FB, keeping the same serial port all
the time.

         7 3
         Earl


*********************************************************
Earl Needham, KD5XB mailto:needhame@yucca.net
Clovis, New Mexico
KD5XB-2>APU24L,WA5IHL-11,K5BEN-15,WA5IHL-7,W5SF-1,K5CQH-15,WB5EKP-1*,TRACE7-
1:=3425.84N/10313.56W-[DM84]
Pet peeve #1: You look at a "SITE" with your "SIGHT".
Pet peeve #2: "Congratulations" does NOT have a "d" in it.
Old pet peeve: People who get themselves on a mailing list and then can't
figure out how to get OFF the list, then repeatedly sending "unsubscribe"
or "remove" as one-word messages to the list.


---
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```

304. [aprssig] Update Pocket APRS maps

From: Henk de Groot <henk.de.groot@hetnet.nl>
Date: Sat, 12 Jan 2002 00:38:28 +0100
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-56689-2002.01.11-18.08.17--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

```
Hello All,

For your information.

I updated my homepage with a new PocketAPRS map for France, also usable with APRS/CE and Xastir (Not in
WinAPRS, it seems to be buggy and only take maps with granularity set to 10).

Last time I forgot to tell, also the World map has been updated. Due to a generation error it contained
3 times the same data. Since 1 time is more than enough I corrected this. The map became smaler
obviously...

Like other European maps this map is also based on a WinAPRS DCW map as this is the only vector-map
source I have and which is usable.

You can find the new map, with other maps, on:
http://www.homepages.hetnet.nl/~pe1dnn/
(You may have to reload the map if you have a cached copy).

Kind regards,

Henk.


---
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```

305. [aprssig] KamPlus and APRS-SAquestion

From: ko4qc@mindspring.com
Date: Fri, 11 Jan 2002 19:01:34 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-56699-2002.01.11-18.36.34--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Could someone please tell me how to change between VHF and HF ports in
APRS-SA with the KamPlus?The ~A and |A dosnt seem to work...:>)

Tnx Joel

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---

306. [aprssig] MicroWeather update

From: "David R. Andersen" <k0rx@uiowa.edu>
Date: Fri, 11 Jan 2002 18:05:29 -0600
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-56700-2002.01.11-18.36.57--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

I want to give you a quick update on MicroWeather weather station development progress. Noteworthy things are happening on several different fronts.

1) The question I have been asked the most is: "When are you going to have the 1-wire anemometer working?" I'm pleased to say that as of this afternoon it is running on my development station. I've got some things to clean up but anticipate having a beta version ready for distribution next week. My development code is running with a "Version 2" (the one with the 8-DS2401 silicon serial numbers in the wind direction vane) 1-wire anemometer. The "Version 3" (the one you can currently buy at http://www.aag.com.mx/weather.html - it uses a single DS2450 A/D) anemometer code is a very straightforward addition (version 3 is a much better design, in my opinion) and will be available a few days after the version 2 release. If you have a MicroWeather board up and running, and also a 1-wire weather station, I would be very interested in having you beta-test my code. Please let me know if you are interested. A MicroWeather production firmware release including the 1-wire anemometer will follow within a couple of weeks. The rain gauge should be completed on about the same timeframe.

2) I have just recently released version 1.0.1 of the MicroWeather firmware. In addition to the usual enhancements etc. this version includes a bootloader. Now, you no longer need access to a PIC programmer in order to update your firmware to the latest version. Details are in the file uwx101.zip on the project web page.

3) This weekend I will be moving the project web page to a different server. This project has grown beyond the scope of qsl.net. No, Al didn't ask me to move the page, but I feel that as this project has grown in complexity, it has gone beyond the scope of what I envisioned when I first asked him about hosting the page there. I will leave a client-pull thingie at the old page, so that you will be automatically re-directed to the new page when the time comes. Thus, for the forseeable future you will be able to get to the project page by going to http://www.qsl.net/k0rx/uWx. Thanks for the support Al!

4) I am close to opening up orders to international addresses. Check the page late next week for details.

73 and thanks for your interest in MicroWeather!

Dave K0RX
http://www.qsl.net/k0rx/uWx

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---

307. [aprssig] Re: KamPlus and APRS-SAquestion

From: "Ronald Reams" <wa4mjf@worldnet.att.net>
Date: Fri, 11 Jan 2002 19:17:54 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-56702-2002.01.11-18.48.15--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Not sure what kinda APRS you got, but in APRSDOS
just go Controls - Bands and pick HF or VHF....

73 de Ronnie

----- Original Message -----
From: <ko4qc@mindspring.com>
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>

Sent: Friday, January 11, 2002 19:01
Subject: [aprssig] KamPlus and APRS-SAquestion

Could someone please tell me how to change between VHF and HF ports in
APRS-SA with the KamPlus?The ~A and |A dosnt seem to work...:>)

Tnx Joel

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---

308. [aprssig] Re: GPGGA SENTENCE

From: Hamish Moffatt <hamish@cloud.net.au>
Date: Sat, 12 Jan 2002 11:37:15 +1100
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-56709-2002.01.11-19.06.56--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

On Wed, Jan 09, 2002 at 09:31:51AM -0800, Craig Brunson wrote:
> Just the TinyTrak-II, not the original TinyTrak will work with GPGGA
> (altitude information).

There was a later version of the code for the original TinyTrak
which did support GPGGA.

Hamish
--
Hamish Moffatt VK3SB <hamish@debian.org> <hamish@cloud.net.au>

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---

309. [aprssig] Re: Sometimes There's a Timestamp....

From: Hamish Moffatt <hamish@cloud.net.au>
Date: Sat, 12 Jan 2002 11:45:24 +1100
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-56725-2002.01.11-19.15.03--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

On Thu, Jan 10, 2002 at 10:06:36AM -0500, Ronald Reams wrote:
> Gee, we hams oughta use radio for somethin' :-)

Your computer clock will be far more accurate if set through
the internet than if you set it by hand off the radio..

HF time stations (WWV etc) are useful if you don't have the
Internet though.

Hamish
--
Hamish Moffatt VK3SB <hamish@debian.org> <hamish@cloud.net.au>

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---

310. [aprssig] Re: Kam XL

From: Alex <kr1st@amsat.org>
Date: Fri, 11 Jan 2002 20:16:42 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-56748-2002.01.11-19.48.22--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Well, it's there, and it has been there for a while at:

http://www.kantronics.com/kamXL.htm

They have a rather large red flashing link on the opening page too, accompanied by large print text "New Product" and "Now Available".

Ok, enough free advertisement on my part, time for another All-in-1 HT
ad.

73s,
--Alex

Brian F250 wrote:
>
> I had heard about the XL, if it is out then Kantronics does not care about
> letting anyone know that logs onto www.kantronics.com
>
> I cannot for the life of me figure out why companies have web pages if they
> are not kept up to date.
>
> ----- Original Message -----
> From: "Skip Allison" <sallison@megsinet.net>
> To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
> Sent: Thursday, January 10, 2002 10:25 PM
> Subject: [aprssig] Re: Kam XL
>
> > The KAM XL just came out. I think you mean they're discontinuing the
> > KAM98. THAT was a bad idea! I never could figure out why anyone would
> > buy that. Less features and higher cost! The KAM XL looks pretty cool
> > - although a little expensive.
> >
> > Skip
> > K9SA
> >
> > Ronald Reams wrote:
> > >
> > > That definitely was not one of Kantronics "better ideas".
> > >
> > > They have discontinued the KAM XL and are goin' back to
> > > a dual port ala KAMPlus (cna't remember name, but it is on the
> > > Kantronics website.
> > >
> >
> > ---
> > You are currently subscribed to aprssig as: froby@earthlink.net
> > To unsubscribe send a blank email to leave-aprssig-842K@lists.tapr.org
> > Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org
> >
>
> ---
> You are currently subscribed to aprssig as: kr1st@amsat.org
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---

311. [aprssig] APRS in the Carribean

From: "Rory" <rdowler@magma.ca>
Date: Fri, 11 Jan 2002 21:39:05 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-56750-2002.01.11-21.08.40--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

I am going on a cruise in a few weeks and plan to take my
TH D7 and GPS along. We will be visiting Jamaica, Cuba, and Cozumel.

Is there any APRS activity? What about 2M voice?

I may try PCSat, depending on the passes.

Any thoughts?

73
Rory VE3RRY

---

312. [aprssig] RE: APRS in the Carribean

From: "Andrew Rich" <andrew.rich@bigpond.com>
Date: Sat, 12 Jan 2002 12:49:53 +1000

To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-56751-2002.01.11-21.17.49--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Mate if I was going to the Carribean I wouldnt worry about APRS

Hi Hi
-----Original Message-----
From: bounce-aprssig-23621@lists.tapr.org
[mailto:bounce-aprssig-23621@lists.tapr.org]On Behalf Of Rory
Sent: Saturday, 12 January 2002 12:39 PM
To: TAPR APRS Special Interest Group
Subject: [aprssig] APRS in the Carribean

I am going on a cruise in a few weeks and plan to take my
TH D7 and GPS along. We will be visiting Jamaica, Cuba, and Cozumel.

Is there any APRS activity? What about 2M voice?

I may try PCSat, depending on the passes.

Any thoughts?

73
Rory VE3RRY

---

313. [aprssig] Re: APRS in the Carribean

From: Bob Bruninga <bruninga@usna.edu>
Date: Fri, 11 Jan 2002 23:08:00 -0500 (EST)
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: TAPR APRS Special Interest Group <aprssig@lists.tapr.org>,
<amsat-bb@amsat.org>
Message-ID: <LYR842-56777-2002.01.11-22.42.40--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

On Fri, 11 Jan 2002, Rory wrote:

> I am going on a cruise in a few weeks and plan to take my
> TH D7 and GPS along. We will be visiting Jamaica, Cuba, and Cozumel.
> Is there any APRS activity? What about 2M voice?
>
> I may try PCSat, depending on the passes.
> Any thoughts?

Wow, everywhere on the planet there is HAM activity from space. You can
use your HT 28 times a day via these satellites:

PCsat	Easy up and down
ISS	very easy up and down IF they are ON
Sapphire	Easy up (but is anyone listening down
Opal (hard to do)	hard up and down (not recommended unless really bored)
UO22	Easy up
UO-14	VOICE Easy up but congested
AO-27	VOICE Easy up but congested (Days only)

ALl of the EASIES can be done with just a 19" whip antenna. The ones
listed as not easy ARE EASY if you have a handheld 4 element or so UHF
beam.

FOrgetting Opal, that is 6 satellites at 5 passes a day each for a total
of 28 passes a day from anywhere.

As a bonefide DX traveler I will give you access to the PCsat special low
power user uplink so that you can come down on 144.39 so that everyone
will see you!

de WB4APR@amsat.org, Bob

PCsat WEB page	http://www.ew.usna.edu/~bruninga/pcsat.html
ISS-APRS FAQ:	http://www.ew.usna.edu/~bruninga/iss-faq.html
CUBESAT Designs	http://www.ew.usna.edu/~bruninga/cubesat.html
APRS LIVE pages	http://www.ew.usna.edu/~bruninga/aprs.html
APRS SATELLITES	http://www.ew.usna.edu/~bruninga/astars.html
MIM/Mic-E/Mic-Lite	http://www.toad.net/~wclement/bruninga/mic-lite.html

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---

314. [aprssig] Re: I-Gates

From: Hamish Moffatt <hamish@cloud.net.au>
Date: Sat, 12 Jan 2002 15:14:17 +1100
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-56778-2002.01.11-22.44.05--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

```
On Thu, Jan 10, 2002 at 05:58:04PM -0500, Bob Bruninga wrote:
> Maybe in APRS we should do what you suggest:
>
> 1) ABANDON the definition that TCPIP ICON was for actual TCPIP on-air
> 2) Define it to be like you, Conected to the internet but NOT GATING
> 3) All IGates use the GATEWAY Icon with "I" overlay

Is there a need to differentiate "connected to the internet but not
gating" from a normal home station? What extra information does
that provide?


Hamish
--
Hamish Moffatt VK3SB <hamish@debian.org> <hamish@cloud.net.au>

---
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```

---

315. [aprssig] RE: aprssig digest: January 03, 2002

From: "Jon Adams" <jon@jonadams.com>
Date: Fri, 11 Jan 2002 21:15:52 -0700
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-56779-2002.01.11-22.45.50--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

```
that's very funny! and really dumb that they don't even change it!!!!!
73 - jon

> -----Original Message-----
> From: Neil Johnson [mailto:njohnsn@iowatelecom.net]
> Sent: Thursday, January 10, 2002 9:17 PM
> To: Jon Adams; TAPR APRS Special Interest Group
> Subject: Re: [aprssig] RE: aprssig digest: January 03, 2002
>
>
> On Saturday 05 January 2002 12:39 am, Jon Adams wrote:
>
> > email, huh??? Here in PHX many of the more modern convenience
> store and gas
> > station Circle Ks run an 802.11b network, named "tsunami", which is
> > apparently used for point of sale and maybe inventory/gas pump stuff.
>
> Seesh! "tsunami" is the default 802.11b SSID used in CISCO
> Aironet Wireless
> devices.
>
> When will people learn (shaking head).
>
> -Neil
>

---
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Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org
```

---

316. [aprssig] Re: USB-to-DB9 Adapters and AGWPE

From: Hamish Moffatt <hamish@cloud.net.au>
Date: Sat, 12 Jan 2002 15:18:29 +1100
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-56780-2002.01.11-22.48.34--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

```
On Thu, Jan 10, 2002 at 03:24:06PM -0500, WA8LMF2@aol.com wrote:
> In the future, probably a tone-keyed (vox-operated) interface will be the
> only easy way to key radios.  (Unless you want to develop a specialized
```

> USB-to-multiple-single-bit interface and provide it with a system-level
> driver that ham apps could then call.) (Or provide sound card interfaces
> with TCP/IP connections that would plug into your Ethernet card or hub.)

Alternatively, you could use the parallel port. There is a third party
driver which you can install on NT/2000 which will allow suitably-written
programs to directly access hardware, including the parallel port.
(It's called DLPORTIO.)

I think the linux soundmodem also supports keying through the
MIDI/joystick interface on most sound cards. I don't know how it
works (I've never tried it).

Hamish
--
Hamish Moffatt VK3SB <hamish@debian.org> <hamish@cloud.net.au>

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To unsubscribe send a blank email to leave-aprssig-842K@lists.tapr.org
Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

---

317. [aprssig] Re: APRS in the Carribean

From: "Andrew Rich" <andrew.rich@bigpond.com>
Date: Sat, 12 Jan 2002 14:48:42 +1000
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>,
<amsat-bb@amsat.org>
Message-ID: <LYR842-56782-2002.01.11-23.16.34--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Have I got these right ?

PCSat	144.390 145.825
ISS	145.800
Sapphire	437.100
Opal	
UO22	435.120
UO14	435.070
AO27	436.798

Andrew VK4TEC

-----Original Message-----
From: bounce-aprssig-23621@lists.tapr.org
[mailto:bounce-aprssig-23621@lists.tapr.org]On Behalf Of Bob Bruninga
Sent: Saturday, 12 January 2002 2:08 PM
To: TAPR APRS Special Interest Group
Cc: TAPR APRS Special Interest Group; amsat-bb@amsat.org
Subject: [aprssig] Re: APRS in the Carribean

On Fri, 11 Jan 2002, Rory wrote:

> I am going on a cruise in a few weeks and plan to take my
> TH D7 and GPS along. We will be visiting Jamaica, Cuba, and Cozumel.
> Is there any APRS activity? What about 2M voice?
>
> I may try PCSat, depending on the passes.
> Any thoughts?

Wow, everywhere on the planet there is HAM activity from space. You can
use your HT 28 times a day via these satellites:

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ISS	very easy up and down IF they are ON
Sapphire	Easy up (but is anyone listening down
Opal (hard to do)	hard up and down (not recommended unless really bored)
UO22	Easy up
UO-14	VOICE Easy up but congested
AO-27	VOICE Easy up but congested (Days only)

ALl of the EASIES can be done with just a 19" whip antenna. The ones
listed as not easy ARE EASY if you have a handheld 4 element or so UHF
beam.

FOrgetting Opal, that is 6 satellites at 5 passes a day each for a total
of 28 passes a day from anywhere.

As a bonefide DX traveler I will give you access to the PCsat special low
power user uplink so that you can come down on 144.39 so that everyone
will see you!

de WB4APR@amsat.org, Bob

PCsat WEB page	http://www.ew.usna.edu/~bruninga/pcsat.html
ISS-APRS FAQ:	http://www.ew.usna.edu/~bruninga/iss-faq.html
CUBESAT Designs	http://www.ew.usna.edu/~bruninga/cubesat.html
APRS LIVE pages	http://www.ew.usna.edu/~bruninga/aprs.html
APRS SATELLITES	http://www.ew.usna.edu/~bruninga/astars.html
MIM/Mic-E/Mic-Lite	http://www.toad.net/~wclement/bruninga/mic-lite.html

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Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

318. [aprssig] Re: APRS in the Carribean

From: Maiko Langelaar <maiko@slmsoft.com>
Date: Sat, 12 Jan 2002 00:21:57 -0600
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: TAPR APRS Special Interest Group <aprssig@lists.tapr.org>
Message-ID: <LYR842-56794-2002.01.12-00.51.31--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Hi Rory,

If you are in the region of CURACAO, LESSER ANTILLES (NETHERLANDS),
then look for the following IGATE :

  map.findu.com/pj2pz

Contact Bob (VE3MCH) or PJ2PZ himself (I believe he is listed in
qrz.com (not 100 percent sure) and ask one of them how it is setup
and what frequency.

73 Maiko / VE4KLM

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319. [aprssig] Re: I-Gates

From: Robbie Robertson <mwrobertson@attbi.com>
Date: Sat, 12 Jan 2002 08:52:00 -0600
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: TAPR APRS Special Interest Group <aprssig@lists.tapr.org>
Message-ID: <LYR842-56823-2002.01.12-09.21.39--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Hi Hamish,

My thoughts only, If I connected to the internet, I could leave
it a few days or a couple weeks.. I would rather someone to see
that I am connected, but I am not operating an I-Gate and cause
someone to alter their path just to make it to me, and then I
disappear on them. It could take them a while to catch the fact
that I am gone, :-)

Robbie

Hamish Moffatt wrote:
>
> On Thu, Jan 10, 2002 at 05:58:04PM -0500, Bob Bruninga wrote:
> > Maybe in APRS we should do what you suggest:
> >
> > 1) ABANDON the definition that TCPIP ICON was for actual TCPIP on-air
> > 2) Define it to be like you, Conected to the internet but NOT GATING
> > 3) All IGates use the GATEWAY Icon with "I" overlay

```
>
> Is there a need to differentiate "connected to the internet but not
> gating" from a normal home station? What extra information does
> that provide?
>
> Hamish
> --
> Hamish Moffatt VK3SB <hamish@debian.org> <hamish@cloud.net.au>
>
> ---
> You are currently subscribed to aprssig as: mwrobertson@attbi.com
> To unsubscribe send a blank email to leave-aprssig-842K@lists.tapr.org
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--

- Robbie Robertson -
...-.- wa9inf ...-.-

---
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Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org
```

---

320. [aprssig] Re: APRS in the Carribean

From: "Al Arnold" <aalarnold@hotmail.com>
Date: Sat, 12 Jan 2002 11:16:59 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: aprssig@lists.tapr.org
Message-ID: <LYR842-56836-2002.01.12-10.46.44--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

```
Hi Rory,

Sounds like fun. The Th-D7 is a great radio to bring along,
you will be able to monitor VHF marine channels which will have
lots of activity and keep you abreast of your own vessels activities. (if
you have a 2 way VHF bring that! you can hail passing sailboats and other
pleasure craft, listen in on yachts stuck on reefs, etc.)

You will find that FRS frequencies are VERY active as well, many people
choose these radios for ship to shore comms, you can also make island
contacts on these things as you pull in and depart.

Dont forget the AM aircraft band on the th-d7! Lots of small planes
and charters down there. The air to air channels are worth programming in.

For the sats I would use your ships itinerary and aproximate the long and
lat and print out the passes on paper and bring them with you so you can be
somewhat ready. I use a PCsat/ISS pager that beeps on a hot  pass and forget
about the scheduals. You may just program the downlinks in and run them on
scan and when it stops and you hear a packet, bobs your uncle!

There should be plenty of willing birds you can work and you might even play
with the satellites if you get a chance.')

Remember to bring a copy of your ham license with you.
You also need a permit to operate in other countries and you can
get info on this from rac.ca

Make sure all your batts are charged and all of your electronics
are in working order. If you have receipts for the gear I would
recommend that you bring copies. Consider declaring and documenting
the gear on entry so that you can prove you bought it in your home country.
Do not use the stock belt clip for the th-d7 and clip it to your belt, (when
off the ship) put it in a fanny pack or other more secure situation. Dont
get sunburned in the first day!!!!

Have fun. al


>
>I am going on a cruise in a few weeks and plan to take my
>TH D7 and GPS along. We will be visiting Jamaica, Cuba, and Cozumel.
>
>Is there any APRS activity? What about 2M voice?
>
>I may try PCSat, depending on the passes.
>
```

>Any thoughts?
>
>73
>Rory VE3RRY

To see where I am on a map, click link below:
http://www.findu.com/cgi-bin/find.cgi?call=va3zen&radar=***

____
Get your FREE download of MSN Explorer at http://explorer.msn.com/intl.asp.

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321. [aprssig] Anohter update of Pocket APRS maps

From: Henk de Groot <henk.de.groot@hetnet.nl>
Date: Sat, 12 Jan 2002 21:27:51 +0100
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-56876-2002.01.12-15.00.51--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Hello All,

For your information.

I updated my homepage with a new PocketAPRS map for Italy, also usable with APRS/CE and Xastir (Not in WinAPRS, it seems to be buggy and only take maps with granularity set to 10).

Like other European maps this map is also based on a WinAPRS DCW map as this is the only vector-map source I have and which is usable.

You can find the new map, with other maps, on:
http://www.homepages.hetnet.nl/~pe1dnn/
(You may have to reload the map if you have a cached copy).

Kind regards,

Henk.

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Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

322. [aprssig] RE: Anohter update of Pocket APRS maps

From: "Andrew Rich" <andrew.rich@bigpond.com>
Date: Sun, 13 Jan 2002 07:18:47 +1000
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-56878-2002.01.12-15.47.32--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

How do I make a map for Pocket APRS ?

-----Original Message-----
From: bounce-aprssig-23621@lists.tapr.org
[mailto:bounce-aprssig-23621@lists.tapr.org]On Behalf Of Henk de Groot
Sent: Sunday, 13 January 2002 6:28 AM
To: TAPR APRS Special Interest Group
Subject: [aprssig] Anohter update of Pocket APRS maps

Hello All,

For your information.

I updated my homepage with a new PocketAPRS map for Italy, also usable with APRS/CE and Xastir (Not in WinAPRS, it seems to be buggy and only take maps with granularity set to 10).

Like other European maps this map is also based on a WinAPRS DCW map as this is the only vector-map source I have and which is usable.

You can find the new map, with other maps, on:
http://www.homepages.hetnet.nl/~pe1dnn/
(You may have to reload the map if you have a cached copy).

Kind regards,

Henk.

You are currently subscribed to aprssig as: andrew.rich@bigpond.com
To unsubscribe send a blank email to leave-aprssig-842K@lists.tapr.org
Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

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323. [aprssig] Re: Anohter update of Pocket APRS maps

From: Keith Sproul <ksproul@vger.rutgers.edu>
Date: Sat, 12 Jan 2002 18:12:58 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: aprssig@lists.tapr.org
Message-ID: <LYR842-56885-2002.01.12-17.44.33--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Henk

We support the PDB file format in WinAPRS. In fact, it is my
favorite format now... I am downloading your maps and will look into
why you say they don't work.. The couple I have tried so far seem to
work just fine..

Keith Sproul

>Hello All,
>
>For your information.
>
>I updated my homepage with a new PocketAPRS map for Italy, also
>usable with APRS/CE and Xastir (Not in WinAPRS, it seems to be buggy
>and only take maps with granularity set to 10).
>
>Like other European maps this map is also based on a WinAPRS DCW map
>as this is the only vector-map source I have and which is usable.
>
>You can find the new map, with other maps, on:
>http://www.homepages.hetnet.nl/~pe1dnn/
>(You may have to reload the map if you have a cached copy).
>
>Kind regards,
>
>Henk.
>
>
>---
>You are currently subscribed to aprssig as: ksproul@vger.rutgers.edu
>To unsubscribe send a blank email to leave-aprssig-842K@lists.tapr.org
>Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

--
Keith Sproul   Ham Radio WU2Z
ksproul@vger.rutgers.edu   732 821-4828

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Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

324. [aprssig] KamPlus and APRS-SAquestion

From: ko4qc@mindspring.com
Date: Sat, 12 Jan 2002 18:17:52 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-56887-2002.01.12-17.52.58--lyris.aprssig#tapr.org@lists.tapr.org>

Rendered body type: text/plain

```
Once again...:>)

Could someone please tell me how to change between VHF and HF ports in
APRS+SA with the KamPlus?The ~A and  |A dosnt seem to work...:>)


Tnx Joel

---
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Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org
```

325. [aprssig] Garmin vs Magellan

From: Keith Sproul <ksproul@vger.rutgers.edu>
Date: Sat, 12 Jan 2002 18:49:01 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-56888-2002.01.12-18.20.01--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

```
The specs to talk the the Garmin GPS units is widely available and
WinAPRS/MacAPRS already supports talking to the Garmin units for
downloading waypoints, tracks etc..

Does anyone know how to talk to the Magellan units to do the same
types of things?

Keith Sproul
--
Keith Sproul                    Ham Radio WU2Z
ksproul@vger.rutgers.edu        732 821-4828

---
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```

326. [aprssig] Re: Anohter update of Pocket APRS maps

From: Henk de Groot <henk.de.groot@hetnet.nl>
Date: Sun, 13 Jan 2002 00:56:58 +0100
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: aprssig@lists.tapr.org
Message-ID: <LYR842-56891-2002.01.12-18.27.25--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

```
Hello Keith,

At 18:12 12-1-02 -0500, you wrote:
> We support the PDB file format in WinAPRS.  In fact,
> it is my favorite format now...  I am downloading
> your maps and will look into why you say they don't
> work..  The couple I have tried so far seem to work
> just fine..

They only seem to work when the granularity of the map
is set to 10, this is the parameter in the PocketAPRS
Map File Header. When using 10 the points are accurate
to 1/36000 of a degree. The nice property of this value
is that you don't have to scale anything.

The maps made from the WinAPRS maps need a higher
granularity because the points are to wide appart to
store the offers in a byte. I don't want to insert
too many points inbetween since that would increase the
size too much (I insert at most 1 extra point in a vector).
I set the granulatity to powers of 2 and as small value
as I can get away with without causing overflows. If I only
have a small number of overflows I fix those occasions
manually. The maps for France and Italy have a granularity
of 64, the World map however uses 2048.

I think something is wrong with scaling the vectors using
this granularity value in WinAPRS. The values that are
affected by the granularity setting are:

VectorHeader->LeftBounds, multiply value with (granulatity/10)
VectorHeader->RightBounds, multiply value with (granulatity/10)
```

```
VectorHeader->TopBounds, multiply value with (granulatity/10)
VectorHeader->BottomBounds, mulitply value with (granulatity/10)
VectorHeader->LineStartX, multiply value with (granulatity/10)
VectorHeader->LineStartY, multiply value with (granulatity/10)

AdditionalVectorPoint->NextX, after subtracting 127 multiply result with (granulatity/10)
AdditionalVectorPoint->NextY, after subtracting 127 multiply result with (granulatity/10)
```

You see that if you forgot to scale one of them, or forgot
to scale at all, maps with granularity set to 10 still work.

Also note that the PocketAPRS maps produced by me have Version
0x03, i.e. they include the placeholder bytes as described in
the map format document.

To make you feel better, we got this wrong in Xastir too at
the start...

I hope this helps to fix the problem. It would be nice to
switch over completely to this map format as the storage
is much more efficient than the original WinAPRS format.
Of course the price to pay is that its more complex to
program.

Kind regards,

Henk.

P.S. If you wish I can send you a C program of the decoder
and encoder for these maps to study, but I guess this was
already enough information to see what's wrong.

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---

327. [aprssig] KamPlus and APRS-SAquestion

From: ko4qc@mindspring.com
Date: Sat, 12 Jan 2002 19:02:14 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-56899-2002.01.12-18.37.26--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Sorry guys,I was confusing APRS+SA and WinAPRS....KAM + RXes in both progs
but cant get the VHF rig to TX in either program..the HF rig keys...my main
? now is how do I change ports in WinAPRS?Sorry for the/my confusion..:>)
Tnx,Joel
PS:I used this TNC and rig ,a couple of years back, with earlier versions
of APRS with no problem.

At 06:17 PM 1/12/2002 -0500, you wrote:
>Once again...:>)
>
>Could someone please tell me how to change between VHF and HF ports in
>APRS+SA with the KamPlus?The ~A and |A dosnt seem to work...:>)
>
>
>Tnx Joel
>
>---
>You are currently subscribed to aprssig as: ko4qc@mindspring.com
>To unsubscribe send a blank email to leave-aprssig-842K@lists.tapr.org
>Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org
>
>

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Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

---

328. [aprssig] APRS-SA Registration

From: Palmer C Byrne <pcbyrne@revalue.com>
Date: Sat, 12 Jan 2002 17:02:50 -0800
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-56909-2002.01.12-19.32.40--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

I sent my registration form and check to Brent Hildebrand
KH2Z<kh2z@arrl.net> over 1 week ago and also emailed him with a couple of
questions regarding APRS-SA. I have heard nothing since and it is, as I am
sure you all know, a pain in the a-- haveing to redo the setup each
time. Does KH2Z really exist??

I am having a proble with APRS-SA and my KPC-3 Plus TNC. It works fine
when using the internet connection but not when connected through the TNC
to my ICOM 2340H 2 meter transceiver. The data looks fine when viewed on
the TNC screen but the Position 1, Position 2, Status, etc. screens do not
update. Also I can not send position or status through the Icom. APRS does
not key the KPC3 Plus. Any suggestions would be greatly appreciated!

73
palmer KC7LDV (W7NMD).

---
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329. [aprssig] Re: APRS-SA Registration

From: "Ronald Reams" <wa4mjf@worldnet.att.net>
Date: Sat, 12 Jan 2002 20:14:11 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-56912-2002.01.12-19.44.31--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

I'm tryin' to remember would not a KH2 be one of our
territories in the Pacific some where?

Unless you sent it air mail, it might take a while for the mail ship
to get there.

73 de Ronnie

----- Original Message -----
From: "Palmer C Byrne" <pcbyrne@revalue.com>
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Sent: Saturday, January 12, 2002 20:02
Subject: [aprssig] APRS-SA Registration

I sent my registration form and check to Brent Hildebrand
KH2Z<kh2z@arrl.net> over 1 week ago and also emailed him with a couple of
questions regarding APRS-SA. I have heard nothing since and it is, as I am
sure you all know, a pain in the a-- haveing to redo the setup each
time. Does KH2Z really exist??

I am having a proble with APRS-SA and my KPC-3 Plus TNC. It works fine
when using the internet connection but not when connected through the TNC
to my ICOM 2340H 2 meter transceiver. The data looks fine when viewed on
the TNC screen but the Position 1, Position 2, Status, etc. screens do not
update. Also I can not send position or status through the Icom. APRS does
not key the KPC3 Plus. Any suggestions would be greatly appreciated!

73
palmer KC7LDV (W7NMD).

---
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Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

330. [aprssig] Re: APRS-SA Registration

From: JD Delancy <W1JD@arrl.net>
Date: Sat, 12 Jan 2002 20:31:37 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: TAPR APRS Special Interest Group <aprssig@lists.tapr.org>
Message-ID: <LYR842-56914-2002.01.12-20.05.46--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

```
KH2 is Guam, but there have been a lot of hams that started their "career in
hamradio" while stationed at Andersen AFB or Finegyan <?sp?>, came back home, and
retained the call they were issued..

Ronald Reams wrote:
>
> I'm tryin' to remember would not a KH2 be one of our
> territories in the Pacific some where?
>
> Unless you sent it air mail, it might take a while for the mail ship
> to get there.
>
> 73 de Ronnie
>
> ----- Original Message -----
> From: "Palmer C Byrne" <pcbyrne@revalue.com>
> To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
> Sent: Saturday, January 12, 2002 20:02
> Subject: [aprssig] APRS-SA Registration
>
> I sent my registration form and check to Brent Hildebrand
> KH2Z<kh2z@arrl.net>  over 1 week ago and also emailed him with a couple of
> questions regarding APRS-SA.  I have heard nothing since and it is, as I am
> sure you all know, a pain in the a-- haveing to redo the setup each
> time.  Does KH2Z really exist??
>
> I am having a proble with APRS-SA and my KPC-3 Plus TNC.  It works fine
> when using the internet connection but not when connected through the TNC
> to my ICOM  2340H 2 meter transceiver. The data looks fine when viewed on
> the TNC screen but the Position 1, Position 2, Status, etc. screens do not
> update. Also I can not send position or status through the Icom. APRS does
> not key the KPC3 Plus.  Any suggestions would be greatly appreciated!
>
> 73
> palmer KC7LDV (W7NMD).
>
> ---
> You are currently subscribed to aprssig as: wa4mjf@worldnet.att.net
> To unsubscribe send a blank email to leave-aprssig-842K@lists.tapr.org
> Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org
>
> ---
> You are currently subscribed to aprssig as: W1JD@drix.net
> To unsubscribe send a blank email to leave-aprssig-842K@lists.tapr.org
> Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

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Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org
```

---

331. [aprssig] Re: APRS-SA Registration

From: "Paul Knupke, Jr." <pekjr@tampabay.rr.com>
Date: Sat, 12 Jan 2002 20:48:05 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-56915-2002.01.12-20.17.42--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

```
Brent, KH2Z, lives in Southern California... I had the pleasure of
meeting him at DCC'99 in Phoenix.

He's usually quite good with replying to emails so he may be out of town
is all.

There is an APRS+SA remailer available.   It's a good place to discuss
APRS+SA with others who use the package.

Just send a message to majordomo@k8sn.org and in the body put subscribe
aprsplus and you'll be added.

73,
```

Paul
N4PK
A almost fulltime APRS+SA user since May '99

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---

332. [aprssig] Car PC w/GPS

From: Jon Anhold <jon@snoopy.net>
Date: Sat, 12 Jan 2002 20:50:16 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-56916-2002.01.12-20.29.32--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

http://www.smartvehiclepc.com/

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---

333. [aprssig] PCsat contact

From: Ross lane <lobsta@midmaine.com>
Date: Sat, 12 Jan 2002 21:42:41 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-56918-2002.01.12-21.11.33--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

This is a first for me.

DATE/TIME 12-jan-2002 18:50 utc

```
Fm W1DEM-7 To T4ST6X Via PCSAT-1* <UI pid=F0 Len=32 >[19:50:19]
(this is LCT)
``+dl"8K\>"4.}DE FRANKLIN,MAINE

002-January-12 20:05 1 stations
--------------------------------
Callsign    Type       Latitude   Longitude      Km   Bearing  Last
Heard
--------    ----       --------   ---------      --   -------
----------
W1DEM-7*   Kenwood    44.34.68N  068.15.72W  5314,8    291   Jan 12
19:50

Key:   '+' = UI-View user   '*' = heard via a digipeater
```

Your adress:

Ross J. Lane, W1DEM
7 Coombs Wharf
Franklin, ME 04634
USA

Hallo OM. Hope i have the richt e-amil adress. en i hope you rx this letter.
You are the first stadion in the log via the Pcsat from the States in to Europa (the netherland).
I try transmit to the west cost usa when the pcsat in the range from bold continents.
The range was et 2.9 deg.. to the nordwest.
i hope you send my a mail again.
i send also a qsl card by buro or by post when the adress is richt.
Hope to Sie you again via PCSAT.

73 from pe2jmr de jan

BEST 2002 from jan.

My Pcsat Stadion:
RX/TX Philips FM1000 8/25 W
switss to the pcsat freq in 3 ch.
rx/tx freq 145.825/145.825 or
rx/tx freq 145.825/145.830 or

rx/tx freq 145.830/145.830
Antenne home made J-dipool 2m/70cm 28 mm /cu , 15mm/ cu
The two antenne cables are resonant 75 ohm coax 3 hard line   .lengt
30
meter (loss 3 db/100m at 220mhz)

AX25 modum : homemade two :TNC_NL2C filmware: tf27b
Software baycom /awg / ui-view/ UISS v2.0 by on1dht/ pcsat telemetie
dec. by g4ide
TSTHOST for the oder ax25 packet
PC a old 486/dx 33 // PC compaq despro 200 mhz
QTH Noordwolde ca 3 km noord of Groningen
200 km noord -noord east of Amsterdam
My Locator : J033HG My QSl Regio NR. 19

Adres:
J Musch
Nieuwstraat 4 B
9784 PG Noordwolde
The Netherlands

---

334. [aprssig] Re: PCSAT pass

From: Matt Steinhoff <mls@steinhoff.net>
Date: Sat, 12 Jan 2002 22:16:49 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-56925-2002.01.12-21.46.32--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

> From: "Arnold 'Arnie' Johnson" <arniej@gis.net>
> Just had a nice PCSAT pass up the east coast.
> K4MLS-1 - 1113 miles

Too nifty!
That pass was my first (successful) attempt at any sort of satellite work. I had been reading a lot about APRS on PCSAT but always figured it was too advanced for my basic skill level.
Finally, I just decided to give it a shot. With just a few days of trying, on my sixth pass attempt, I got in! Since then, I've managed to get two or three more packets through. I'm impressed at how easy it really is to do.
The most difficult part for me is being near the radio (Kenwood D7AG into a Cushcraft AR2 @ 35 feet) and awake when PCSAT is overhead. I can't wait to try out other satellites. This could be addicting.

Matt (k4mls)

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---

335. [aprssig] Re: KamPlus and APRS-SAquestion

From: Skip Allison <sallison@megsinet.net>
Date: Sat, 12 Jan 2002 22:09:49 -0600
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-56929-2002.01.12-22.41.14--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

In WinAPRS, go to your settings/TNC Type and select Dual Port. Go to settings/TNC and make sure one of the commands is streamev on. Check at the bottom and you should see:
P1 (HF) ~A
P2 (VHF) |A
These are the stream switch characters. Hit F2. It should send a position report on both bands. It actually sends the posit on one band then sends the stream switch character then sends it on the other band. If you watch the Tx LEDS it will almost look like they're coming on at the same time.

If it doesn't send on both bands, the stream switch character may have been changed from the defaults. You can change it with the streamsw command.

Skip
K9SA

ko4qc@mindspring.com wrote:
>
> Sorry guys,I was confusing APRS+SA and WinAPRS....KAM + RXes in both progs
> but cant get the VHF rig to TX in either program..the HF rig keys...my main
> ? now is how do I change ports in WinAPRS?Sorry for the/my confusion..:>)
> Tnx,Joel
> PS:I used this TNC and rig ,a couple of years back, with earlier versions
> of APRS with no problem.
>

---
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336. [aprssig] Re: Car PC w/GPS

From: Jeff Brenton <jeffb@csrye.org>
Date: Sat, 12 Jan 2002 23:01:14 -0600
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: aprssig <aprssig@tapr.org>
Message-ID: <LYR842-56982-2002.01.12-23.31.20--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

JA> http://www.smartvehiclepc.com/

A truly worthless web page, if you ask me. NO indication of pricing,
or even where you can order it, but they do want dealers...

--

Jeff Brenton KA9VNV
Questionable web page: http://dididahdahdidit.com

---
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---

337. [aprssig] APRS+SA v2.06 Released

From: "Brent Hildebrand" <bhildebrand@earthlink.net>
Date: Sat, 12 Jan 2002 22:18:27 -0800
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-56994-2002.01.13-00.49.45--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Current version is 2.06 found in APRSPLUS206.zip. The file GPS206.zip can be used to update v2.02 or above to v2.06.

2002.01.12
v2.06 - Additional modifications to TNC, GPS, and TCP tabs to allow the turning off of scrolling without loosing data.
New - New APRSERVE.TXT file. Now allows for comments on the server line.
New behavior for Windows 95/98/ME. Setup will now only show the tab you specify from the Main window.
You will not be able to click between the various tabs of Setup. This was done to minimize the amount of system resources the program uses. This is not an issue on Windows NT/2000/XP, where the old behavior is still found.
New Settings option - Sounds, PlayMorseSync - this will cause Morse code messages to play to completion before the next Morse code message is played.
Update - 16 character Grid Squares now supported in Coordinate Conversion calculator. This should give about 0.00001 degree accuracy to the grid value. Yes, Grid Squares can be more then 6 characters!
Update - new options for the dropdown menus on the Maps toolbar.
Fixed - Out going bulletins was broken in v2.05 do to a modification in a common library function.
Fixed - Status Tab was not showing all non-conforming packets, and some conforming packets without time stamps.
Fixed - Flow Control for debugging DTR/RTS on the serial port.
Fixed - NWS - certain Message type packet constructs were not being decoded correctly.

Brent Hildebrand, KH2Z

APRS+SA
http://www.tapr.org/~kh2z/aprsplus
ftp://ftp.tapr.org/aprssig/winstuff/aprsplus

[]

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338. [aprssig] Re: APRS-SA Registration

From: "Brent Hildebrand" <bhildebrand@earthlink.net>
Date: Sat, 12 Jan 2002 22:25:47 -0800
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-57000-2002.01.13-00.56.20--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

```
Your Registration number was Emailed on Jan 5, 2002.  The message contented is included below.  I have
not received any email from you on the question if have tried.  I would have hoped that you would have
received your number by now also.  Brent KH2Z

----- Original Message -----
From: "Palmer C Byrne" <pcbyrne@revalue.com>
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Sent: Saturday, January 12, 2002 5:02 PM
Subject: [aprssig] APRS-SA Registration


> I sent my registration form and check to Brent Hildebrand
> KH2Z<kh2z@arrl.net>  over 1 week ago and also emailed him with a couple of
> questions regarding APRS-SA.  I have heard nothing since and it is, as I am
> sure you all know, a pain in the a-- haveing to redo the setup each
> time.  Does KH2Z really exist??
>
> I am having a proble with APRS-SA and my KPC-3 Plus TNC.  It works fine
> when using the internet connection but not when connected through the TNC
> to my ICOM  2340H 2 meter transceiver. The data looks fine when viewed on
> the TNC screen but the Position 1, Position 2, Status, etc. screens do not
> update. Also I can not send position or status through the Icom. APRS does
> not key the KPC3 Plus.  Any suggestions would be greatly appreciated!
>
> 73
> palmer KC7LDV (W7NMD).
>

Thank you for you interest in APRS+SA.

Your registration number for KC7LDV is:

 xxx-xxx-xxx

The current posted version is V2.02, All users are encouraged to upgrade to the newest version.  The
latest versions have the latest bug fixes and most current APRS protocol.  Check the APRS+SA Web page
periodically.  There is also an APRS+SA SIG.  To subscribe, send an Email message to majordomo@k8sn.org.
  Leave the subject blank.  In the body of the message, put: subscribe aprsplus.

Please let me know if you have received this number by return Email

Documentation on-line:  see the Web Docs link on the APRS+SA web page.

73

Brent Hildebrand, KH2Z

APRS+SA
http://www.tapr.org/~kh2z/aprsplus
ftp://ftp.tapr.org/aprssig/winstuff/aprsplus

[]


---
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```

339. [aprssig] Questionable web updates...

From: Jeff Brenton <jeffb@csrye.org>
Date: Sun, 13 Jan 2002 02:35:02 -0600
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-57060-2002.01.13-03.05.08--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

```
The Questionable web page has been updated to show SOME of the new
APRS-related projects going on, and to remove a couple of obsolete
files. Newly listed are KR1ST's Cybiko UI Messenger and VE4KLM's JNOS
```

APRS server projects.

I've also fixed a few links that weren't leaving my page's frames properly, and made a few "special" characters acceptable to Netscape users, because Netscape isn't completely up to snuff on certain things.

I'd also like to remind people that it has been 33 days since I had any updates to the digipeater list; Surely, SOMEONE has put up, taken down, or otherwise changed a digi this past month, SOMEWHERE in the world. See the web page for submission rules/requirements and the address to use to get your changes in.

And be on the look-out for common digipeater beacon misunderstandings, such as using a PHG number that ends in '8' when you mean 'OMNI' (should be zero), not having the proper number of leading zeros on an altitude (it's "/A=nnnnnn", so "/A=940" is just a random comment to APRS programs), and it must occur immediately after the PHG number to be picked up by all programs...

All of this is covered in the current APRS/DOS file DIGIS.TXT; check your digipeater's beacon against the tables there, to see why others don't see your digi quite the way you intended... B-)

--

Jeff Brenton KA9VNV
Questionable web page: http://dididahdahdidit.com

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340. [aprssig] Re: Car PC w/GPS

From: "N2PQV" <n2pqv@johns-house.com>
Date: Sun, 13 Jan 2002 04:17:43 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-57061-2002.01.13-03.47.42--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

try this one...18V DC supply.. may be riggable ?

http://www.tigerdirect.com/applications/SearchTools/item-details.asp?sku=A25
9-1000

-----Original Message-----
From: bounce-aprssig-10857@lists.tapr.org
[mailto:bounce-aprssig-10857@lists.tapr.org]On Behalf Of Jeff Brenton
Sent: Sunday, January 13, 2002 12:01 AM
To: TAPR APRS Special Interest Group
Cc: aprssig
Subject: [aprssig] Re: Car PC w/GPS

JA> http://www.smartvehiclepc.com/

A truly worthless web page, if you ask me. NO indication of pricing, or even where you can order it, but they do want dealers...

--

Jeff Brenton KA9VNV
Questionable web page: http://dididahdahdidit.com

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341. [aprssig] Re: Car PC w/GPS

```
From: WA8LMF2@aol.com
Date: Sun, 13 Jan 2002 08:15:44 EST
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: n2pqv@johns-house.com
Message-ID: <LYR842-57067-2002.01.13-07.45.37--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain
```

```
In a message dated 1/13/02 1:20:22 AM Pacific Standard Time,
n2pqv@johns-house.com writes:

> try this one...18V DC supply.. may be riggable ?
>
>
http://www.tigerdirect.com/applications/SearchTools/item-details.asp?sku=A25
>  9-1000

I've ordered one of 'em.  They're currently back-ordered -- apparently they
were swamped with orders when they ran this deal about 2 weeks before
Christmas.

Full report here when I get mine...

Totally unreleated...  SGC put a pic of my mobile installation  on their
website:
      http://www.sgcworld.com/applications/index.html

I had no idea it was there until I did a Google search last week for
"WA8LMF".
Click the link for "SG230 VW Passat Wagon" for more info.

Stephen H. Smith                  wa8lmf @ aol.com
Home Page:
http://members.aol.com/wa8lmf
Ham Radio/Mobile SSTV page:     http://members.aol.com/wa8lmf/ham
APRS Stuff
http://members.aol.com/wa8lmf/aprs
-----------------------------------------------------------------------------

----------
|    Radio Communications Systems       Personal Computers
|                Consulting and Systems Integration
|    GPS Custom Mapping    &     Radio Coverage Surveys
|    File Conversions       MS-Windows Setups       VISCII Fonts
-----------------------------------------------------------------------------

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342. [aprssig] Re: Questionable web updates...

```
From: "Clayon H. Owen" <aa3jy@winlink.org>
Date: Sun, 13 Jan 2002 8:20:38
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-57071-2002.01.13-08.50.22--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain
```

```
Hi Jeff,
   Have you got a chance to play with the new Kam XL..there are some issues
that should be addressed,ie., some Commands that need a RESET before they
take affect that where not needed with the Kam+; certain default settings
that are different than the Kam+(HBAUD,SPACE,MARK and Port to name a few).
    Might as well start looking at these issues now before there is an
onslaught of questions later. I have at present not one APRS author
addressing these issues yet........

---
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```

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343. [aprssig] RE: [amsat-bb] PCsat GPS is ON and working well!

From: Bob Bruninga <bruninga@usna.edu>
Date: Sun, 13 Jan 2002 09:21:04 -0500 (EST)
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: "'TAPR APRS Special Interest Group'" <aprssig@tapr.org>,
        <amsat-bb@AMSAT.Org>
Message-ID: <LYR842-57072-2002.01.13-08.50.57--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

On Fri, 11 Jan 2002, Tom Clark (W3IWI) wrote about the PCsat GPS data:

> >From the limited data I looked at, I see posting from two windows with good,
> usable data. The first window had 6 points between 15:52 to 15:57 with 10-12
> satellites in lock over Europe. The second window ran from 23:09 to 23:17
> with 6-8 satellites in lock over the US. Data from both windows looks very
> good.

THe data is available continuously (LIVE) from around the world via any of the APRS HUBS (See end of this message for a discussion on which hubs are the more reliable)(Telnet to second.aprs.net or...

> As an aside, the $GPGGA message is designed for driving boat on the water,
> and it really is the best scheme for an orbiting satellite.

The raw MITEL data comes down on 144.39 at 9600 baud but since we do not have anyone listening there at 9600 baud feeding live to the APRS network, after several days of no collected data, we decided to just shift it to 1200 baud and the single $GPGGA on 144.39 where everyone is listening.

If there were dedicated observers that would capture all 9600 baud data on 144.39 in the USA and Europe and elsewhere for this week (we run out of power on 21 Jan) then we would much rather collect as much of the raw 9600 baud MITEL data as we could..

HOW TO GET THE DATA LIVE: (Answered by Bill Diaz to my question):

The most reliable connection can vary depending on your location, and which way the wind is blowing<g>. I would recommend only AHubEast.net, AHubCentral.net, AHubWest.net, and second.aprs.net.

You can check http://www.ahubswe.net/ahub.html for AHub statuses and core servers. Until recently, this site provided good data on the core servers. Connection Data is not available from Second anymore after they removed the ability to access port 14501. The AHub Stat page no longer shows connection data for second because of this.

AHubEast (NA4V) has been very reliable. Mark re-boots every so often, generally just before he goes out of town. He has been up for 1.66 days. Must be outta town<g>.

AHubWest (KB7ZVA) has been up for 5.63 days. Dick does beta testing for me, so he may be up and down.

AHubCentral (N7UKL) has been up for 4.16 days. Ron cannot get to his machine on weekends, and it seems that whenever he has a problem with the Internet, it is on the weekend!

First is not very reliable. Would not recommend using this unless no other option is available. When it is running it provides a reasonalbly clean feed for aprsd.

Second is the most reliable of the core servers by far. Also removes much, but not all garbage. Reboots once a day usually, but it comes back up bery quick.

Third is limiting connects to 50 users only. It stays up for about a day to 2 days. Lots of garbage packets, tnc commands etc. Typical apsd.
------

de WB4APR, Bob

PCsat WEB page	http://www.ew.usna.edu/~bruninga/pcsat.html
ISS-APRS FAQ:	http://www.ew.usna.edu/~bruninga/iss-faq.html
CUBESAT Designs	http://www.ew.usna.edu/~bruninga/cubesat.html
APRS LIVE pages	http://www.ew.usna.edu/~bruninga/aprs.html
APRS SATELLITES	http://www.ew.usna.edu/~bruninga/astars.html
MIM/Mic-E/Mic-Lite	http://www.toad.net/~wclement/bruninga/mic-lite.html

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344. [aprssig] Re: APRS in the Carribean

```
From: Bob Bruninga <bruninga@usna.edu>
Date: Sun, 13 Jan 2002 09:25:02 -0500 (EST)
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: TAPR APRS Special Interest Group <aprssig@lists.tapr.org>,
       <amsat-bb@amsat.org>
Message-ID: <LYR842-57073-2002.01.13-08.55.03--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain
```

```
On Sat, 12 Jan 2002, Andrew Rich wrote:

> Have I got these right ?
>
> PCSat         144.390 145.825 <.830 coming, .825 going)
> ISS           145.800
> Sapphire      437.100 +/- 10 KHz (THey think it is closer to 437.095)
> Opal          437.100 +/- 10 KHz (same uplink and is tricky)
> UO22          435.120 +/- 10 KHz
> UO14          435.070 +/- 10 KHz
> AO27          436.798 +/- 10 KHz

I added the dopplers since this message goes to many people new to
satellites on the APRS list.  And we will be enabling Sapphire for
APRS digipeating soon...

de WB4APR, Bob



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345. [aprssig] Re: APRS-SA Registration

```
From: Bob Bruninga <bruninga@usna.edu>
Date: Sun, 13 Jan 2002 10:08:59 -0500 (EST)
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: TAPR APRS Special Interest Group <aprssig@lists.tapr.org>
Message-ID: <LYR842-57080-2002.01.13-09.38.47--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain
```

```
On Sat, 12 Jan 2002, Palmer C Byrne wrote:

> I sent my registration form and check to Brent Hildebrand
> KH2Z<kh2z@arrl.net>  over 1 week ago and also emailed him with a couple of
> questions regarding APRS-SA.  I have heard nothing since and it is, as I am
> sure you all know, a pain in the a-- haveing to redo the setup each
> time.  Does KH2Z really exist??

He is an anesthesist and sometimes has long hours at the hospital and
snailmail sometimes takes weeks these days.  He is very alive so I would
imagine he has just not gotten it yet...
de WB4APR@amsat.org, Bob



---
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```

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346. [aprssig] Off Topic World Trade Center Powerpoint

```
From: Dave Kaplan <dkaplan@steffeninc.com>
Date: Sun, 13 Jan 2002 09:23:32 -0600
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-57081-2002.01.13-09.55.29--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain
```

```
Many of you know that I am on one of the 28 FEMA Urban Search and Rescue
teams scattered around the country. Recently I did a PowerPoint about my
deployment to the WTC. I went to e-mail a copy to FEMA last week but it was
too big so I had it put on my company server for FEMA to download. It was
suppose to be erased Friday evening. It was not. It will be tomorrow some time.
```

If anyone wants to download it (2 parts - total about 16 meg) go to:

http://www.steffeninc.com/download

It MUST be loaded into the directory C:\wtc or it won't work.

If you need a PowerPoint viewer you can download one for free from Microsoft. Sometimes the music won't sync up properly to the slides due to different computer speeds but you can use the right or left arrow to just ahead the back.

Since I have to present it 2-3 times to fire schools in the next few months I would appreciate any comments (off sig).

Dave
WB0WNX
Technical Search Specialist
Missouri Task Force-1 (FEMA)

P.S. I find the LOUDER the music the better, but that's just me!

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347. [aprssig] PCsat Operating notes

From: Bob Bruninga <bruninga@usna.edu>
Date: Sun, 13 Jan 2002 10:50:39 -0500 (EST)
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-57085-2002.01.13-10.20.23--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Two suggestions for messaging via PCSAT, ISS, and other Space DIGIS:

1) Usually send MSGS to ALL, so that all can see them
2) If you send a one-on-one message, leave off the SSID. (prevents ACKS)
3) If you hear a digipeated packet right after you transmit even if you personally do not decode it, it was probably you. So no need to keep forcing packets until you get a decode. Most people will hear it.

RATIONALE: Since 70% of the users on PCsat are using a D7 or D700 HT:

1) The Kenwoods will not capture or display messages to other people, so "ALL" lets them read the mail if you just send messages to ALL, and then indicate WHO in the body of the message if it is not obvioius. THis also makes it easier to send because you dont have to keep reloading the TOCALL each time.

2) ACKS via these satellites are not good. THey are rarely successful and only add congestion to everyone else. If you do not use the other stations SSID, then he will still capture the message, but his radio will not ACK it. THus keeping ACK POLUTION down... The D7 and D700 will send one packet a minute automatically for only 5 times, so it cleans messages out of the system quickly.

3) PCsat transmits with only 2 Watts. But it hears as good as you do. THus PCsat will hear your D7 UPLINK 4 dB better than you hear it and PCsat will hear your MOBILE D700 13dB better than you hear it! So when you hear it digipeat your packet, even if you do not decode it, then you were successful and can hold off a bit..

PCsat was designed for HT's and mobiles. But I have to spend each of my passes commanding and my Mobile now has a armstrong BEAM on it, so I ccannot be gathering statistical data on how well PCsat is closing the link to mobile users. SO I hope that some of you are taking good notes and substantial data so that in the end, we can say for certain if 2 Watts on PCsat is good enough or if more is needed.

Agian, a 19" 2m 1/4 wave whip will do better than a 5/8 wave, so we need lots of data to see if it is worth really drilling another hole for the 19" whip in your car for future satelites.

de WB4APR@amsat.org, Bob

PCsat WEB page   http://www.ew.usna.edu/~bruninga/pcsat.html
ISS-APRS FAQ: http://www.ew.usna.edu/~bruninga/iss-faq.html
CUBESAT Designs   http://www.ew.usna.edu/~bruninga/cubesat.html

APRS LIVE pages   http://www.ew.usna.edu/~bruninga/aprs.html
APRS SATELLITES   http://www.ew.usna.edu/~bruninga/astars.html
MIM/Mic-E/Mic-Lite http://www.toad.net/~wclement/bruninga/mic-lite.html

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348. [aprssig] PCsat/Mobiles request for data.

From: Bob Bruninga <bruninga@usna.edu>
Date: Sun, 13 Jan 2002 11:59:38 -0500 (EST)
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-57093-2002.01.13-11.29.23--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

THose of you with D7 or D700's in your car or other packet receiveing equipment, we need to konw what your assessment is of the satellite to mobile downlink link from PCsat. (Uplink is trivial, everyone gets in).

But this week only, we are trying to keep the GPS on all the time 1200z to 2300z. On 144.39 NORMAL APRS Frequency, your mobile should receive PCSAT-11 and a DIGI ICON with an "S" overlay on your mobile about 3 to 5 times a day. These passes are occuring from sunup to about noon and about 3 PM to 8 PM. Perfect for commuting times.

Unfortunately we may turn the 144.39 downlink off while we get other GPS data. But if you QSY to 145.830, then you should also see PCSAT-1 as well. But in either case, you should get PCSAT BULLETINS on either frequencies during all passes.

We dont need copies of the data, just how many of the packets you got. And unless you were watching the front panel, you wont know that either! But what we do need to know are comments like these, AFTER describing your station (D7 or D700, etc with Magmount 1/4 wave, or...)
- I see something from PCsat (W3ADO-1, PCSAT-11, PCSAT-1) on every pass
- I see .... on some passes
- I have never seen them...
- My 1/4 wave does much better than my 5/8 wave...

If you have a laptop to capture all packets from PCsat via your mobile, then all we need is : "I copied 35 packets from PCsat on an X degree pass. Or I got 3 Bulletins, 5 positions, 6 status and 10 users...") etc in most cases do not send us the files...

Trying to see if the 2 Watts from PCsat is doing the job, or if future satellites will require more, and if so, how much more...

de WB4APR@amsat.org, Bob

PCsat WEB page   http://www.ew.usna.edu/~bruninga/pcsat.html
ISS-APRS FAQ: http://www.ew.usna.edu/~bruninga/iss-faq.html
CUBESAT Designs   http://www.ew.usna.edu/~bruninga/cubesat.html
APRS LIVE pages   http://www.ew.usna.edu/~bruninga/aprs.html
APRS SATELLITES   http://www.ew.usna.edu/~bruninga/astars.html
MIM/Mic-E/Mic-Lite http://www.toad.net/~wclement/bruninga/mic-lite.html

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---

349. [aprssig] Re: Mobile FM satellite skeds

From: Bob Bruninga <bruninga@usna.edu>
Date: Sun, 13 Jan 2002 12:36:53 -0500 (EST)
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: <amsat-bb@amsat.org>
Message-ID: <LYR842-57098-2002.01.13-12.06.38--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Mobile/FM Satellite Pass Periods for the week of 01-13-2002. Times are LOCAL times for mid northern latitudes:

```
Sats 06 07 08 09 10 11 12 13 14 15 16 17 18 19 20 21 22 23 00 01 02 03
---- -- -- -- -- -- -- -- -- -- -- -- -- -- -- -- -- -- -- -- -- -- --
ISS_ *********** *                                     * ** **********
UO22 ******                        **********
```

```
AO27     **********                      ***********
UO14       ***********                       **********
OPAL *                      **********                              *
PCsat********* **           ***************
Saph **********             **************
```

Note: Times are LOCAL TIME for MID Northern Latitudes. Use this to
       plan your mobile operations during commuting and distant travels.

The "****"'s above just mean that during those hours you will get 2 or 3 passes daily. Here are some simple rules for PCsat's orbit:

1) You will get 2 to 3 passes during two separate periods per day
2) If you hear PCsat, then you will probably hear it 100 minutes later
3) For high passes, the same pass will occur same time -30 mins each day.
4) Once a week, add 100 minutes to this routine to stay on the high pass.

Notice that for the world Traveler, he is never more than an hour or so without satellite access except for about 1130 to 1300 daily... and assumign someone is "listening"!

I guess I should also do this for down-under...

de WB4APR@amsat.org, Bob

```
PCsat WEB  page     http://www.ew.usna.edu/~bruninga/pcsat.html
ISS-APRS FAQ:       http://www.ew.usna.edu/~bruninga/iss-faq.html
CUBESAT Designs     http://www.ew.usna.edu/~bruninga/cubesat.html
APRS LIVE pages     http://www.ew.usna.edu/~bruninga/aprs.html
APRS SATELLITES     http://www.ew.usna.edu/~bruninga/astars.html
MIM/Mic-E/Mic-Lite  http://www.toad.net/~wclement/bruninga/mic-lite.html
```

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---

350. [aprssig] Re: Mobile FM satellite skeds

From: "Jesse " <jesse@kc5los.com>
Date: Sun, 13 Jan 2002 11:50:37 -0600
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-57104-2002.01.13-12.20.21--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Not to sound stupid but what is the local time for mid northern latitdudes?

-----Original Message-----
From: bounce-aprssig-25535@lists.tapr.org
[mailto:bounce-aprssig-25535@lists.tapr.org] On Behalf Of Bob Bruninga
Sent: Sunday, January 13, 2002 11:37 AM
To: TAPR APRS Special Interest Group
Cc: amsat-bb@amsat.org
Subject: [aprssig] Re: Mobile FM satellite skeds

Mobile/FM Satellite Pass Periods for the week of 01-13-2002. Times are LOCAL times for mid northern latitudes:

```
Sats 06 07 08 09 10 11 12 13 14 15 16 17 18 19 20 21 22 23 00 01 02 03
---- -- -- -- -- -- -- -- -- -- -- -- -- -- -- -- -- -- -- -- -- -- --
ISS_ *********** *                                     * ** **********
UO22 ******                        **********
AO27     **********                      ***********
UO14       ***********                       **********
OPAL *                      **********                              *
PCsat********* **           ***************
Saph **********             **************
```

Note: Times are LOCAL TIME for MID Northern Latitudes. Use this to
       plan your mobile operations during commuting and distant travels.

The "****"'s above just mean that during those hours you will get 2 or 3 passes daily. Here are some simple rules for PCsat's orbit:

1) You will get 2 to 3 passes during two separate periods per day

2) If you hear PCsat, then you will probably hear it 100 minutes later
3) For high passes, the same pass will occur same time -30 mins each day.
4) Once a week, add 100 minutes to this routine to stay on the high pass.

Notice that for the world Traveler, he is never more than an hour or so without satellite access except for about 1130 to 1300 daily... and assumign someone is "listening"!

I guess I should also do this for down-under...

de WB4APR@amsat.org, Bob

PCsat WEB page	http://www.ew.usna.edu/~bruninga/pcsat.html
ISS-APRS FAQ:	http://www.ew.usna.edu/~bruninga/iss-faq.html
CUBESAT Designs	http://www.ew.usna.edu/~bruninga/cubesat.html
APRS LIVE pages	http://www.ew.usna.edu/~bruninga/aprs.html
APRS SATELLITES	http://www.ew.usna.edu/~bruninga/astars.html
MIM/Mic-E/Mic-Lite	http://www.toad.net/~wclement/bruninga/mic-lite.html

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351. [aprssig] GPS Joke

From: "Rich Garcia" <k4gps@arrl.net>
Date: Sun, 13 Jan 2002 12:55:46 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-57105-2002.01.13-12.25.08--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

It's a joke but it is actually on topic. I found it funny and even though it is political it is not funny due to political agendas. I think we would all get a laugh out of this no matter what side we are on. This was forwarded to me my another APRS user privately but I will stick my neck out and post it.

Thanks Kevin!

>>>
Democrats vs Republicans

A woman in a hot air balloon realized she was lost. She lowered altitude
and spotted a man below. She shouted to him,
"Excuse me, can you help me? I promised a friend I would meet him an hour ago, but I don't know where I am."

The man consulted his portable GPS and replied, "You're in a hot air balloon approximately 30 feet above a ground elevation
of 2346 feet above sea level. You are 31 degrees, 14.97 minutes north latitude and 100 degrees, 49.09 minutes west
longitude."

She rolled her eyes and said, "You must be a Republican."

"I am," replied the man. "How did you know?"

"Well," answered the balloonist, "Everything you told me is technically
correct, but I have no idea what to make of your
information, and I'm still lost. Frankly, you've not been much help to
me."

The man smiled and responded, "You must be a Democrat."

"I am," replied the balloonist. "But, how did you know?"

"Well," said the man, "you don't know where you are or where you're
going. You've risen to where you are due to a large
quantity of hot air. You made a promise that you have no idea how to
keep, and you expect ME to solve your problem.
You're in EXACTLY the same position you were in before we met, but
somehow now, it's MY fault!"

Rich Garcia K4GPS Ex: KA2FXA and N2CZF
k4gps@arrl.net
Jupiter Farms, Florida
http://www.jupiterfarmscert.org

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---

352. [aprssig] SOUTHERN HEMISPHERE Mobile FM satellite skeds

From: Bob Bruninga <bruninga@usna.edu>
Date: Sun, 13 Jan 2002 13:03:41 -0500 (EST)
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: <amsat-bb@amsat.org>
Message-ID: <LYR842-57106-2002.01.13-12.33.24--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

SOUTHERN HEMISPHERE Pass Periods for the week of 01-13-2002:
Notice for AO27,UO14 and UO22 polar orbitors, they are about the same as
for the Northern Hemisphere, but for ISS, PCSAT and Sapphire, they are 180
degrees out of phase with the northern hemisphere...

```
Sats 06 07 08 09 10 11 12 13 14 15 16 17 18 19 20 21 22 23 00 01 02 03
---- -- -- -- -- -- -- -- -- -- -- -- -- -- -- -- -- -- -- -- -- -- --
ISS_                 * *****************************
UO22 ****                             **********
AO27 ***********                             **********
UO14    **********                             ***********
PCsat                                 *************             ******
Saph * *                              ************ **           ******
---------------- Northern Hemisphere plot below-----------------------
ISS_ *********** *                                     * ** **********
UO22 ******                        **********
AO27     **********                      ***********
UO14       ***********                       **********
PCsat********* **           ***************
Saph **********             **************
```

Note: Times are LOCAL TIMEs for MID Southern and Northern Latitudes.

de WB4APR@amsat.org, Bob

PCsat WEB page	http://www.ew.usna.edu/~bruninga/pcsat.html
ISS-APRS FAQ:	http://www.ew.usna.edu/~bruninga/iss-faq.html
CUBESAT Designs	http://www.ew.usna.edu/~bruninga/cubesat.html
APRS LIVE pages	http://www.ew.usna.edu/~bruninga/aprs.html
APRS SATELLITES	http://www.ew.usna.edu/~bruninga/astars.html
MIM/Mic-E/Mic-Lite	http://www.toad.net/~wclement/bruninga/mic-lite.html

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353. [aprssig] Low Cost GPS Units

From: <gavingroce@yahoo.com>
Date: Sun, 13 Jan 2002 12:19:07 -0600
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-57115-2002.01.13-12.48.53--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Looking for reasonable priced used GPS units to build trackers out of for
local club...
I am also looking for parts to setup a digi in southern middle Tennessee.
Any help would be great.

73 de KE4TVV

____

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354. [aprssig] Re: GPS Joke

From: zadok! <aaron@classicarcade.org>
Date: Sun, 13 Jan 2002 13:29:45 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-57118-2002.01.13-12.56.02--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

She's smack dab in the middle of Texas.. She needs to keep heading south.

aaron.

At 12:55 PM 1/13/02 -0500, you wrote:

>It's a joke but it is actually on topic. I found it funny and even
>though it is political it is not funny due to political agendas. I
>think we would all get a laugh out of this no matter what side we are
>on. This was forwarded to me my another APRS user privately but I
>will stick my neck out and post it.
>
>Thanks Kevin!

355. [aprssig] Sapphire may be authorized for Digipeating?

From: Bob Bruninga <bruninga@usna.edu>
Date: Sun, 13 Jan 2002 13:51:50 -0500 (EST)
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: TAPR APRS Special Interest Group <aprssig@tapr.org>
Message-ID: <LYR842-57122-2002.01.13-13.21.52--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

For planning purposes, Sapphire may be authorized for UI digipeating under the same user guidelines as PCsat. But since it was not designed for this mission, we need assurence that users will not burden it with unauthorized "connects".

We have been holding off on this secondary mission until we see that all operators have gotten the word and understand that for the safety and long life of these satelites (PCsat, Sapphire), that users must not attempt connections TO or THROUGH these satellites.

We still see occassional connect attempts and until those individuals get the word we cannot proceed with authorizing this additional on-orbit capability. We only make this announcement for planning purposes for those operators with big trips planned.

Our goal is to get as many satellites as possible acting as UI digipeaters for the mobile, and handheld traveling user worldwide... OPAL also has a digipeater, and we understand that users may attempt to digipeat via the callsign of KE6RFX 9600 baud for the purpose of trying to quantify its usefulness.

But since it is simplex on 437.100 it takes -/+ and +/- 10 KHz doppler tracking and takes some planning. But maybe it appears hard because we dont really know the exact center frequencies of the uplink and downlink? This is a good area for experimentation too. It does send a periodic telemetry packets.

de WB4APR@amsat.org, Bob

PCsat WEB page http://www.ew.usna.edu/~bruninga/pcsat.html
ISS-APRS FAQ: http://www.ew.usna.edu/~bruninga/iss-faq.html

CUBESAT Designs   http://www.ew.usna.edu/~bruninga/cubesat.html
APRS LIVE pages   http://www.ew.usna.edu/~bruninga/aprs.html
APRS SATELLITES   http://www.ew.usna.edu/~bruninga/astars.html

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356. [aprssig] APRS and vehicle automation.

From: "Al Arnold" <aalarnold@hotmail.com>
Date: Sun, 13 Jan 2002 13:56:19 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-57123-2002.01.13-13.26.13--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Hi,

I want to install APRS and other reporting systems in a mobile home. This mobile home has solar battery charging and some other systems including security that I would like to be able to monitor.

I would like to have it so that it beacons the status of certain conditions like battery voltage, photovoltaic charging rate, internal temperature etc. Perhaps it could be made so I can Poll it and request battery voltage etc. I would also like the ability to do certain things remotely: turn on a genset, turn on a light, run HVAC, activate a two way radio system for the talking car effect.

For general security I will install motion detectors and a simple mercury switch to indicate towing. I want immediate notification of these events as they occur.

I guess I will need a 486 cpu and a TNC and relays and sensors and stuff. I have looked at a program called "misterhouse" but it seemed a little gimmicky. Ideally this system will run on DOS.

Does anyone have experience with using APRS to automate things and send command codes to things?

73, al

To see where I am on a map, click link below:
http://www.findu.com/cgi-bin/find.cgi?call=va3zen&radar=***

____
MSN Photos is the easiest way to share and print your photos:
http://photos.msn.com/support/worldwide.aspx

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357. [aprssig] Re: APRS and vehicle automation.

From: Bob Bruninga <bruninga@usna.edu>
Date: Sun, 13 Jan 2002 14:20:29 -0500 (EST)
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: TAPR APRS Special Interest Group <aprssig@lists.tapr.org>
Message-ID: <LYR842-57126-2002.01.13-13.50.19--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

On Sun, 13 Jan 2002, Al Arnold wrote about his RV:

> I would like to have it so that it beacons the status of certain conditions
> like battery voltage, photovoltaic charging rate, internal temperature etc.
> Perhaps it could be made so I can Poll it and request battery voltage etc. I
> would also like the ability to do certain things remotely: turn on a genset,
> turn on a light, run HVAC, activate a two way radio system for the talking
> car effect.

ALL of this can be done with a KPC-3+ by itself... NO PC...

> I guess I will need a 486 cpu and a TNC and relays and sensors and stuff. I
> have looked at a program called "misterhouse" but it seemed a little
> gimmicky. Ideally this system will run on DOS.

Dont need any PC at all for what you mentioned above... Its all in the TNC. That is how we built PCsat... BUT...

If you do want to use a PC and dont have a KPC-3+ or need a full 8 bits of on/off functions, use an old DOS laptop. APRSdos supports the OUT xxxxxxxx comand to flip bits on any LPT1 printer/parallel port...

But unfortunately, APRSdos does not ahve the analog telemtery of the KPC-3+ or the MIM module. YOu could add a MIM module for the 5 channels of analog values... though...

de WB4APR, Bob

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358. [aprssig] Re: Mobile FM satellite skeds

From: Bob Bruninga <bruninga@usna.edu>
Date: Sun, 13 Jan 2002 14:25:55 -0500 (EST)
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-57128-2002.01.13-13.55.50--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

On Sun, 13 Jan 2002, Jesse wrote:

> Not to sound stupid but what is the local time for mid northern
> latitdudes?

Nope, its a good question. The relationship between the orbit of PCsat and the seasonal angle of the sun only changes a few degrees in a week's time. Yes, the earth rotates relative to them, but the relationship is fixed. Thus everyone at the same latitude will see about the same thing at about the same "local time" as they spin into view of the satelite orbit.

THus, for the purposes of this weekly prediction which only tells you the timeframes of passes (not the exact time of each pass), then these timeframes are the same for everyone at the same latitude as the earth spins..

For example, the ORBIT of PCsat right now is almost perfectly aligned with the TWILIGHT line worldwide. This relationship changes little in a week. Everyone on the planet passes under the orbit of PCsat at the same "local time". But where PCsat is along that orbit can be anywhere +/- 50 minutes. But in general, everyone is seeing PCsat passes within about +/- 2 hours of sunrise and sunset.

THis is also why we are now in FULL SUN for these two weeks and basking in full power...

de WB4APR, Bob

```
 > > -----Original Message-----
> To: TAPR APRS Special Interest Group
> Cc: amsat-bb@amsat.org
> Subject: [aprssig] Re: Mobile FM satellite skeds
>
>
> Mobile/FM Satellite Pass Periods for the week of 01-13-2002.  Times are
> LOCAL times for mid northern latitudes:
>
> Sats 06 07 08 09 10 11 12 13 14 15 16 17 18 19 20 21 22 23 00 01 02 03
> ---- -- -- -- -- -- -- -- -- -- -- -- -- -- -- -- -- -- -- -- -- -- --
> ISS_ *********** *                                     * ** **********
> UO22 ******                        **********
> AO27     **********                      ***********
> UO14       ***********                       **********
> OPAL *                      **********                              *
> PCsat********* **           ***************
> Saph **********             **************
>
> Note:  Times are LOCAL TIME for MID Northern Latitudes.  Use this to
>        plan your mobile operations during commuting and distant travels.
>
> The "****"'s above just mean that during those hours you will get 2 or 3
> passes daily.  Here are some simple rules for PCsat's orbit:
>
> 1) You will get 2 to 3 passes during two separate periods per day
> 2) If you hear PCsat, then you will probably hear it 100 minutes later
> 3) For high passes, the same pass will occur same time -30 mins each
> day.
> 4) Once a week, add 100 minutes to this routine to stay on the high
> pass.


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```

359. [aprssig] FINDU HELP - mobile path

From: Joe Della Barba <joe@dellabarba.com>
Date: Sun, 13 Jan 2002 14:46:52 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-57130-2002.01.13-14.21.42--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

```
Help - I am finally trying APRS in my car, having already done it
at my home QTH, marine mobile, and airmobile. I configured my PK-
12 to be N3HGB-9 and set the path to APRS VIA RELAY, WIDE, WIDE and
set to transmit every 60 seconds. I tried it from home and it popped
right up on FINDU. I have now driven to work (yuk!) in Baltimore
and FINDU has picked up NONE of my trip. if I go to www.aprs.org
and look at live VHF I can see my trip perfectly. What it up here?
Do I need more wides? Would RELAY, WIDE4-4 be better for a car?
73
Joe N3HGB







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```

360. [aprssig] i-button wx

From: "Wes Johnston" <wes@johnston.net>
Date: Sun, 13 Jan 2002 15:08:28 -0800
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-57131-2002.01.13-14.39.14--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

```
APRS related b/c uWX station now suppoorts 1 wire weather station

Where is a soul to order a 1 wire wx station from these days?  I can't get texas-weather.com site to
come up.

Wes
```

361. [aprssig] Re: FINDU HELP - mobile path

From: Bob Bruninga <bruninga@usna.edu>
Date: Sun, 13 Jan 2002 15:29:57 -0500 (EST)
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: TAPR APRS Special Interest Group <aprssig@lists.tapr.org>
Message-ID: <LYR842-57137-2002.01.13-15.00.04--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

```
Unfortunately there are no good digis in Baltimore.  THere is one at
N6QAB's dad's house in NW baltimore, but it is just a home station...
and MY base station 3 miles south of the beltway DIED last week...:-(
bob
On Sun, 13 Jan 2002, Joe Della Barba wrote:
```

> Help - I am finally trying APRS in my car, having already done it
> at my home QTH, marine mobile, and airmobile. I configured my PK-
> 12 to be N3HGB-9 and set the path to APRS VIA RELAY, WIDE, WIDE and
> set to transmit every 60 seconds. I tried it from home and it popped
> right up on FINDU. I have now driven to work (yuk!) in Baltimore
> and FINDU has picked up NONE of my trip. if I go to www.aprs.org
> and look at live VHF I can see my trip perfectly. What it up here?
> Do I need more wides? Would RELAY, WIDE4-4 be better for a car?
> 73
> Joe N3HGB
>
>
>
>
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>
>
> ---
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> To unsubscribe send a blank email to leave-aprssig-842K@lists.tapr.org
> Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org
>

de WB4APR@amsat.org, Bob

PCsat WEB page   http://www.ew.usna.edu/~bruninga/pcsat.html
ISS-APRS FAQ: http://www.ew.usna.edu/~bruninga/iss-faq.html
CUBESAT Designs   http://www.ew.usna.edu/~bruninga/cubesat.html
APRS LIVE pages   http://www.ew.usna.edu/~bruninga/aprs.html
APRS SATELLITES   http://www.ew.usna.edu/~bruninga/astars.html
MIM/Mic-E/Mic-Lite http://www.toad.net/~wclement/bruninga/mic-lite.html

---
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Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

---

362. [aprssig] Re: i-button wx

From: "Lloyd Mitchell" <lloydm75@hotmail.com>
Date: Sun, 13 Jan 2002 15:37:20 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-57138-2002.01.13-15.06.37--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Wes. Here is the only vendor I have seen in months.

http://www.aag.com.mx/weather.html

Lloyd KD4HTW
  ----- Original Message -----
  From: Wes Johnston
  To: TAPR APRS Special Interest Group
  Sent: Sunday, January 13, 2002 6:08 PM
  Subject: [aprssig] i-button wx

  APRS related b/c uWX station now suppoorts 1 wire weather station

  Where is a soul to order a 1 wire wx station from these days? I can't get texas-weather.com site to come up.

  Wes

---

363. [aprssig] RE: GPS Blackout

From: Gerry Creager N5JXS <gerry@cs.tamu.edu>
Date: Sun, 13 Jan 2002 15:12:09 -0600
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-57143-2002.01.13-15.40.43--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

We are doing in-theatre denial. And that's all I know (and all I have
Need To Know) about it. Extrapolating, I assume they're dithering the
signal on some of the satellites while they're in-view of the theatre of
operation, leaving perhaps 1 or 2 birds available in the Coarse
Acquisition (L1-C/A) realm available for accurate timing and code-phase
acuisition. That will allow even the older L1/L2 P-code receivers to
lock clocks and start the tracking sequence on the P/Y signal for
Precise Positioning System acquisition.

The gotcha now is that we have to use P/Y gear in-theatre. If we deny
2D/3D fixes on L1-C/A code phase, civil receivers cannot get a fix,
while the military (P/Y-code) receivers should be able to.

And now I'll stop speculating.

gerry
--
Gerry Creager -- gerry@cs.tamu.edu
Network Engineering
Academy for Advanced Telecommunications and Learning Technologies
Texas A&M University   979.458.4020 (Phone) -- 979.847.8578 (Fax)

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Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

---

364. [aprssig] Re: i-button wx

From: "Mike Yetsko" <myetsko@insydesw.com>
Date: Sun, 13 Jan 2002 16:43:12 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-57156-2002.01.13-16.12.39--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

The Dallas Semi weather station was 'taken over' by a company out of
Mexico. I've not dealt with them, but I've not heard anything bad. Other
than some shipping delays. They even kept the same price. You can find
links to them on TAPR or Dallas Semi web sites.

Mike

>APRS related b/c uWX station now suppoorts 1 wire weather station
>
>Where is a soul to order a 1 wire wx station from these days? I can't
get
>texas-weather.com site to come up.
>
>Wes

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---

365. [aprssig] magellan trailblazer

From: <gavingroce@yahoo.com>
Date: Sun, 13 Jan 2002 15:48:24 -0600
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-57163-2002.01.13-16.18.14--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

I am trying to help a friend setup aprs and need the pinout for a magellan
trailblazer.
I have the single end cable and am looking for a way to hook it up to a TNC
(kpc-3)

____

Do You Yahoo!?

Get your free @yahoo.com address at http://mail.yahoo.com

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Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

---

366. [aprssig] Re: FINDU HELP - mobile path

```
From: "Charles H. Rahe, II" <crahe@infi.net>
Date: Sun, 13 Jan 2002 17:31:20 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: TAPR APRS Special Interest Group <aprssig@lists.tapr.org>
Message-ID: <LYR842-57175-2002.01.13-17.01.11--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain
```

```
Joe - I keep my boat at the mouth of Middle River on the NE side of Baltimore.
I find that a path of relay, wide, trace2-2 seems to work fairly well, both in
the boat and in my truck when I drive around the area. I tried a shorter path
and like you didn't get into FINDU as reliabily. Maybe the extra hops are
needed to get to an IGate.

Charlie



>
> On Sun, 13 Jan 2002, Joe Della Barba wrote:
>
> > Help - I am finally trying APRS in my car, having already done it
> > at my home QTH, marine mobile, and airmobile. I configured my PK-
> > 12 to be N3HGB-9 and set the path to APRS VIA RELAY, WIDE, WIDE and
> > set to transmit every 60 seconds. I tried it from home and it popped
> > right up on FINDU. I have now driven to work (yuk!) in Baltimore
> > and FINDU has picked up NONE of my trip. if I go to www.aprs.org
> > and look at live VHF I can see my trip perfectly. What it up here?
> > Do I need more wides? Would RELAY, WIDE4-4 be better for a car?
> > 73
> > Joe N3HGB
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> > ---
> > You are currently subscribed to aprssig as: bruninga@usna.edu
> > To unsubscribe send a blank email to leave-aprssig-842K@lists.tapr.org
> > Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org
> >
>
> de WB4APR@amsat.org, Bob
>
> PCsat WEB  page     http://www.ew.usna.edu/~bruninga/pcsat.html
> ISS-APRS FAQ:       http://www.ew.usna.edu/~bruninga/iss-faq.html
> CUBESAT Designs     http://www.ew.usna.edu/~bruninga/cubesat.html
> APRS LIVE pages     http://www.ew.usna.edu/~bruninga/aprs.html
> APRS SATELLITES     http://www.ew.usna.edu/~bruninga/astars.html
> MIM/Mic-E/Mic-Lite  http://www.toad.net/~wclement/bruninga/mic-lite.html
>
> ---
> You are currently subscribed to aprssig as: crahe@infi.net
> To unsubscribe send a blank email to leave-aprssig-842K@lists.tapr.org
> Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org
```
[Attachment: crahe.vcf; text/x-vcard; 232 bytes]

367. [aprssig] Re: i-button wx

```
From: RMckni8527@aol.com
Date: Sun, 13 Jan 2002 17:59:43 EST
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: aprssig@tapr.org
Message-ID: <LYR842-57176-2002.01.13-17.31.45--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain
```

```
In a message dated 13-Jan-02 12:11:36 Pacific Standard Time, wes@johnston.net
writes:


> APRS related b/c uWX station now suppoorts 1 wire weather station
>
> Where is a soul to order a 1 wire wx station from these days?  I can't get
> texas-weather.com site to come up.
>

Why not look into the Radio Shack WX200/Oregon Scientific WM-918?  For about
the same cost as the Dallas Semi 1-wire you get a heckuva lot better value in
my opinion.  More sensors are standard, nice indoor display unit, out-of-the
box PC connectivity, much wider range of supported APRS platforms.  Okay, so
there are a few extra wires to contend with, big deal, what's another 3-4
```

wires up to the roof when most hams already have dozens! You can still find these on eBay new-in-box with the PC software and cable for about $175. No significant difference in the quality of the sensors (unless you end up with a finicky temp unit which is a known bug). That's the cost of the basic Dallas unit and I don't think it includes rain bucket or software.

Just a suggestion.

73's
Ray - WB3ABN
Kingston, WA

---

368. [aprssig] Re: KamPlus and APRS-SAquestion

From: k5qq@juno.com
Date: Sun, 13 Jan 2002 16:01:49 -0700
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: aprssig@lists.tapr.org
Message-ID: <LYR842-57177-2002.01.13-17.38.45--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

On Sat, 12 Jan 2002 18:17:52 -0500 ko4qc@mindspring.com writes:
> Once again...:>)
>
> Could someone please tell me how to change between VHF and HF ports
> in
> APRS+SA with the KamPlus?The ~A and |A dosnt seem to work...:>)
>

Joel

Presuming you have checked the DUAL PORT TNC option on the SETUP, MAIN screen, then reports will be sent to the ports indicated depending on the path you have selected. I.e., If you do COMMANDS, UNPROTO PATHS you can set paths and select which one will actually be sent. The PORT 0 sends to both VHF and HF sides, PORT 1 send to HF only, PORT2 sends to VHF only. In other words, you can have paths set for both HF and VHF, but the PORT setting determines which one will actualy be sent.

Hope this helps. If you are trying to do something else by toggling the TNC, could you tell me what it is you want to accomplish and perhaps I can help with that problem.

Jim   K5QQ

____
GET INTERNET ACCESS FROM JUNO!
Juno offers FREE or PREMIUM Internet access for less!
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http://dl.www.juno.com/get/web/.

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Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

---

369. [aprssig] Re: FINDU HELP - mobile path

From: "Joe Della Barba" <joe@dellabarba.com>
Date: Sun, 13 Jan 2002 20:19:23 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-57198-2002.01.13-19.51.16--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

More data:
On the way home from Woodlawn to Kent Island FINDU seemed to pick up at least 1/3 of my transmissions. Coverage wasn't too bad once I got to Ferndale.
(http://www.findu.com/cgi-bin/track.cgi?call=n3hgb-9&start=60&length=60) .
There was NO coverage with the exact same setup going the other way.
Must be igates going up and down. Here is a question: The live JAVA map at www.aprs.org seems to get me the whole way there and back. It hears me, it's connected to the internet, but it doesn't send over to FINDU? I may a little fuzzy on the interconnections.
73 and thanks all!
Joe N3HGB

----- Original Message -----
From: "Charles H. Rahe, II" <crahe@infi.net>
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>

Cc: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Sent: Sunday, January 13, 2002 5:31 PM
Subject: [aprssig] Re: FINDU HELP - mobile path

> Joe - I keep my boat at the mouth of Middle River on the NE side of Baltimore.
> I find that a path of relay, wide, trace2-2 seems to work fairly well, both in
> the boat and in my truck when I drive around the area. I tried a shorter path
> and like you didn't get into FINDU as reliabily. Maybe the extra hops are
> needed to get to an IGate.
>
> Charlie
>
>
> >
> > On Sun, 13 Jan 2002, Joe Della Barba wrote:
> >
> > > Help - I am finally trying APRS in my car, having already done it
> > > at my home QTH, marine mobile, and airmobile. I configured my PK-
> > > 12 to be N3HGB-9 and set the path to APRS VIA RELAY, WIDE, WIDE and
> > > set to transmit every 60 seconds. I tried it from home and it popped
> > > right up on FINDU. I have now driven to work (yuk!) in Baltimore
> > > and FINDU has picked up NONE of my trip. if I go to www.aprs.org
> > > and look at live VHF I can see my trip perfectly. What it up here?
> > > Do I need more wides? Would RELAY, WIDE4-4 be better for a car?
> > > 73
> > > Joe N3HGB
> > >
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> > >
> > > ---
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> > > Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org
> > >
> >
> > de WB4APR@amsat.org, Bob
> >
> > PCsat WEB page   http://www.ew.usna.edu/~bruninga/pcsat.html
> > ISS-APRS FAQ: http://www.ew.usna.edu/~bruninga/iss-faq.html
> > CUBESAT Designs   http://www.ew.usna.edu/~bruninga/cubesat.html
> > APRS LIVE pages   http://www.ew.usna.edu/~bruninga/aprs.html
> > APRS SATELLITES   http://www.ew.usna.edu/~bruninga/astars.html
> > MIM/Mic-E/Mic-Lite http://www.toad.net/~wclement/bruninga/mic-lite.html
> >
> > ---
> > You are currently subscribed to aprssig as: crahe@infi.net
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>

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---

370. [aprssig] pico packet question rephrased

From: "Cameron Summerhawk" <cameron_summerhawk@hotmail.com>
Date: Sun, 13 Jan 2002 23:40:37 -0700
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-57229-2002.01.14-01.10.30--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

I have the pico packet that has the RG-45 plugs on the front not the serial connection on the back, with the slid on battery pack. can someone point me in the right direction for the conections to get it connected to a Jornada 680? Prefer to use the active sync cable into the pico if possible.
Thanks

```
Cameron Summerhawk (N0WRE)
Didi Summerhawk (KC0KTN)
Loveland Co


_________________________________________________________________
Join the world s largest e-mail service with MSN Hotmail.
http://www.hotmail.com


---
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```

---

371. [aprssig] Cobra Electronics jumps into the handheld GPS market

From: Mark Fellhauer <sparkfel@qwest.net>
Date: Mon, 14 Jan 2002 01:26:27 -0600
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-57230-2002.01.14-02.00.34--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

```
http://www.eprairie.com/news/viewnews.asp?newsletterID=3253

http://www.cobra.com/fset_news.html

Release date is set for Q3 of 2002.



---
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Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org
```

---

372. [aprssig] RE: i-button wx

From: Tony Arnerich <TArnerich@IN-SITU.COM>
Date: Mon, 14 Jan 2002 01:42:43 -0700
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-57232-2002.01.14-03.17.03--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

```
"Wes Johnston" <wes@johnston.net>

>APRS related b/c uWX station now supports 1 wire weather station
>
>Where is a soul to order a 1 wire wx station from these days?  I can't =
>get texas-weather.com site to come up.
>
>Wes

http://www.aag.com.mx/weather.html

They take PayPal. I placed my order at night - it shipped in the morning.
AAG sends it with the instruction "signature required" so have it sent to an
address that's occupied during business hours.

73,

Tony  KD7TA

---
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Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org
```

---

373. [aprssig] mt2000 to a tnc

From: "rustyb" <rustyb78@gate.net>
Date: Mon, 14 Jan 2002 05:32:47 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-57234-2002.01.14-05.02.44--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

```
hello all, I have an Motorola mt2000 and an extra remote mic that I want to use with my kpc3+.  does
anyone know the pinout to the radio?  I can use the extra mic cord as my radio connector I just need to
know which wire go where on the tnc side... thanks
```

rusty
wb4bsd
www.qsl.net/wb4bsd

---

374. [aprssig] Re: mt2000 to a tnc

From: Steve Jones <sdjones@sympatico.ca>
Date: Mon, 14 Jan 2002 07:18:55 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-57239-2002.01.14-06.49.47--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

on 1/14/02 5:32 AM, rustyb at rustyb78@gate.net wrote:

hello all, I have an Motorola mt2000 and an extra remote mic that I want to use with my kpc3+. does anyone know the pinout to the radio? I can use the extra mic cord as my radio connector I just need to know which wire go where on the tnc side... thanks

rusty
wb4bsd
www.qsl.net/wb4bsd <http://www.qsl.net/wb4bsd>

Check www.batlabs.com for the pinout.
--
Steve <sdjones@sympatico.ca>

---

375. [aprssig] Re: FINDU HELP - mobile path

From: Bob Bruninga <bruninga@usna.edu>
Date: Mon, 14 Jan 2002 08:42:42 -0500 (EST)
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: TAPR APRS Special Interest Group <aprssig@lists.tapr.org>
Message-ID: <LYR842-57245-2002.01.14-08.12.33--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

On Sun, 13 Jan 2002, Joe Della Barba wrote:

> Must be igates going up and down. Here is a question: The live JAVA map at
> www.aprs.org seems to get me the whole way there and back. It hears me, it's
> connected to the internet, but it doesn't send over to FINDU? I may a little
> fuzzy on the interconnections.

No. That is an old javAPRS web page hooked to a dumb tnc and old DOS PC.
It has no way to feed the internet. Sorry...:-(

Bob

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Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

---

376. [aprssig] NOSaprs documents - HTML and RTF formats now available

From: Maiko Langelaar <maiko@slmsoft.com>
Date: Mon, 14 Jan 2002 11:51:28 -0600
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-57269-2002.01.14-12.10.46--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Greetings,

HTML and RTF versions of the NOSaprs documentation are now available on my website below :

http://www.qsl.net/ve4klm/packet/aprss.html

The RTF is BIG (8 meg, yeesh), so it's available in both Winzip and compressed Unix/Linux formats. Please let me know if you have any problems with any of the files.

Cheers

Maiko / VE4KLM

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To unsubscribe send a blank email to leave-aprssig-842K@lists.tapr.org

Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

377. [aprssig] Re: FINDU HELP - mobile path

From: "George Kammerzell" <n0zed@rmaprs.org>
Date: Mon, 14 Jan 2002 10:37:07 -0700
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-57271-2002.01.14-12.36.02--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

```
----- Original Message -----
From: "Bob Bruninga" <bruninga@usna.edu>

> On Sun, 13 Jan 2002, Joe Della Barba wrote:
>
> > Must be igates going up and down. Here is a question: The live JAVA map
at
> > www.aprs.org seems to get me the whole way there and back. It hears me,
it's
> > connected to the internet, but it doesn't send over to FINDU? I may a
little
> > fuzzy on the interconnections.
>
> No.  That is an old javAPRS web page hooked to a dumb tnc and old DOS PC.
> It has no way to feed the internet.  Sorry...:-(
>
> Bob
Well bob , Joe is closer to the truth , rmaprs.org is usong the latest
javaaprs , there aint on 'dos' box anywere near the servers , it is all
lunix , pulling from the main stream  aprs.net



---
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Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org
```

378. [aprssig] Cool APRS Project

From: <gavingroce@yahoo.com>
Date: Mon, 14 Jan 2002 12:18:53 -0600
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-57272-2002.01.14-12.48.43--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

```
I am currently trying to hack a Symbol Pen Terminal to do aprs with. It has
a VGA screen, Serial Port, IR, keyboard port (power!), full keyboard, 4 megs
of ram, and rom-dos on a 2 meg flash ram. The one I have has the 802.11
wireless with it. I found someone who was selling bulk ATA 64MB flash ram
cards for 20 bucks on ebay so it will have 64 megs of data space.
I am thinking that I might remove the wireless card and add another 64MB
card in the internal slot, don't see why not. Symbol has the pin outs for
the ports and EVERYTHING on their website (PDF)

Also anyone know where I could find a cable for this type of jack? It is
funky so I might have to rewire it to a DB-9 and cut a hole in the back of
the unit for the serial interface.

Have pics up on my website. Just waiting for the flashcard to arrive.
qsl.nwt/ke4tvv



btw here is the link to the auction, only one thing, the screens are EM and
you have to buy the pens add., but he includes a handful when you do. He
told me he has a bunch and these would rock for packet/APRS.
http://cgi.ebay.com/aw-cgi/eBayISAPI.dll?ViewItem&item=1321087953



__________________________________________________

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```

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379. [aprssig] Re: FINDU HELP - mobile path

From: Bob Bruninga <bruninga@usna.edu>
Date: Mon, 14 Jan 2002 13:28:02 -0500 (EST)
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: TAPR APRS Special Interest Group <aprssig@lists.tapr.org>
Message-ID: <LYR842-57274-2002.01.14-12.58.07--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

```
On Mon, 14 Jan 2002, George Kammerzell wrote:

> > No.  That is an old javAPRS web page hooked to a dumb tnc and old DOS PC.
> > It has no way to feed the internet.  Sorry...:-(

> Well bob , Joe is closer to the truth , rmaprs.org is usong the latest
> javaaprs , there aint on 'dos' box anywere near the servers , it is all
> lunix , pulling from the main stream  aprs.net

No, he is talking about my local javAPRS page which is updated every 2
minutes by a PCNFS file transfer from an old DOS box running a QQBasic
program over to  our UNIX WEB host...

The www.aprs.org he refers to reflects to my main page :

  http://www.ew.usna.edu/~bruninga/aprs.html

which has a link to my live javARPS page...
(I think it is called radio.html or something like that...)

Bob




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380. [aprssig] OOPS! Cool APRS Project

From: <gavingroce@yahoo.com>
Date: Mon, 14 Jan 2002 12:32:58 -0600
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-57275-2002.01.14-13.02.52--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

```
forgot to send the right links sorry, cut my finger at work and have it
wrapped up. Ouch! :)

73 Gavin



---
Also anyone know where I could find a cable for this type of jack? It is
funky so I might have to rewire it to a DB-9 and cut a hole in the back of
the unit for the serial interface.

http://www.qsl.net/ke4tvv/pdt2.jpg

Have pics up on my website. Just waiting for the flashcard to arrive.
http://www.qsl.net/ke4tvv/pdt.html





__________________________________________________

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Get your free @yahoo.com address at http://mail.yahoo.com
```

```
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```

381. [aprssig] Help w/APRS-CE

From: Mark Dieterich <mkd@cs.brown.edu>
Date: Mon, 14 Jan 2002 15:14:23 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-57286-2002.01.14-14.44.14--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

```
Folks,

I hope someone can shed some light on what's going on here...

First the setup:

I have an IPAQ running APRS/CE, a KPC3+, and a GPS connected to the KPC3+ on
the aux serial port.  The setup runs just fine with a laptop, so I'm sure the
KPC3+ and GPS are functioning properly.  If I connect up the IPAQ, I can
communicate w/the KPC3+ fine via a serial connection (tricking the IPAQ into
thinking it is talking w/a modem and just bringing up a terminal window), so
I'm convinced the communcations channel between the IPAQ and the KPC3+ is
working.

The problems:

- I can't get the IPAQ to update my own stations position info.  The KPC3+
will feed the gps sentences back to the serial port when I enter CTRL-E and I
have set up APRS/CE to send this character.  I tested via a terminal window on
the IPAQ and it does see the four LT buffers returned after a CTRL-E is sent.
My only thought here is that APRS/CE is being confused by the four buffers that
are returned?  Anybody using a KPC3+ in this fashion with APRS/CE?

- The other problem I have is that I can't seem to get the INIT files nor
the RESTORE file to work properly.  I can see the KPC3+ answering EH? as it
is being fed commands.  I know that the APRS/CE internal commands are being
accepted, since I see my status message change after starting the program.
I've even tried really simple INIT files (one liners with a simple command) and
the KPC3+ balks at this also.  I must be doing something stupid here, but don't
know what.  Any suggestions?

Hoping to be free of the laptop soon :)

Thanks,

Mark


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```

382. [aprssig] More info on Garmin FRS/GPS combo radio...

From: WA8LMF2@aol.com
Date: Mon, 14 Jan 2002 18:28:06 EST
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-57308-2002.01.14-17.58.02--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

```
[ From ABCnews.COM story at :
    http://abcnews.go.com/sections/scitech/TechTV/techtv_rino020111.html   ]

The Ultimate Trekking Device?
Garmin Mates Satellite Mapping Features to a Radio

http://abcnews.go.com/sections/scitech/TechTV/techtv_rino020111.html

L A S V E G A S, Jan. 11 — For the wilderness junkie, GPS (global positioning
system) and FRS (family radio service) are on the list of gadgets that will
keep you on track and in touch with your group.

It only seems natural that the two technologies would be found in a single
hybrid device. At this year's Consumer Electronics Show in Las Vegas, Garmin
unveiled its first device to serve exactly that purpose.
Named RINO (Radios Integrated Navigation for Outdoors) because the
dual-antenna design makes it look like a rhinoceros, the 110 and 120 series
```

devices include both FRS and GPS functionality.

While FRS radios are popular, they have a limited two miles operating range. So, Garmin also adds GMRS (general mobile radio service) capability which allows for two-way communications at a distance of up to five miles in an unobstructed environment.

However, an important issue related to GMRS is Federal Communications Commission licensing requirements. The FCC requires consumers to file for a $75 license good for five years — before operating a GMRS radio. Broadcasting on a GMRS frequency without a license may result in a fine of up to $10,000.

While the range of GMRS devices is impressive, that additional licensing cost may not be for everybody. You'll still be able to use RINO, but you'll be limited to the license-free FRS frequencies.

Broadcasting Words and Coordinates

No two-way radio would be complete without support for multiple channels. And RINO offers 14 channels for FRS and 14 for GMRS, each with 38 sub-channels. The resulting 532 channel combination means that users will have a higher likelihood of finding an unused channel just for their particular group.

With the RINO's GPS features, you'll be able to track your path during your adventure and retrace your steps. But the best feature of RINO is peer-to-peer positioning. Utilizing the gadgets' two-way capabilities, you'll be able to transmit your exact location to other RINO users. Group members can determine your relative position and display the information on the 160x160-pixel display.

Garmin claims the RINO will run for 15 hours on three AA batteries.

Other Handy Features

You navigate through the functions with two buttons and a joystick. We found that the controls were too small to be used with gloves by cold weather adventurers. Considering its additional features and waterproof design — the RINO can be submerged in one meter of water for 30 minutes — we still think the product is innovative.

The top-of-the-line RINO 120 includes support for maps with detail, including major cities and highways to street level, topography, and bathymetric data. Storage is limited to 8MB, so you can only download the specific area you're traveling in with the range limited by the detail you require. Garmin provides maps of North and South America on a CD and a cable to connect to your PC.

For additional security, the RINO 120 also includes a scramble feature that makes eavesdropping more difficult.

First Impressions

For the avid outdoor adventurer, the RINO appears to provide everything you need to stay in touch with your group and on the right track in a very portable 8-ounce (RINO 110) or 8.5-ounce package (RINO 120). Despite some usability concerns we have, the RINO is a truly useful tool, and the feature list is impressive.

Pros: Integrated GPS with two-way radio; maps included (RINO 120); peer-to-peer positioning.

Cons: Small navigation keys.

Company: Garmin
Price: $211 (RINO 110) and $311(RINO 120)
Available: April 2002

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383. [aprssig] Re: GPS data from PCsat

From: Bob Bruninga <bruninga@usna.edu>
Date: Mon, 14 Jan 2002 18:26:48 -0500 (EST)

To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: <amsat-bb@AMSAT.Org>, <ozaprs@marconi.ics.mq.edu.au>,
        TAPR APRS Special Interest Group <aprssig@tapr.org>
Message-ID: <LYR842-57321-2002.01.14-18.10.24--lyris.aprssig#tapr.org@lists.tapr.org>
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PCsat Volts were ok at 15.5 so I left GPS on overnight (east USA time).
Thus, later passes over western USA will have GPS and also Europe tomorrow
morning if it holds up until we get it back at sunrise Tuesday.

Look for $GPGGA data on 145.837 downlink
Look for MITEL 9600 baud data on 144.39 worldwide and send me any capture
files pleease....

Thanks!
Only 6 more days of full sun...
Seeing lots of new calls showing up now...

de WB4APR, Bob

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384. [aprssig] Re: GPS data from PCsat

From: Jeff King <jeff@aerodata.net>
Date: Mon, 14 Jan 2002 19:09:13 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: TAPR APRS Special Interest Group <aprssig@lists.tapr.org>,
        amsat-bb@AMSAT.Org, ozaprs@marconi.ics.mq.edu.au,
        TAPR APRS Special Interest Group <aprssig@tapr.org>
Message-ID: <LYR842-57327-2002.01.14-18.38.37--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Bob Bruninga wrote:

> Look for MITEL 9600 baud data on 144.39 worldwide and send me any capture
> files pleease....

Do you think it is a good idea to mix modes that cannot detect each other's
DCD? Understand you might be between a rock and a hard place but in general I
think it is not such a good idea to do this. The 1200 baud ground stations are
going to be transmitting on top of the satellite.

Then again, this is ham radio so maybe stuff like isn't a big deal.

-Jeff

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385. [aprssig] Re: GPS data from PCsat

From: Phil Reed <preed@dnaco.net>
Date: Mon, 14 Jan 2002 19:17:32 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: <amsat-bb@AMSAT.Org>, <ozaprs@marconi.ics.mq.edu.au>,
        TAPR APRS Special Interest Group <aprssig@tapr.org>
Message-ID: <LYR842-57329-2002.01.14-18.56.09--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

At 06:26 PM 1/14/2002 -0500, Bob Bruninga wrote:

>Seeing lots of new calls showing up now...

Where can we look to see who's gotten in? Findu?

...phil / w8sca

```
"For a list of all the ways technology has failed
     to improve the quality of life, press 3."


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386. [aprssig] Re: GPS data from PCsat

From: Matt Steinhoff <mls@steinhoff.net>
Date: Mon, 14 Jan 2002 19:33:53 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: amsat-bb@AMSAT.Org, aprssig@tapr.org, ozaprs@marconi.ics.mq.edu.au
Message-ID: <LYR842-57332-2002.01.14-19.04.22--lyris.aprssig#tapr.org@lists.tapr.org>
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```
> Where can we look to see who's gotten in? Findu?

    http://www.findu.com/cgi-bin/pcsat.cgi

    Matt

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387. [aprssig] OncoreGPS

From: <gavingroce@yahoo.com>
Date: Mon, 14 Jan 2002 18:36:55 -0600
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-57335-2002.01.14-19.07.00--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

```
Found a person who sells pre-built i-face for Motorola Oncore GPS units that
can be found cheapish


>the GPS interface board costs $55.00 + $8.00 S&H (US shipping address
only). See this page >for more information
http://www.seismicnet.com/gps/index.html.



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388. [aprssig] Re: More info on Garmin FRS/GPS combo radio...

From: K3for@aol.com
Date: Mon, 14 Jan 2002 20:04:14 EST
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: <aprssig@lists.tapr.org>
Message-ID: <LYR842-57336-2002.01.14-19.34.11--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

```
I talked with a Garmin tech on the phone Friday, but here's what he told me (not the brightest bulb in
the lamp, but better than nothing...)

1) GPS transmitted on FRS only, not GMRS
2) can setup to beacon the GPS periodically without user action
3) received posits are passed through the serial port/PC cable, probably as $GP sentences
4) he *thought* the GPS info was transmitted over the air sub-audibly - I am not so sure

More tech info should be available this month, and I have petitioned my company to go to Garmin as a
potential solution integrator and reseller - might have a proto in my hands next month ;-)
```

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389. [aprssig] Re: More info on Garmin FRS/GPS combo radio...

From: "Kevin Brown" <kbrown@powerhouseproductions.com>
Date: Mon, 14 Jan 2002 19:11:59 -0600
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: <aprssig@lists.tapr.org>
Message-ID: <LYR842-57337-2002.01.14-19.42.05--lyris.aprssig#tapr.org@lists.tapr.org>
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2) can setup to beacon the GPS periodically without user action

Okay... Modifications are done everywhere. BUT, I thought I read somewhere that to be in accordance with the upcoming regulation that these devices MUST ONLY transmit GPS with user action. That doing it without user action would void type-acceptance.

I wonder which it is in reality.

4) he *thought* the GPS info was transmitted over the air sub-audibly - I am not so sure

Again, as I understood it, it would be audible, but the transmission had a NTE (not to exceed) timeframe...like not more than 1 second per x seconds.

I *obviously* need to re-read some of this.

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390. [aprssig] Re: GPS data from PCsat

From: Bob Bruninga <bruninga@usna.edu>
Date: Mon, 14 Jan 2002 20:21:43 -0500 (EST)
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: TAPR APRS Special Interest Group <aprssig@lists.tapr.org>,
<amsat-bb@AMSAT.Org>, <ozaprs@marconi.ics.mq.edu.au>,
TAPR APRS Special Interest Group <aprssig@tapr.org>
Message-ID: <LYR842-57338-2002.01.14-19.52.08--lyris.aprssig#tapr.org@lists.tapr.org>
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On Mon, 14 Jan 2002, Jeff King wrote:

> Do you think it is a good idea to mix modes that cannot detect each
> other's DCD? Understand you might be between a rock and a hard place
> but in general I think it is not such a good idea to do this. The 1200
> baud ground stations are going to be transmitting on top of the
> satellite.

Yes, that is what we planned. See the design approach in the PCsat articles in QEX and 73 magazines and on the WEB page (below).

THe normal APRS satellite user channel is 144.827MHz 1200 baud digipeater (Up and down). THis can be accessed with an HT (Kenwood THD7, or any combo of HT and TNC) and all mobiles. This channel is worldwide..

THe 144.39 downlink is for message delivery to any North American APRS mobile or handheld operator anywhere in the country who may be temporarily out of range of the terrestrial network. It can also be used for national bullettins and special (infrequent) events. To this end, all data intended for terrestrial users of 144.39 is transmittted at 1200 baud as one would expect.

During the brief experimental times (this week for example)) when we need GPS data, we downlink that on 144.39. Since it is only 2 packets every 30 seconds, we use 9600 baud (tiny packets) to not only save power on the satellite, but also to minimize any terrestrial interference. THis data is not intended for users and so we designed it so that all terrestrial Users and digipeaters will ignore our -122 dBm signal from space and continue operating normally.

Thus, by design, the 1200 baud terrestrial users TNC's are supposed to ignore our .3 second bursts and use the channel normally including transmitting on top of us..

We have no problem receiving the weak data even on a busy 144.39 channel due to space and time diversity of multiple receivers receiving the data. We chose to use 144.39 for APRS data since it was already coordinated throughout the North American continent and that way we would not be a hog of the very precious and limited dedicated satellite channels limted to 145.8 to 145.99 MHz of which then we only needed one, instead of two.

Even in the busiest APRS area (middle east coast for example) the 144.39 channel at any one station's location still hears a 30% or less busy channel.. With just 4 monitoring stations across the country we have a 99% chance of getting every packet without collision.

de WB4APR, BOb

PCsat WEB page	http://www.ew.usna.edu/~bruninga/pcsat.html
ISS-APRS FAQ:	http://www.ew.usna.edu/~bruninga/iss-faq.html
CUBESAT Designs	http://www.ew.usna.edu/~bruninga/cubesat.html
APRS LIVE pages	http://www.ew.usna.edu/~bruninga/aprs.html
APRS SATELLITES	http://www.ew.usna.edu/~bruninga/astars.html
MIM/Mic-E/Mic-Lite	http://www.toad.net/~wclement/bruninga/mic-lite.html

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391. [aprssig] Re: APRS in the Carribean

From: "Rory" <rdowler@magma.ca>
Date: Mon, 14 Jan 2002 20:24:48 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-57339-2002.01.14-19.54.51--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Thanks Bob and everyone else for your suggestions.

Hopefully I can get into PCsat on a couple of occasions. I still haven't got over the novelty of working this bird with only a HT and a whip antenna!

73

Rory VE3RRY

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Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

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392. [aprssig] Re: GPS data from PCsat

From: Bob Bruninga <bruninga@usna.edu>
Date: Mon, 14 Jan 2002 20:29:07 -0500 (EST)
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: TAPR APRS Special Interest Group <aprssig@lists.tapr.org>,
        <amsat-bb@AMSAT.Org>, <ozaprs@marconi.ics.mq.edu.au>,
        TAPR APRS Special Interest Group <aprssig@tapr.org>
Message-ID: <LYR842-57341-2002.01.14-19.59.20--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

On Mon, 14 Jan 2002, Phil Reed wrote:

> >Seeing lots of new calls showing up now... [on PCsat]
>
> Where can we look to see who's gotten in? Findu?

See the main PCsat web page below which has links then to a Findu link that gives the live data: http://pcsat.aprs.org

de WB4APR@amsat.org, Bob

```
PCsat WEB  page     http://www.ew.usna.edu/~bruninga/pcsat.html
ISS-APRS FAQ:       http://www.ew.usna.edu/~bruninga/iss-faq.html
APRS SATELLITES     http://www.ew.usna.edu/~bruninga/astars.html


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Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org
```

393. [aprssig] Re: GPS data from PCsat

```
From: Bob Bruninga <bruninga@usna.edu>
Date: Mon, 14 Jan 2002 20:31:23 -0500 (EST)
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: TAPR APRS Special Interest Group <aprssig@lists.tapr.org>,
       <amsat-bb@AMSAT.Org>, <aprssig@tapr.org>,
       <ozaprs@marconi.ics.mq.edu.au>
Message-ID: <LYR842-57343-2002.01.14-20.01.30--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain
```

```
On Mon, 14 Jan 2002, Matt Steinhoff wrote:

> > Where can we look to see who's gotten in? Findu?
>
>     http://www.findu.com/cgi-bin/pcsat.cgi

That is the same as the shortcut:  http://pcsat.aprs.org

But note. Microsoft Internet Explorer will not draw the maps.  But
NETSCAPE will...

de WB4APR@amsat.org, Bob

PCsat WEB  page     http://www.ew.usna.edu/~bruninga/pcsat.html
ISS-APRS FAQ:       http://www.ew.usna.edu/~bruninga/iss-faq.html
APRS SATELLITES     http://www.ew.usna.edu/~bruninga/astars.html


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Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org
```

394. [aprssig] Re: GPS data from PCsat

```
From: "John Becker" <molou@big-river.net>
Date: Mon, 14 Jan 2002 19:47:25 -0600
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-57354-2002.01.14-20.17.13--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain
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```
----- Original Message -----
From: "Bob Bruninga" <bruninga@usna.edu>
>
> But note. Microsoft Internet Explorer will not draw the maps.  But
> NETSCAPE will...
>
> de WB4APR@amsat.org, Bob
>

Gee just like the FCC.....

Read a report over the weekend that said that Netscape was used by   27.3 per cent
of all on line....... so I guess it's screw the other 72.7 per cent......

SORRY   Jim it just burns me when the needs of the many or over look
for the needs of the few..


John, W0JAB


---
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```

395. [aprssig] WinAPRS and Alinco DR-135T

From: "David Little" <dalite01@sprynet.com>
Date: Mon, 14 Jan 2002 21:04:53 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-57355-2002.01.14-20.35.08--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

I have an Alinco DR-135T with internal TNC. I am trying to set up an APRS station as a Digi using WinAPRS 2.5.1. Is anyone on the SIG using this setup? I cannot determine what the TNC type is. The info that came with the Alinco does not give an idea what it emulates. I am also having a hard time getting the setup right to have it seen as a digi. If I use my call and a -1, I cannot send a test message from my call (KD4NUE) to my digi alias (KD4NUE-1), but it seems to be able to relay info. My message list shows q as acknowledgment; not an a. If I set my call as KD4NUE, it is not recognized as a digi. I can do a Control T and see that info is being routed through me, but I don't show up in the protopath of any of the stations going through me.

Maybe I am trying to think packet and not APRS, but everything I have tried so far doesn't seem to be getting the setup right.

I am new to APRS, and I am in a location that could use some help. I got this setup so I could try to help fill a void in the area. I planned on dedicating this setup as a digi, but don't want to slow things down with an improper unproto setup.

Any advice/suggestions appreciated.

David
KD4NUE

---

396. [aprssig] Re: GPS data from PCsat

From: RMckni8527@aol.com
Date: Mon, 14 Jan 2002 22:34:03 EST
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: aprssig@tapr.org
Message-ID: <LYR842-57362-2002.01.14-22.03.59--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

In a message dated 14-Jan-02 17:49:23 Pacific Standard Time,
molou@big-river.net writes:

> ----- Original Message -----
> From: "Bob Bruninga" <bruninga@usna.edu>
> >
> > But note. Microsoft Internet Explorer will not draw the maps. But
> > NETSCAPE will...
> >
> > de WB4APR@amsat.org, Bob
> >
>
> Gee just like the FCC.....
>
> Read a report over the weekend that said that Netscape was used by 27.3
> per cent
> of all on line....... so I guess it's screw the other 72.7 per cent......
>
> SORRY Jim it just burns me when the needs of the many or over look
> for the needs of the few..
>
>
> John, W0JAB
>

It's the web author/developer's responsibility (highlighted, double exclamation point!) to ensure the web site is viewable by the majority of users. This means they MUST code and test their web pages for the average/lowest common denominator of WORLDWIDE users. As a MINIMUM this means being compatible back to IE 4/NS 3, and NOT limiting or demanding that a user have proprietary plug-ins, script support/nonstandard graphics formats. We in the US often assume that everyone has the latest giga-box with more video RAM than the average cars horsepower - worldwide probably the AVERAGE low end user is still down around a P-233 and 4 megs video. Sure, you CAN have flash and scripts and all that fancy stuff, and even cater to the very latest release of IE or NS, BUT you should interrogate the users system and adjust content based on their needs, NOT the ego's or assumptions of the web site. Don't forget, many places in the world you pay by the byte and it's VERY expensive, plus you might be limited to a slow 33.6 connection. I live less than 20 miles line-of-sight from downtown Seattle, but can't buy a DSL or cable-modem connection to save my life!

As far as the FCC is concerned, I wait anxiously for the shrewd lawyer who is going to sue their pants off in a class action suit. Government web sites are REQUIRED by Federal regulation to be accessible to the widest cross section of user as possible. The FCC, by limiting access to only Netscape users, is flat out illegal and should be called to the carpet.

The only way to compel web authors to adhere to the accepted standards is
1) let them know their site should be designed to accommodate as many users as practical - this means VENDOR NEUTRAL CONTENT and TESTED for the current low-end standard user's hardware/browser
2) BOYCOTT commercial sites that refuse to accommodate the masses - let them know you'll spend your money elsewhere
3) for private sites like FINDU, use tact and SUGGEST they consider redesigning the site to provide better worldwide accessibility. Many of these web authors take offense and feel beggars shouldn't be choosers, but might not fully understand the big picture.

ACCESSIBILITY is IMPORTANT - it is the equivalent to handicap parking, wheelchair ramps, and Braille signs on elevators.

There are LOTS of places in the US that receive hand-me-down computers from corporate/government upgrades, e.g. many small schools & libraries might not have anything if older PC's weren't donated. They can't afford the latest gee-wiz boxes.

Unfortunately it'll only get worse before better as any buffoon can buy Frontpage or any of the popular web tools, but these almost never produce code that is compliant with current W3C standards, and few take the time to learn the correct way to code and test HTML.

</soapbox off>

73's
Ray - WB3ABN
Kingston, WA

---

397. [aprssig] RE: [amsat-bb] Re: GPS data from PCsat

From: Steve <ssbrockw@swbell.net>
Date: Mon, 14 Jan 2002 22:31:28 -0600
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-57369-2002.01.14-23.02.18--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

This will give you maps that read out on IE but no list of heard stations.

http://www.findu.com/cgi-bin/find.cgi?pcsat

73,
Steve
KA5YFC

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---

398. [aprssig] OT: Browsers -was- Re: GPS data from PCsat

From: Bill Herrmann <bherrman@micron.net>
Date: Mon, 14 Jan 2002 21:43:40 -0700
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-57370-2002.01.14-23.12.10--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

At 07:47 PM 1/14/02 -0600, you wrote:
>Read a report over the weekend that said that Netscape was used by 27.3
>percent of all on line....... so I guess it's screw the other 72.7 per
>cent......

Ummm, hate to tell you this, but Netscape+IE does not equal 100% of the market. The lower we can get that number the more likely we are to have web pages that work for everybody.

>SORRY Jim it just burns me when the needs of the many or over look
>for the needs of the few..

So, do your part and try one of the other browsers. Let web site owners know that IE and Netscape are not the only ones on the scene.

Bill

p.s. You can check out http://www.anybrowser.org/campaign/ and http://browserwatch.internet.com/ if your interested in learning more.

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---

399. [aprssig] Browsers, and coding for them

From: Jeff Brenton <jeffb@csrye.org>
Date: Mon, 14 Jan 2002 22:54:24 -0600
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>,
aprssig@tapr.org
Message-ID: <LYR842-57375-2002.01.14-23.24.54--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

<soapbox kicking mode>

Rac> It's the web author/developer's responsibility (highlighted, double
Rac> exclamation point!) to ensure the web site is viewable by the majority of
Rac> users. This means they MUST code and test their web pages for the
Rac> average/lowest common denominator of WORLDWIDE users.

There is a key word missing from the above - "PROFESSIONAL", inserted in front of "web author/developer".

As one, I can tell you it's a PITA to accomodate "all" users. Books are written on the subject. Compatibility charts abound. And, guess what? It's still damn near impossible to optimize a site for more than a couple of browsers in any reasonable amount of time.

I had $1500 of billable time last year, discovering and documenting the incompatibilities between the Java installations of Netscape 4 vs. Netscape 6 vs. Internet Explorer 5.x vs. IE 6, and between the Windows and Linux/Unix counterparts, for a SINGLE WEB SITE. It paid for the parts and labor to install a lift kit on my Jeep... B-)

It was finally decided that the only way to guarantee that all features worked was to require Windows-based IE5 or later clients accessing it, because the alternative would have cost more programming time than the rest of the site had. NONE of the other browsers implemented everything correctly, even though the output of the web site was 100% W3C-compliant, using Netscape-compatible Javascript.

Guess what? Sites don't always work "right", even with the browser(s) they're tested with. I have received complaints that the Questionable web page doesn't display right in (pick a browser), even when I've tested it with IE 4/5/5.5/6, Netscape 4.5/4.7/6.0 for Windows, Netscape 4.7/6.0 for Linux, Mozilla 6, Opera 3/5, and even the browser in StarOffice 5.2. Personal choice of fonts or colors can greatly affect the display of elements.

Rac> As a MINIMUM this means being compatible back to IE 4/NS 3, and
Rac> NOT limiting or demanding that a user have proprietary plug-ins,
Rac> script support/nonstandard graphics formats.

I agree on this - my machines don't even have Flash or Real Player installed, because I can not find anyone willing to discuss the possibility, let alone details, of potential security exploits, of some of these popular tools. And I've got 99% of internet sites defined as "restricted", to reduce the ability of sites to corrupt my system... which means some sites have NO accessible content.

Rac> We in the US often assume that everyone has the latest giga-box
Rac> with more video RAM than the average cars horsepower - worldwide probably the
Rac> AVERAGE low end user is still down around a P-233 and 4 megs video. Sure,
Rac> you CAN have flash and scripts and all that fancy stuff, and even cater to
Rac> the very latest release of IE or NS, BUT you should interrogate the users
Rac> system and adjust content based on their needs, NOT the ego's or assumptions
Rac> of the web site. Don't forget, many places in the world you pay by the byte
Rac> and it's VERY expensive, plus you might be limited to a slow 33.6 connection.
Rac> I live less than 20 miles line-of-sight from downtown Seattle, but can't buy
Rac> a DSL or cable-modem connection to save my life!

Although I design towards non-broadband users, I'd say, "Turn that first line around!" A whole hell of a lot of internet USERS ass-u-me that anyone who has the time, money, and passion to put up a web page on a given topic ALSO has the time, money, and energy to SPARE from their lives and hobbies to present that site "properly" to "every" internet user.

Want universal and fast? Check out this link:

http://dididahdahdidit.com/text/digis.txt

Presents the subject suscinctly, displays the same in all browsers, doesn't assume fast connections, no plug-ins needed for ASCII-compatible browsers, all the requirements. Doesn't even use HTML tables, which weren't always done "correctly" in certain famous browsers.

It also doesn't look particularly "peppy", doesn't make use of highlighting that could make certain elements of the topic stand out so that their importance isn't discounted, etc.

Rac> The only way to compel web authors to adhere to the accepted standards is
Rac> 1) let them know their site should be designed to accommodate as many users
Rac> as practical - this means VENDOR NEUTRAL CONTENT and TESTED for the current
Rac> low-end standard user's hardware/browser
Rac> 2) BOYCOTT commercial sites that refuse to accommodate the masses - let them
Rac> know you'll spend your money elsewhere
Rac> 3) for private sites like FINDU, use tact and SUGGEST they consider
Rac> redesigning the site to provide better worldwide accessibility. Many of
Rac> these web authors take offense and feel beggars shouldn't be choosers, but
Rac> might not fully understand the big picture.

At the professional sites, I'd be willing to bet that a large number of them really do "understand the big picture". And they made conscious decisions on where to spend their time based upon that picture.

Rac> ACCESSIBILITY is IMPORTANT - it is the equivalent to handicap parking,
Rac> wheelchair ramps, and Braille signs on elevators.

Accessibility is a big word, with big implications. Are you going to complain about a site that takes true accessibility into account, fully implementing the features of Cascading Style Sheets to support non-visual web browsing environments, as well as low-vision compatibility, just because your web browser doesn't properly implement the CSS standard? Or are you going to complain to AOL about how Netscape 6 is less compliant with CSS2 than its competitor Opera?

Rac> There are LOTS of places in the US that receive hand-me-down computers from
Rac> corporate/government upgrades, e.g. many small schools & libraries might not
Rac> have anything if older PC's weren't donated. They can't afford the latest
Rac> gee-wiz boxes.

And there are a lot of schools that refuse to take ANY computer donations, because their staff doesn't want to deal with less than state-of-the-art. Our local public schools didn't want to teach typing any any computer that didn't arrive in a factory-sealed box from Compaq, Dell, or IBM. So they passed over donations of hundreds of computers that fall into the categories you mentioned...

Rac> Unfortunately it'll only get worse before better as any buffoon can buy
Rac> Frontpage or any of the popular web tools, but these almost never produce
Rac> code that is compliant with current W3C standards, and few take the time to
Rac> learn the correct way to code and test HTML.

Any fool can create a web page - and many do. Tools just make it easier for fools and professionals to work. And most web tools (FrontPage excepted) provide W3C compliance test tools.

Compliance with W3C standards breaks browsers. Make your code 100% compliant with HTML4/CSS2 standards, including recommendations, and it won't work in IE3 or NS3 if you're trying to change fonts, because the way you "used" to do that, the way most non-commercial sites STILL do that, is "depreciated" in the new standards.

</soapbox kicking mode>

--

Jeff Brenton KA9VNV
Questionable web page: http://dididahdahdidit.com

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```

400. [aprssig] Re: GPS data from PCsat

```
From: Jeff King <jeff@aerodata.net>
Date: Tue, 15 Jan 2002 00:09:36 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: TAPR APRS Special Interest Group <aprssig@lists.tapr.org>,
        amsat-bb@AMSAT.Org, ozaprs@marconi.ics.mq.edu.au,
        TAPR APRS Special Interest Group <aprssig@tapr.org>
Message-ID: <LYR842-57380-2002.01.14-23.39.03--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain
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```
Bob Bruninga wrote:

> On Mon, 14 Jan 2002, Jeff King wrote:
>>The 1200
>>baud ground stations are going to be transmitting on top of the
>>satellite.
>>
>
> Yes, that is what we planned.




OK... thanks for the explanation. Kind of a layer cake approach. I like it.

73

Jeff wb8wka

--
|-------------------------------------------------------------------------|
| Jeff King   248-471-1787  F 248-471-0279 e-mail: jeff@aerodata.net      |
|                                                                         |
| "They that give up essential liberty to obtain a little temporary safety|
| deserve neither liberty nor safety."  -- Benjamin Franklin, 1759        |
|-------------------------------------------------------------------------|



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```

401. [aprssig] Re: GPS data from PCsat

```
From: <henk.de.groot@hetnet.nl>
Date: Tue, 15 Jan 2002 12:18:34 +0100
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: <aprssig@tapr.org>
Message-ID: <LYR842-57405-2002.01.15-05.48.29--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain
```

```
Hello,

From: "RMckni8527@aol.com" <RMckni8527@aol.com>
> It's the web author/developer's responsibility (highlighted, double
> exclamation point!) to ensure the web site is viewable by the majority
> of users.  This means they MUST code and test their web pages for the

I think this has been discussed before. The reason for this is that in order to put all the stations on
the MapBlast map the URL becomes rather long. Microsoft has implemented a limit to the URL line length
for some reason (out of specification, there is no limit) and thats why you don't see anything. Netscape
 doesn't have this limit or has a much higher limit than IE.

So instead of demaning this to work on any browser think for a minute. It is not possible to implement
this with MapBlast in a way that it works on IE. If you find out otherwise I'm sure Steve will be very
interested to hear from you.

Kind regards,

Henk.
```

```
---
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Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org
```

402. [aprssig] Re: GPS data from PCsat

From: henk.de.groot@hetnet.nl
Date: Tue, 15 Jan 2002 12:18:34 +0100
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: <aprssig@tapr.org>
Message-ID: <LYR842-57406-2002.01.15-05.49.21--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

```
Hello,

From: "RMckni8527@aol.com" <RMckni8527@aol.com>
> It's the web author/developer's responsibility (highlighted, double
> exclamation point!) to ensure the web site is viewable by the majority
> of users.  This means they MUST code and test their web pages for the

I think this has been discussed before. The reason for this is that in order to put all the stations on
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for some reason (out of specification, there is no limit) and thats why you don't see anything. Netscape
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So instead of demaning this to work on any browser think for a minute. It is not possible to implement
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interested to hear from you.

Kind regards,

Henk.


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```

403. [aprssig] Re: WinAPRS and Alinco DR-135T

From: Keith Sproul <ksproul@rci.rutgers.edu>
Date: Tue, 15 Jan 2002 09:08:46 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: aprssig@tapr.org
Message-ID: <LYR842-57417-2002.01.15-08.40.03--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

```
Use the 'generic' one, i.e.  TAPR TNC..

I have the Alinco with WinAPRS and it works fine

>I have an Alinco DR-135T with internal TNC.  I am trying to set up
>an APRS station as a Digi using WinAPRS 2.5.1.   Is anyone on the
>SIG using this setup?  I cannot determine what the TNC type is.  The
>info that came with the Alinco does not give an idea what it
>emulates.  I am also having a hard time getting the setup right to
>have it seen as a digi.  If I use my call and a -1, I cannot send a
>test message from my call (KD4NUE) to my digi alias (KD4NUE-1), but
>it seems to be able to relay info.  My message list shows q as
>acknowledgment; not an a.  If I set my call as KD4NUE, it is not
>recognized as a digi.  I can do a Control T and see that info is
>being routed through me, but I don't show up in the protopath of any
>of the stations going through me.
>
>Maybe I am trying to think packet and not APRS, but everything I
>have tried so far doesn't seem to be getting the setup right.
>
>I am new to APRS, and I am in a location that could use some help.
>I got this setup so I could try to help fill a void in the area.  I
>planned on dedicating this setup as a digi, but don't want to slow
>things down with an improper unproto setup.
>
>Any advice/suggestions appreciated.
>
>David
>KD4NUE


--
```

```
Keith Sproul    ksproul@rci.rutgers.edu         WU2Z
Student Housing Network Coordinator             732 445-3695 W
Rutgers University Computing Services

---
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Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org
```

---

404. [aprssig] Re: GPS data from PCsat

From: Bob Bruninga <bruninga@usna.edu>
Date: Tue, 15 Jan 2002 09:14:49 -0500 (EST)
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: TAPR APRS Special Interest Group <aprssig@lists.tapr.org>
Message-ID: <LYR842-57418-2002.01.15-08.44.45--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

```
On Mon, 14 Jan 2002, John Becker wrote:

> ----- Original Message -----
> From: "Bob Bruninga" <bruninga@usna.edu>
> >
> > But note. Microsoft Internet Explorer will not draw the maps.  But
> > NETSCAPE will...
> > de WB4APR@amsat.org, Bob

> Gee just like the FCC..... Read a report over the weekend that said
> that Netscape was used by 27.3 per cent of all on line....... so I
> guess it's screw the other 72.7 per cent......
>
> SORRY   Jim it just burns me when the needs of the many or over look
> for the needs of the few..

Its not our fault.  MS Internet Explorer just cannot handle the long URL's
that FINDU uses to get the maps from MAPQUEST.  Netscape happens to not
care about the length of the URL...

I am frustrated by this also, but the best thing to do is write Microsoft
a letter and explain to them that their Browser has a bug in it...  I use
Internet Explorer too, but have to use Netscape to look at those maps.
But most of the time, I am not interested in the maps, so MS-IE is fine..

de WB4APR, Bob



---
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```

---

405. [aprssig] Re: [Jeff Brenton] Browsers, and coding for them

From: "Gregg G. Wonderly" <gregg@skymaster.c2-tech.com>
Date: Tue, 15 Jan 2002 08:34:36 -0600
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: TAPR APRS Special Interest Group <aprssig@lists.tapr.org>,
        aprssig@tapr.org
Message-ID: <LYR842-57419-2002.01.15-09.04.33--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

```
<on your soap box with you>
><soapbox kicking mode>
>
>Rac> It's the web author/developer's responsibility (highlighted, double
>Rac> exclamation point!) to ensure the web site is viewable by the majority of

>Rac> users.  This means they MUST code and test their web pages for the
>Rac> average/lowest common denominator of WORLDWIDE users.
>
>There is a key word missing from the above - "PROFESSIONAL", inserted
>in front of "web author/developer".
>
>As one, I can tell you it's a PITA to accomodate "all" users. Books
>are written on the subject. Compatibility charts abound. And, guess
>what? It's still damn near impossible to optimize a site for more than
>a couple of browsers in any reasonable amount of time.

In the end, HTML 1.0, works fine on all browsers.  If you want to create a
magazine article or a newspaper, there are people that will pay you for that.
```

There is very little information (not advertising) on the web that is not best presented a simply structured text with appropriate graphics (use links to pictures if you really want to be nice to those who are bandwidth limited).

</on your soap box with you>

-----
gregg@c2-tech.com (C2 Technologies Inc)

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To unsubscribe send a blank email to leave-aprssig-842K@lists.tapr.org
Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

406. [aprssig] Re: GPS data from PCsat

From: Bob Bruninga <bruninga@usna.edu>
Date: Tue, 15 Jan 2002 09:39:43 -0500 (EST)
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: TAPR APRS Special Interest Group <aprssig@lists.tapr.org>,
<amsat-bb@AMSAT.Org>, <ozaprs@marconi.ics.mq.edu.au>,
TAPR APRS Special Interest Group <aprssig@tapr.org>
Message-ID: <LYR842-57421-2002.01.15-09.10.13--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

On Tue, 15 Jan 2002, Jeff King wrote about dual use of 144.39:

> OK... thanks for the explanation. Kind of a layer cake approach. I like it.

And for what it is worth, there was actually another idea for channel sharing for an APRSAT that we designed to go to a near geostationary orbit. It RECEIEVD on 144.39.

THis seems ludicrous at first blush, becasue the frequency in north america is jammed with dozens of collided packets per second (and a satellite would hear all of them at once).... But these are all aimed more or less at the horizon and using 50W or less stations. And the satellite is up at about 45 degrees over the central USA, where all of this energy is about 6 dB or more down.

So we theorized that a mobile with a 300W amp and a roof mounted turnstyle antenna with a main lobe straight up, would be able to just hit the bird (40,000 km away) and still be at least 16 to 20 dB stronger than the noise level of all the other 144.39 traffic... (whcih could not possibly be decoded)..

The advantage being that those special mobiles would be transparently able to hit the terrrestrial system and/or the satellite without any operator intervention..

But that was the mission we got bumped off one week before integration...
(And also back when we thought there was no way we would ever get a 2m frequency from AMSAT in the satelltie sub-band and so we were looking at other ways to share frequenceies)

Bob

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Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

407. [aprssig] Re: GPS data from PCsat

From: Jeff Brenton KA9VNV <jeffb@csrye.org>
Date: Tue, 15 Jan 2002 08:38:09 -0600
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-57423-2002.01.15-09.12.25--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

BB> Its not our fault. MS Internet Explorer just cannot handle the long URL's
BB> that FINDU uses to get the maps from MAPQUEST. Netscape happens to not
BB> care about the length of the URL...

Any book on HTML (more precisely, HTTP) will tell you that there are

hard limits on GET operations, the most popular way to display web
pages. It isn't just the browser that limits the length of a URL;
servers do, too.

You should not count on being able to send more than 200-300
characters as part of a GET URL; in fact, many of the security
problems with web servers COUNT on long URLs breaking something in the
web server.

POST operations allow more information to be sent to the server as
arguments, like call signs, locations, etc. But, you can't bookmark a
URL that uses POST. More precisely, you CAN bookmark it, but it won't
store the variables used to make the link work.

--
Best regards,
 Jeff KA9VNV   mailto:jeffb@csrye.org

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---

408. [aprssig] Re: [Jeff Brenton KA9VNV] Re: GPS data from PCsat

From: "Gregg G. Wonderly" <gregg@skymaster.c2-tech.com>
Date: Tue, 15 Jan 2002 09:24:46 -0600
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: TAPR APRS Special Interest Group <aprssig@lists.tapr.org>
Message-ID: <LYR842-57426-2002.01.15-09.54.37--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

>POST operations allow more information to be sent to the server as
>arguments, like call signs, locations, etc. But, you can't bookmark a
>URL that uses POST. More precisely, you CAN bookmark it, but it won't
>store the variables used to make the link work.

But you can create a <FORM> that uses POST, and set the variable with the long
string in the form and just provide the user a submit button. If the server
supports POST access, this is the easiest way to do complicated URLs and just
provide a page with the button that the user can bookmark.

Here's an example. You can put text on the button as you see fit...

```
<form type="GET" action="http://www.mapblast.com/gif">
<input type="hidden" name="CT" value="36.15250:-95.99117:8000">
<input type="hidden" name="IC" value="36.15250:-95.99117:100:W5GGW-7">
<input type="hidden" name="FAM" value="myblast">
<input type="hidden" name="W" value="456">
<input type="hidden" name="H" value="259">
<input type="submit">
</form>
```

-----
gregg@c2-tech.com (C2 Technologies Inc)

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---

409. [aprssig] Re: GPS data from PCsat

From: "Pearce, David E" <david.e.pearce@lmco.com>
Date: Tue, 15 Jan 2002 08:30:09 -0700
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-57427-2002.01.15-10.00.21--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

If MS would stop trying to make IE incompatable with Netscape, things would
work a lot better. Remember, MS purposely tried to screw up Java, but a
judge had to slap their hand. Now they intend to drop Java completely.

Remember, MS purposely screws with the hard disk settings so it is very
difficult to run dual boot.

MS has shown again and again that it will make its software different just
to confound competitors. MS is 90 percent to blame, netscape maybe 10

percent.

-----Original Message-----
From: John Becker [mailto:molou@big-river.net]
Sent: Monday, January 14, 2002 6:47 PM
To: TAPR APRS Special Interest Group
Subject: [aprssig] Re: GPS data from PCsat

----- Original Message -----
From: "Bob Bruninga" <bruninga@usna.edu>
>
> But note. Microsoft Internet Explorer will not draw the maps. But
> NETSCAPE will...
>
> de WB4APR@amsat.org, Bob
>

Gee just like the FCC.....

Read a report over the weekend that said that Netscape was used by   27.3
per cent
of all on line....... so I guess it's screw the other 72.7 per cent......

SORRY   Jim it just burns me when the needs of the many or over look
for the needs of the few..

John, W0JAB

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---
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Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

410. [aprssig] Re: [Jeff Brenton] Browsers, and coding for them

From: Bob Bruninga <bruninga@usna.edu>
Date: Tue, 15 Jan 2002 11:06:05 -0500 (EST)
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: TAPR APRS Special Interest Group <aprssig@lists.tapr.org>
Message-ID: <LYR842-57436-2002.01.15-10.36.06--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

On Tue, 15 Jan 2002, Gregg G. Wonderly wrote:

> >Rac> It's the web author/developer's responsibility (highlighted, double
> >Rac> exclamation point!) to ensure the web site is viewable by the majority
> >Rac> of users. This means they MUST code and test their web pages for
> >Rac> the average/lowest common denominator of WORLDWIDE users.
> >
> >There is a key word missing from the above - "PROFESSIONAL", inserted
> >in front of "web author/developer".

Exactly, Steve did this for us and for fun in his spare time. LIke
anything else in HAM radio, be happy when it works. ANd also like in ham
radio, if you can do it better, then do it. The live source data is
avaiable to anyone anywhere to write any kind of APRS web page from the
LIVE streaming data... so go for it...

I think Steve's work is great! and am happy to find a way to read it...

THink of it. 10 years ago, Who would have thought that you would get live
access to your amateur satellite data anywhere in the world for FREE!

Bob

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Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

411. [aprssig] 2 meters noisy?

```
From: Earl Needham <needhame@yucca.net>
Date: Tue, 15 Jan 2002 13:58:41 -0700
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-57448-2002.01.15-15.28.48--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain
```

```
Anybody else having problems with 2 meters being exceptionally
noisy?  Both my car and my house stations are currently having difficulty
copying packets unless they are extremely strong -- like my car within half
a mile of the house!

        I tried driving the car towards the nearest digi (20 miles away) and only
copied a very few packets through the local digi, and nothing from the
house once I was a mile or so away.

        Both stations normally have fairly good range.

        Thanks,
        Earl


*********************************************************
Earl Needham, KD5XB mailto:needhame@yucca.net
Clovis, New Mexico
KD5XB-2>APU24L,WA5IHL-11,K5BEN-15,WA5IHL-7,W5SF-1,K5CQH-15,WB5EKP-1*,TRACE7-
1:=3425.84N/10313.56W-[DM84]
Pet peeve #1: You look at a "SITE" with your "SIGHT".
Pet peeve #2: "Congratulations" does NOT have a "d" in it.
Old pet peeve: People who get themselves on a mailing list and then can't
figure out how to get OFF the list, then repeatedly sending "unsubscribe"
or "remove" as one-word messages to the list.


---
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Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org
```

---

412. [aprssig] Being clobbered on 30 m.

```
From: bclark@wxvanes.com
Date: Tue, 15 Jan 2002 21:27:17 -0000
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-57449-2002.01.15-15.57.15--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain
```

```
We are operating an APRS weather station in the Caribbean and are being
clobbered by a S9+ "Woodpecker" signal on 10.151 mHz.

Anyone out there know who or what this signal is?

Thanks much,

Brad Clark

VP5WX


---
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Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org
```

---

413. [aprssig] Mobile Sat Beam

```
From: Bob Bruninga <bruninga@usna.edu>
Date: Tue, 15 Jan 2002 18:18:19 -0500 (EST)
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-57462-2002.01.15-17.48.14--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain
```

```
The following WEB page shows my Mobile PCsat command station with 5
element beam on the roof and how it can be raised/lowerd, horizontal or
vertical and rotated.

Also note the photos were taken with my kids $49 Kmart DigiPix camera they
got for christmas.  Not a Nikon or a Cannon, but perfect for quick WEB
shots.  Photos are only about 10 to 17K Jpegs and load very fast..
```

Mobile Van Beam: http://web.usna.navy.mil/~bruninga/pcsat/VanAnt.html

de WB4APR@amsat.org, Bob

PCsat WEB page   http://www.ew.usna.edu/~bruninga/pcsat.html
ISS-APRS FAQ: http://www.ew.usna.edu/~bruninga/iss-faq.html
CUBESAT Designs   http://www.ew.usna.edu/~bruninga/cubesat.html
APRS LIVE pages   http://www.ew.usna.edu/~bruninga/aprs.html
APRS SATELLITES   http://www.ew.usna.edu/~bruninga/astars.html
MIM/Mic-E/Mic-Lite http://www.toad.net/~wclement/bruninga/mic-lite.html

---
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414. [aprssig] findu down

From: "Joe Della Barba" <joe@dellabarba.com>
Date: Tue, 15 Jan 2002 19:09:08 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-57468-2002.01.15-18.41.06--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

FINDU is down right now.
73
Joe N3HGB
ps - I thought AGW was a hoplelss cause, but it just didn't like W2K. It is
running great on second computer using W98. It is really fun to play with.

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415. [aprssig] Mayday

From: "Joe Della Barba" <joe@dellabarba.com>
Date: Tue, 15 Jan 2002 19:18:48 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-57481-2002.01.15-18.50.47--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Assuming I can ever get my TTII to work, what would be a good "mayday"
setting for an aircraft. I had thought of using MAYDAY <Aircraft callsign>
in the status beacon and using a path of WIDE7-7 with a 20 second repeat
rate. Would this work? Is there some APRS standard for distress? Would
people believe it if they saw it or think it was a hoax. Obviously I
wouldn't want to test it or even send WIDE7-7 from the air normally. Would
that be counterproductive to put so many wides in anyway?
Thanks,
Joe
73 DE N3HGB

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Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

416. [aprssig] RE: Mobile Sat Beam

From: "Ben Miller" <benm@applink.net>
Date: Tue, 15 Jan 2002 19:07:56 -0600
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-57482-2002.01.15-19.37.56--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Bob,

That's slick. How does it perform at 70 (75,80...) MPH?! Hi. Hi.

I've thought of doing something similar but haven't. Not sure I want to
start a fight if you know what I mean.

73

Ben Miller

```
W5MBM
Vice President Rockwall Amateur Radio Club
Rowlett Texas RACES Weather Officer

...snip
> Mobile Van Beam:   http://web.usna.navy.mil/~bruninga/pcsat/VanAnt.html




---
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```

417. [aprssig] Re: 2 meters noisy?

```
From: Earl Needham <needhame@yucca.net>
Date: Tue, 15 Jan 2002 19:00:13 -0700
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-57488-2002.01.15-20.32.15--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain
```

```
At 01:58 PM 1/15/2002 -0700, Earl Needham wrote:

>          Anybody else having problems with 2 meters being exceptionally
> noisy?  Both my car and my house stations are currently having difficulty
> copying packets unless they are extremely strong -- like my car within
> half a mile of the house!

         Seems to have fixed itself about sundown.

         Was there a solar flare or something???

         7 3
         Earl


**********************************************************
Earl Needham, KD5XB mailto:needhame@yucca.net
Clovis, New Mexico
KD5XB-2>APU24L,WA5IHL-11,K5BEN-15,WA5IHL-7,W5SF-1,K5CQH-15,WB5EKP-1*,TRACE7-
1:=3425.84N/10313.56W-[DM84]
Pet peeve #1: You look at a "SITE" with your "SIGHT".
Pet peeve #2: "Congratulations" does NOT have a "d" in it.
Old pet peeve: People who get themselves on a mailing list and then can't
figure out how to get OFF the list, then repeatedly sending "unsubscribe"
or "remove" as one-word messages to the list.


---
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```

418. [aprssig] AGW & W2K

```
From: Earl Needham <needhame@yucca.net>
Date: Tue, 15 Jan 2002 19:01:59 -0700
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-57490-2002.01.15-20.33.04--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain
```

```
At 07:09 PM 1/15/2002 -0500, Joe Della Barba wrote:
><snip>
>ps - I thought AGW was a hoplelss cause, but it just didn't like W2K. It is
>running great on second computer using W98. It is really fun to play with.

         Works like a champ here.  As always, every computer is different
and it can sometimes be a real headache to get something to work right.  If
you really want to use AGW with W2K, and you're having problems, it just
takes a lot of tinkering to overcome it.

         I was very fortunate, it worked the first time here.  You
experience is obviously different, but perhaps you can get it going in the
future.

         7 3
         Earl
```

****
Earl Needham, KD5XB mailto:needhame@yucca.net
Clovis, New Mexico
KD5XB-2>APU24L,WA5IHL-11,K5BEN-15,WA5IHL-7,W5SF-1,K5CQH-15,WB5EKP-1*,TRACE7-1:=3425.84N/10313.56W-[DM84]
Pet peeve #1: You look at a "SITE" with your "SIGHT".
Pet peeve #2: "Congratulations" does NOT have a "d" in it.
Old pet peeve: People who get themselves on a mailing list and then can't
figure out how to get OFF the list, then repeatedly sending "unsubscribe"
or "remove" as one-word messages to the list.

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Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

---

419. [aprssig] Re: Mayday

From: Earl Needham <needhame@yucca.net>
Date: Tue, 15 Jan 2002 19:00:05 -0700
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-57489-2002.01.15-20.32.22--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

At 07:18 PM 1/15/2002 -0500, Joe Della Barba wrote:
>Assuming I can ever get my TTII to work, what would be a good "mayday"
>setting for an aircraft. I had thought of using MAYDAY <Aircraft callsign>
>in the status beacon and using a path of WIDE7-7 with a 20 second repeat
>rate. Would this work? Is there some APRS standard for distress? Would
>people believe it if they saw it or think it was a hoax. Obviously I
>wouldn't want to test it or even send WIDE7-7 from the air normally. Would
>that be counterproductive to put so many wides in anyway?
>Thanks,
>Joe
>73 DE N3HGB

From symbols.txt -- $GPSOB

7 3
Earl

****
Earl Needham, KD5XB mailto:needhame@yucca.net
Clovis, New Mexico
KD5XB-2>APU24L,WA5IHL-11,K5BEN-15,WA5IHL-7,W5SF-1,K5CQH-15,WB5EKP-1*,TRACE7-1:=3425.84N/10313.56W-[DM84]
Pet peeve #1: You look at a "SITE" with your "SIGHT".
Pet peeve #2: "Congratulations" does NOT have a "d" in it.
Old pet peeve: People who get themselves on a mailing list and then can't
figure out how to get OFF the list, then repeatedly sending "unsubscribe"
or "remove" as one-word messages to the list.

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---

420. [aprssig] VK APRS Server aprs.net.au Outage.

From: "Richard Hoskin" <lhoskin@bigpond.com>
Date: Wed, 16 Jan 2002 13:05:00 +1100
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-57491-2002.01.15-20.39.35--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

The Australian National APRS Server aprs.net.au will be off line for a
period of time between 0500utc and 2000utc on the 17th of Jan.

This is due to an IP address change and subsequent changes to the DNS server
etc.

If there are problems with the DNS server change, you will still be able to
connect to the server AFTER the above outage times if you use the dedicated
IP address of 202.12.147.52

Eg 202.12.147.52:10151 to access the APRS Server.

Regards

Richard
VK3JFK

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To unsubscribe send a blank email to leave-aprssig-842K@lists.tapr.org
Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

---

421. [aprssig] IGate Info Requested

From: greg@clubnet.net
Date: Tue, 15 Jan 2002 18:14:37 -0800
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-57492-2002.01.15-20.46.19--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

I am in the process of updating the connections file for the second.aprs.net server. Once I have an updated list, I will coordinate with the other two core server sysops to make sure we have a common set.

Below are a list of currently inactive Igates for which I have no information. If you are affiliated with any of these Igates, please e-mail me directly with proposed activity and contact information. I know some of these are quite old and have been defunct for some time, but I would like status confirmation before I permanently delete them.

alberta.aprs.net
aprs.moffatt.nu
baltimore.aprs.net
cosprings.aprs.net
dayton.aprs.net
hamgate.cs.usu.edu
kb2ear.aprs.net
kd6wxd.dynip.com
milwaukee.aprs.net
netherlands.aprs.net
ogden.aprs.net
radio-active.net.au
sweden.aprs.net
swiss.aprs.net
temple.aprs.net
tulsa.aprs.net
wv.aprs.net
w5ac.tamu.edu

I also request sysop contact information on the following operating Igates:

aprshhw.dyndns.org
concord.aprs.net
gw.officine.it
marconi.ece.cmu.edu

Thanks,

Greg
WB6ZSU
second.aprs.net

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---

422. [aprssig] RE: Mobile Sat Beam

From: "Andrew Rich" <andrew.rich@bigpond.com>
Date: Wed, 16 Jan 2002 12:30:08 +1000
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-57493-2002.01.15-20.58.31--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Looks like a helicopter to me

-----Original Message-----
From: bounce-aprssig-23621@lists.tapr.org
[mailto:bounce-aprssig-23621@lists.tapr.org]On Behalf Of Bob Bruninga
Sent: Wednesday, 16 January 2002 9:18 AM
To: TAPR APRS Special Interest Group
Subject: [aprssig] Mobile Sat Beam

The following WEB page shows my Mobile PCsat command station with 5
element beam on the roof and how it can be raised/lowerd, horizontal or
vertical and rotated.

Also note the photos were taken with my kids $49 Kmart DigiPix camera they
got for christmas. Not a Nikon or a Cannon, but perfect for quick WEB
shots. Photos are only about 10 to 17K Jpegs and load very fast..

Mobile Van Beam: http://web.usna.navy.mil/~bruninga/pcsat/VanAnt.html

de WB4APR@amsat.org, Bob

PCsat WEB page   http://www.ew.usna.edu/~bruninga/pcsat.html
ISS-APRS FAQ: http://www.ew.usna.edu/~bruninga/iss-faq.html
CUBESAT Designs   http://www.ew.usna.edu/~bruninga/cubesat.html
APRS LIVE pages   http://www.ew.usna.edu/~bruninga/aprs.html
APRS SATELLITES   http://www.ew.usna.edu/~bruninga/astars.html
MIM/Mic-E/Mic-Lite http://www.toad.net/~wclement/bruninga/mic-lite.html

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---

423. [aprssig] Kenwood TM-D700

From: "Doug Henry" <dhenry@skyweb.ca>
Date: Tue, 15 Jan 2002 22:52:32 -0600
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-57499-2002.01.15-23.21.31--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

I'm looking for some tips to get the Kenwood MCP-D700 software to work with
my new TM-D700. I'm using a DB-9 null modem cable between the radio and
computer. I'm connected to Com1 with the following parameters:
Bits per Second: 9600 (I've tried the other transfer rate options too)
Data Bits: 8
Parity: None
Stop Bits: 1
Flow Control: Xon/Xoff (I've tried Hardware and None too)

The radio is setup as TNC APRS on Band A with VHF/UHF Ops on Band B. When I
try to read data from the radio I get a window that says Reading Data from
Radio but before anything happens it is replaced by a Communications Timeout
Error message.

Tnx Doug
VE4TG

Outgoing mail is certified Virus Free.
Checked by AVG anti-virus system (http://www.grisoft.com).
Version: 6.0.314 / Virus Database: 175 - Release Date: 1/11/02
[Attachment: winmail.dat; application/ms-tnef; 3,796 bytes]

---

424. [aprssig] errors..

From: "Glen Briggs (KB0RPJ) - aka wx" <wx@grundyec.net>
Date: Tue, 15 Jan 2002 23:10:43 -0600
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-57501-2002.01.15-23.40.40--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

```
23:06:27 Invalid source call    ParseAPRSLine   W0IBM14,WIDE2-2:/999/144.49
+3/145.8  -3/R=02362/mode-V
```

what is causeing this.. using winaprs2.5.1
Thanks for your time,

Glen Briggs
IRC: wx - DALnet & AustNET
E-Mail: wx@grundyec.net
ICQ: 1133850
http://www.qsl.net/kb0rpj/
KB0RPJ

---
who'd have known life could be so simple, yet so complex.

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---

425. [aprssig] Re: Kenwood TM-D700

From: "Gregg G. Wonderly" <gregg@skymaster.c2-tech.com>
Date: Tue, 15 Jan 2002 23:18:38 -0600
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: TAPR APRS Special Interest Group <aprssig@lists.tapr.org>
Message-ID: <LYR842-57502-2002.01.15-23.48.27--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

>The radio is setup as TNC APRS on Band A with VHF/UHF Ops on Band B.

The TNC config on the THD7-A has to be in plain APRS or OFF to work.
Make sure that you have the correct cabling.   Try swapping pins 2 and 3 on
your DB-9 just to make sure you need a null modem (which I know you do, but
perhaps there is another part of your cabling that has already switched 2 and
3.
-----
gregg@c2-tech.com (C2 Technologies Inc)

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Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

---

426. [aprssig] Mic-E?

From: Kevin Deckert <kdeckert@mercuryspeed.com>
Date: Tue, 15 Jan 2002 21:20:27 -0800
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-57503-2002.01.15-23.50.33--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

With the Mic_E (conpressed packets) I see them on the screen as an
asortment of characters which the aprs program decodes into posit
info...Is there a way translating these symbols? Other than by APRS
programs?   an example if they are in a log file?
ve7whk

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---

427. [aprssig] Re: Kenwood TM-D700 -- serial port hookup

From: WA8LMF2@aol.com
Date: Wed, 16 Jan 2002 01:11:41 EST
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: dhenry@skyweb.ca
Message-ID: <LYR842-57512-2002.01.16-00.41.44--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

In a message dated 1/15/02 8:54:12 PM Pacific Standard Time, dhenry@skyweb.ca
writes:

> I'm looking for some tips to get the Kenwood MCP-D700 software to work with
> my new TM-D700. I'm using a DB-9 null modem cable between the radio and
> computer

You don't need the null modem; only a gender changer!   [Or a straight-through 9-conductor serial cable with a DB-9 FEMALE on both ends. Radio Shack sells these -- I actually got one once in a small town RS in western Iowa when I got fed up with the kludge of gender-changer, AT-modem cable and and 25-to-9 adapter that I had been using on a cross-country trip.]   The time-outs you are getting is because the TXD lines of both devices are butting heads instead of going into the RXD on the opposite device!

Kenwood has been knocked repeatedly on various APRS, computer and packet lists and web sites for the idiotic decision to put a MALE DB-9 on the radio. It should have been FEMALE (like an external modem or TNC) so that a standard computer-to-external-modem cable would have worked . About half the new users automatically assume that since BOTH the PC and the radio have MALE connectors on them that you must need a null modem.

Stephen H. Smith   wa8lmf @ aol.com
Home Page:
http://members.aol.com/wa8lmf
Ham Radio/Mobile SSTV page: http://members.aol.com/wa8lmf/ham
APRS Stuff
http://members.aol.com/wa8lmf/aprs

| Radio Communications Systems   Personal Computers
| Consulting and Systems Integration
| GPS Custom Mapping   &   Radio Coverage Surveys
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428. [aprssig] Re: 2 meters noisy?

From: Mark Fellhauer <sparkfel@qwest.net>
Date: Wed, 16 Jan 2002 01:48:30 -0600
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-57514-2002.01.16-02.18.50--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

At 08:00 PM 1/15/02, Earl Needham wrote:

>   Seems to have fixed itself about sundown.
>
>   Was there a solar flare or something???

Being in New Mexico, I think you'd be used to the 2m interference caused by extraterrestrial interplanetary space vehicles by now. ;)

Mark
KC7BXS

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429. [aprssig] Fwd: [iss_shuttle] ISS Antennas Installed

From: blitz <blitz@macronet.net>
Date: Wed, 16 Jan 2002 04:53:20 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-57516-2002.01.16-04.23.24--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

>
>
> From the ARRL...
>
>Amateur Radio on the International Space Station got a new antenna January
>14, thanks to a spacewalk by Expedition 4 crew members Yuri Onufrienko,

>RK3DUO, and Carl Walz, KC5TIE. Another of new ARISS ham antenna--there are
>four in all--could be installed January 25.
>
>''It was beautiful to watch,'' ARISS Board Chairman Frank Bauer, KA3HDO,
>said. ''It went like clockwork, everything deploying just as it was
>supposed to.''
>
>While crewmate Dan Bursch, KD5PNU, operated the robotic arm and monitored
>and videotaped the spacewalk--or EVA--from inside the ISS, Onufrienko and
>Walz first relocated a Russian Strela cargo crane used to maneuver
>equipment and spacewalkers. Then, they installed the flexible-tape VHF-UHF
>Amateur Radio antenna on a handrail at the end of the Zvezda Service
>Module--the crew's living quarters. The new VHF-UHF antenna is the first
>one designed for and dedicated specifically to support ARISS operations.
>
>Installation of the new antenna on Zvezda paves the way for two separate
>ham stations aboard Space Station Alpha. The ARISS initial ham station
>gear--single-band hand-held transceivers for 2 meters and 70 cm--now is
>installed in the Zarya Functional Cargo Block. Tentative plans call for a
>2-meter station to remain in Zarya, while a second 70-cm station will be
>set up in Zvezda using the newly installed antenna.
>
>ARISS ARRL representative Rosalie White, K1STO, said she, too, was pleased
>to see this phase of the project coming together. ''We started all this in
>1998--and now we have a permanent antenna on the outside of the station,''
>she said. ''Pretty cool.''
>
>Bauer congratulated the ARISS international team for their assistance in
>the antenna project. ''We have taken our ideas, concepts and vision and
>transformed them into reality,'' he said.
>
>ARISS is a collaboration of ARRL, AMSAT and NASA. For more information,
>visit the <http://ariss.gsfc.nasa.gov/>ARISS Web site.
>http://ariss.gsfc.nasa.gov/

---

430. [aprssig] RE: errors..

From: Bill Diaz <billdiaz@megsinet.net>
Date: Wed, 16 Jan 2002 07:48:28 -0600
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-57530-2002.01.16-08.19.41--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Glen,
W0IBM14,WIDE2-2:/999/144.49+3/145.8 -3/R=02362/mode-V appears to be a defective packet.

The source call W0IBM14 should be followed by ">" rather than ",". WinAprs flagged this packet since it is not AX25 compliant.

The basic elements of an AX25 packet in TNC2 display format are: Source>Destination,Via:Payload.

The source call is seperated from the destination call with the ">" character.

A source call cannot exceed 9 bytes (including SSID) and should not contain any punctuation other than "-" character.

If ">" is not present or is found more than 10 characters from the start of the packet, WinAprs considers the source call to be defective.

HTH,
Bill KC9XG

On Tuesday, January 15, 2002 23:11, Glen Briggs (KB0RPJ) - aka wx [SMTP:wx@grundyec.net] wrote:
> 23:06:27 Invalid source call ParseAPRSLine   W0IBM14,WIDE2-2:/999/144.49
> +3/145.8 -3/R=02362/mode-V
>
>
> what is causeing this.. using winaprs2.5.1
> Thanks for your time,
>
> Glen Briggs
> IRC: wx - DALnet & AustNET
> E-Mail: wx@grundyec.net
> ICQ: 1133850
> http://www.qsl.net/kb0rpj/
> KB0RPJ
>
> ---
> who'd have known life could be so simple, yet so complex.
> ---

>
>
> ---
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---

431. [aprssig] How PCsat looks on the D7 HT

From: Bob Bruninga <bruninga@usna.edu>
Date: Wed, 16 Jan 2002 09:14:14 -0500 (EST)
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: TAPR APRS Special Interest Group <aprssig@tapr.org>
Message-ID: <LYR842-57531-2002.01.16-08.45.01--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

A station in Japan was excited to see his HT receive PCsat and so he took
the time to type in what the displays look like:

Yes today, I also succeeded to receive many packets from PCsat with my D7.

```
=== POSITION LIST ===
1st page:
 | 1:PCSAT-1  |
 |  GOOD/GGA  |  <== Shwoing that the packet was a GPS $GPGGA data
 |            |

3rd page:
 | 1:PCSAT-1  |
 |S  QM30DU   |  <== This is the PCsat grid square
 | *  500mi SE|  <== this is a graphical page showing the STAR ICON
                 <== Radio shows PCsat subsatelliite point was 500mi
                 <== to SE so it was  up at 45 degrees.  A high pass
4th page:
 | 1:PCSAT-1  |
 |N  30 51.80'|  <== Lat Long
 |E 146 15.01'|

5th page:
 | 1:PCSAT-1  |
 |alt802206M  |  <== PCsat at 802,206 meters (802 km)
 |cse--- s---m|

=== BULLETIN LIST ===
1st page:
 |B3<PCSAT-1  |
 |www.ew.usna.|
 |edu/pcsat   |

2nd page:
 |B3<PCSAT-1  |
 |for details |
 |of operat   |

And one more bulletin is,
1st page:
 |B4<PCSAT-1  |
 |Format of a |
 |Bulletin  is|

2nd page:
 |B4<PCSAT-1  |
 | designed to|
 | match D7   |
```

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---

432. [aprssig] Re: Kenwood TM-D700

From: "Craig Brunson" <Brunson1@gte.net>
Date: Wed, 16 Jan 2002 06:17:20 -0800
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-57532-2002.01.16-08.47.19--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Doug-

The MCP-D700 program works when the D700 is in normal mode. You cannot have
the D700 in APRS mode & get ANYTHING from the DE-9 connector. If you are
wanting digital data on the DE-9 connector, it must be in packet mode . We
have complained to Kenwood about this for 2 years, but they have a deaf ear.

good luck - 73
Craig
N7TSZ

----- Original Message -----
From: "Doug Henry" <dhenry@skyweb.ca>
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Sent: Tuesday, January 15, 2002 8:52 PM
Subject: [aprssig] Kenwood TM-D700

> I'm looking for some tips to get the Kenwood MCP-D700 software to work
with
> my new TM-D700. I'm using a DB-9 null modem cable between the radio and
> computer. I'm connected to Com1 with the following parameters:
> Bits per Second: 9600 (I've tried the other transfer rate options too)
> Data Bits: 8
> Parity: None
> Stop Bits: 1
> Flow Control: Xon/Xoff (I've tried Hardware and None too)
>
> The radio is setup as TNC APRS on Band A with VHF/UHF Ops on Band B. When
I
> try to read data from the radio I get a window that says Reading Data from
> Radio but before anything happens it is replaced by a Communications
Timeout
> Error message.
>
> Tnx Doug
> VE4TG

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---

433. [aprssig] RE: How PCsat looks on the D7 HT

From: "Andrew Rich" <andrew.rich@bigpond.com>
Date: Thu, 17 Jan 2002 00:24:39 +1000
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: <ui-view@yahoogroups.com>,
"TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>,
"Ozaprs" <ozaprs@marconi.mpce.mq.edu.au>
Message-ID: <LYR842-57533-2002.01.16-08.53.10--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Bob,

What is a GPS height referenced on ? Mean Sea Level ?

It is late but the question just dawned on me.

-----Original Message-----
From: bounce-aprssig-23621@lists.tapr.org
[mailto:bounce-aprssig-23621@lists.tapr.org]On Behalf Of Bob Bruninga
Sent: Thursday, 17 January 2002 12:14 AM
To: TAPR APRS Special Interest Group
Cc: TAPR APRS Special Interest Group
Subject: [aprssig] How PCsat looks on the D7 HT

A station in Japan was excited to see his HT receive PCsat and so he took
the time to type in what the displays look like:

Yes today, I also succeeded to receive many packets from PCsat with my D7.

```
=== POSITION LIST ===
1st page:
 | 1:PCSAT-1  |
 |  GOOD/GGA  |  <== Shwoing that the packet was a GPS $GPGGA data
 |            |

3rd page:
 | 1:PCSAT-1  |
 |S  QM30DU   |  <== This is the PCsat grid square
 | *  500mi SE|  <== this is a graphical page showing the STAR ICON
                 <== Radio shows PCsat subsatelliite point was 500mi
                 <== to SE so it was  up at 45 degrees.  A high pass
4th page:
 | 1:PCSAT-1  |
 |N  30 51.80'|  <== Lat Long
 |E 146 15.01'|

5th page:
 | 1:PCSAT-1  |
 |alt802206M  |  <== PCsat at 802,206 meters (802 km)
 |cse--- s---m|

=== BULLETIN LIST ===
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 |www.ew.usna.|
 |edu/pcsat   |

2nd page:
 |B3<PCSAT-1  |
 |for details |
 |of operat   |

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 |Format of a |
 |Bulletin  is|

2nd page:
 |B4<PCSAT-1  |
 | designed to|
 | match D7   |
```

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---

434. [aprssig] Re: Mic-E?

From: "Tony Blake" <tblake@kb0lxr-uhf.ampr.org>
Date: Wed, 16 Jan 2002 08:41:00 -0600
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-57535-2002.01.16-09.11.04--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Down load the following file from the TAPR web site:

ftp://ftp.tapr.org/aprssig/aprsspec/spec/aprs101/APRS101.pdf

It is the APRS spec doc. It has the information you are looking for.

----- Original Message -----
From: <bounce-aprssig-27293@lists.tapr.org>
Newsgroups: rec.radio.amateur.digital.aprs.sig
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Sent: Tuesday, January 15, 2002 11:20 PM
Subject: [aprssig] Mic-E?

> With the Mic_E (conpressed packets) I see them on the screen as an
> asortment of characters which the aprs program decodes into posit
> info...Is there a way translating these symbols? Other than by APRS
> programs?   an example if they are in a log file?
> ve7whk
>
>
> ---
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> Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org
>

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Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

---

435. [aprssig] Re: Kenwood TM-D700

From: Robbie Robertson <mwrobertson@attbi.com>
Date: Wed, 16 Jan 2002 09:21:54 -0600
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: TAPR APRS Special Interest Group <aprssig@lists.tapr.org>
Message-ID: <LYR842-57542-2002.01.16-09.51.42--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Hi Doug,

While looking at the answers you've received so far, none seems
to directly address your question as stated..

The Kenwood software is for setting parameters in the D700, like
frequencies for memories, PL tones and anything else you would do
from the front panel. It is not a program for decoding packets
and communicating with other stations.

Obtain a straight through cable as mentioned, plug the cable in
to the computer and radio and turn the radio on. Never plug the
cable in while the radio is on, according to Kenwood.

Now, start the Kenwood program. Click on Read the data..
Everything that has been stored in the D700 will fill in the
Screen displayed on the monitor. Change or modify anything you
desire, then Write to a file on your computer for safe keeping,
and then write to the D700 if you are satisfied with your
changes..

If you want to run aprs software, connect the cable as above,
turn on the radio, place the radio in "Packet" tnc and then start
your aprs program.. Or for that matter, any "Packet" program, or
terminal program.

Good Luck and 73

Robbie

Doug Henry wrote:
>
> I'm looking for some tips to get the Kenwood MCP-D700 software to work with
> my new TM-D700. I'm using a DB-9 null modem cable between the radio and
> computer. I'm connected to Com1 with the following parameters:
> Bits per Second: 9600 (I've tried the other transfer rate options too)
> Data Bits: 8
> Parity: None
> Stop Bits: 1
> Flow Control: Xon/Xoff (I've tried Hardware and None too)
>
> The radio is setup as TNC APRS on Band A with VHF/UHF Ops on Band B. When I
> try to read data from the radio I get a window that says Reading Data from
> Radio but before anything happens it is replaced by a Communications Timeout
> Error message.
>
> Tnx Doug
> VE4TG
>
> ---
> Outgoing mail is certified Virus Free.
> Checked by AVG anti-virus system (http://www.grisoft.com).

```
> Version: 6.0.314 / Virus Database: 175 - Release Date: 1/11/02
>
>
>   ----------------------------------------------------------------
>                   Name: winmail.dat
>    winmail.dat    Type: WordPerfect Document (6.1) File
(application/x-unknown-content-type-WPWin6.1File)
>               Encoding: base64
```

--

- Robbie Robertson -
...-.- wa9inf ...-.-

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---

436. [aprssig] The Power of PCsat (& ISS)

From: Bob Bruninga <bruninga@usna.edu>
Date: Wed, 16 Jan 2002 10:31:30 -0500 (EST)
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: TAPR APRS Special Interest Group <aprssig@tapr.org>
Message-ID: <LYR842-57543-2002.01.16-10.01.36--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

The Power of PCsat (& ISS when on):

Walk outside with a packet HT, and send a message when PCsat(or ISS) flies over. It will get to anywhere in the world to anyone LIVE within seconds! Here are two examples:

```
  KM4HG>APRS,PCSAT-1*::WB4APR   :HI bob.  Sending this via PCsat
```

This one will go to [wb4apr] anywhere on the planet live assuming the recepient has his radio on and is tuned to the local APRS frequency in his area.

```
  K4HG>APRS,PCSAT-1*::EMAIL    :joe@juno.com Hi joe! Sending this via Sat
```

This one will be delivered by Email to the email address included in the message (joe@juno.com for example).

What triggered me to post this email was when I got home last night I just happened to look at my laptop that monitors the local terrestrial APRS frequency and I saw the above message from KM4HG on MY screen. At first, I thought, that is impossible, since I never used that laptop or that radio for aanything but 144.39, and never tuned to the satellite and he does not have access to the uplink for the 144.39 downlink.

Duh... then I realized "the power of PCsat".... Since any packets digipeated by PCsat (or ISS) are picked up by various SAT-Gates and injected into the worldwide APRS internet stream, then if the packet is a message to someone, it will come out the other end -live- back to RF in -his- area for delivery on his local APRS frequency anywhere in the world!

Of course, one should be more -amazed- when it does work, then when it doesnt... after all, this is HAM radio. But it shows the power and potential of PCsat and ISS and any other digipeating satellite for getting the message out AND DELIVERED via the amateur satellites and Satellite monitoring satgates for the traveler...

So for fun, instead of sending your boring Gridsquare or posit, try sending someone an Email via satellite! from your packet station.

Format for the data portion of the packet is:

```
    :EMAIL      :email@address.here and message goes here
```

Where the EMAIL field is padded with 6 additional spaces...and the leading and ending colons are required.

Have fun!

de WB4APR@amsat.org, Bob

PCsat WEB page   http://www.ew.usna.edu/~bruninga/pcsat.html
ISS-APRS FAQ: http://www.ew.usna.edu/~bruninga/iss-faq.html

```
CUBESAT Designs     http://www.ew.usna.edu/~bruninga/cubesat.html
APRS LIVE pages     http://www.ew.usna.edu/~bruninga/aprs.html
APRS SATELLITES     http://www.ew.usna.edu/~bruninga/astars.html



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```

---

437. [aprssig] Re: Kenwood TM-D700 -- serial port hookup

From: Robbie Robertson <mwrobertson@attbi.com>
Date: Wed, 16 Jan 2002 09:35:36 -0600
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: TAPR APRS Special Interest Group <aprssig@lists.tapr.org>,
       dhenry@skyweb.ca
Message-ID: <LYR842-57544-2002.01.16-10.05.30--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

```
My apologies, Steve, you were right all the way, I mis-read your
reply..

Robbie

WA8LMF2@aol.com wrote:
>
> In a message dated 1/15/02 8:54:12 PM Pacific Standard Time, dhenry@skyweb.ca
> writes:
>
> > I'm looking for some tips to get the Kenwood MCP-D700 software to work with
> >  my new TM-D700. I'm using a DB-9 null modem cable between the radio and
> >  computer
>
> You don't need the null modem; only a gender changer!    [ Or a
> straight-through 9-conductor serial cable with a DB-9 FEMALE on both ends.
> Radio Shack sells these -- I actually got one once in a small town RS in
> western Iowa when I got fed up with the kludge of  gender-changer, AT-modem
> cable and and 25-to-9 adapter that I had been using on a cross-country trip.
> ]   The time-outs you are getting is because the TXD lines of both devices
> are butting heads instead of going into the RXD on the opposite device!
>
> Kenwood has been knocked repeatedly on various APRS, computer and packet
> lists and web sites for the idiotic decision to put a MALE DB-9 on the radio.
>  It should have been FEMALE (like an external modem or TNC) so that a
> standard computer-to-external-modem cable would have worked .  About half the
> new users automatically assume that since BOTH the PC and the radio have MALE
> connectors on them that you must need a null modem.
>
> Stephen H. Smith                   wa8lmf @ aol.com
> Home Page:
> http://members.aol.com/wa8lmf
> Ham Radio/Mobile SSTV page:     http://members.aol.com/wa8lmf/ham
> APRS Stuff
> http://members.aol.com/wa8lmf/aprs
> ---------------------------------------------------------------------------
>
> ----------
> |    Radio Communications Systems       Personal Computers
> |                Consulting and Systems Integration
> |    GPS Custom Mapping    &     Radio Coverage Surveys
> |    File Conversions       MS-Windows Setups       VISCII Fonts
> ---------------------------------------------------------------------------
>
> -----------
>
> ---
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> Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

--

- Robbie Robertson -
...-.- wa9inf ...-.-

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Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

---

438. [aprssig] New Station setup help needed

From: k9soa@att.net
Date: Wed, 16 Jan 2002 16:00:54 +0000
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-57548-2002.01.16-10.30.46--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Just getting started in APRS and was interested in
setting up a home station and maybe a digipeater.
Currently working on my car unit with TinyTrakII, Garmin
eMap, Yaesu FT-2600M but having a little problem getting
into any system. Going to have to use a system at home
to find out what is not right with the mobile unit.
There is an IGate about 20 miles from my home but even
when I am within 2 miles of it, it still can't see me.
The fun of something new.

What software and hardware do I need besides the
transciever. Going to a hamfest on the 27th and see
what I can find.

--
Don

www.k9soa.net (EM77EX)

Home of "JEANNIE"
The House That Listens

As appeared on HGTV's
Dream Builder show

Featured Home of the Month
Feb 2002 issue
Home Automation Magazine

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---

439. [aprssig] WinAPRS2.5.1 Objects and the TH-D7A(G)display

From: "Wade Blake" <wade.blake@noaa.gov>
Date: Wed, 16 Jan 2002 10:8:49
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-57550-2002.01.16-10.38.48--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

I'm running WinAPRS 2.5.1. When I create stationary objects on WinAPRS
(zero speed and course/direction), and make them "active", they are
transmitted out. When the TH-D7A(G) receives these "objects", the name and
location are correct, but the "course" shows up as 519 degrees and "speed"
of 999m.

Any thoughts.

Thanks, Wade, N7LGK

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---

440. [aprssig] Re: 2 meters noisy?

From: Earl Needham <needhame@yucca.net>
Date: Wed, 16 Jan 2002 10:22:20 -0700
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-57555-2002.01.16-11.52.44--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

At 01:48 AM 1/16/2002 -0600, Mark Fellhauer wrote:
>At 08:00 PM 1/15/02, Earl Needham wrote:
>
>>   Seems to have fixed itself about sundown.

```
>>
>>         Was there a solar flare or something???
>
>Being in New Mexico, I think you'd be used to the 2m interference caused
>by extraterrestrial interplanetary space vehicles by now.  ;)

         Normally, they don't cause any problems like that, but
occasionally the three gravity amplifiers get out of balance (similar to a
class B amp not being biased correctly) and they cause all kinds of things
when that happens -- thunderstorms, earthquakes, and the like.  In fact,
those things flying from Nevada over California out into the Pacific Ocean
have caused some memorable times!  <G>

         7 3
         Earl


*********************************************************
Earl Needham, KD5XB mailto:needhame@yucca.net
Clovis, New Mexico
KD5XB-2>APU24L,WA5IHL-11,K5BEN-15,WA5IHL-7,W5SF-1,K5CQH-15,WB5EKP-1*,TRACE7-
1:=3425.84N/10313.56W-[DM84]
Pet peeve #1: You look at a "SITE" with your "SIGHT".
Pet peeve #2: "Congratulations" does NOT have a "d" in it.
Old pet peeve: People who get themselves on a mailing list and then can't
figure out how to get OFF the list, then repeatedly sending "unsubscribe"
or "remove" as one-word messages to the list.


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```

---

441. [aprssig] Re: WinAPRS2.5.1 Objects and the TH-D7A(G)display

From: Bob Bruninga <bruninga@usna.edu>
Date: Wed, 16 Jan 2002 12:45:40 -0500 (EST)
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: TAPR APRS Special Interest Group <aprssig@lists.tapr.org>
Message-ID: <LYR842-57557-2002.01.16-12.15.42--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

```
On Wed, 16 Jan 2002, Wade Blake wrote:

> I'm running WinAPRS 2.5.1.  When I create stationary objects on WinAPRS
> (zero speed and course/direction), and make them "active", they are
> transmitted out.  When the TH-D7A(G) receives these "objects", the name and
> location are correct, but the "course" shows up as 519 degrees and "speed"
> of 999m.

THe CSE/SPD fields of an APRS position or object packet are shared fields
and can be relaced with free text if the object or station is stationalry.
But if you put numbers in the free field replacement, then the radio will
still interpret them as CSE/SPD..

de WB4APR@amsat.org, Bob

PCsat WEB  page     http://www.ew.usna.edu/~bruninga/pcsat.html
ISS-APRS FAQ:       http://www.ew.usna.edu/~bruninga/iss-faq.html
CUBESAT Designs     http://www.ew.usna.edu/~bruninga/cubesat.html
APRS LIVE pages     http://www.ew.usna.edu/~bruninga/aprs.html
APRS SATELLITES     http://www.ew.usna.edu/~bruninga/astars.html
MIM/Mic-E/Mic-Lite  http://www.toad.net/~wclement/bruninga/mic-lite.html


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```

---

442. [aprssig] IRLP and APRS - Can we do cellular like service? I think so.

From: "Brian Webster" <radiowebst@yahoo.com>
Date: Wed, 16 Jan 2002 13:37:14 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: "IRLP" <irlp@lrlp.net>
Message-ID: <LYR842-57570-2002.01.16-13.03.07--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Well finally got around to looking at the IRLP repeater linking system after Bob Bruninga was throwing ideas out. Wow, what a linking system and listening to the audio feed on the internet I must say I am impressed with the quality! Those of you who haven't looked at this new mode yet check out www.irlp.net it is very informative.

That being said I got thinking about cellular like service for amateur service.

Being an engineer on a cellular project I have some background about the inner workings of the systems, here are some of my ideas to throw out for discussion.

- We could use APRS in conjunction with IRLP to give it some smarts. You could use APRS positions and create a server that has more GIS type functions. That is, create shape files/coverage areas on a map for each IRLP node/radio. Once this is completed a person running APRS could send a message to the APRS system such as ?IRLP this message would run a query of their lat/long against any coverage areas of known IRLP node/radios and if you are located within a coverage area it would send a response back with the frequency and PL tone if required. This could further be refined to be able to query for a specific band by using something like ?IRLP2 for 2 meters or ?IRLP4 for 440 band sites.

- The next problem would be knowing which radios were linked to the central reflectors or another node direct. That might get a little more difficult, read the IRLP pages and throw some suggestions out there.

- This type of system would allow all users of different flavors of APRS and radio combos to be able to work. I'm sure Bob would be able to figure out a way to make those Kenwood's do some whiz bang extra things but that would just be a plus for those who have them.

- The harder part of this is getting someone to write some software that acts as a server to keep the coverage plots of the IRLP nodes and has the smarts to run the individual position queries against that data. Not impossible but well over my head. Any programmers out there that can do this real easy?

-from a user perspective this could be fairly simple to run, I do think that the IRLP nodes should start adopting a different numbering system to plan for growth. I suggest using the local area code phone number system, then use the last four digits for multiple nodes in an area. This would also allow people without net access to check on nodes to be able to guess at a node for an area by just knowing the area code and phone exchange and then start with a number like 0001. Node numbers would then have an ID something like 2122250001 for NY city area (212)225-0001 being a local type phone number on the public phone system. This could probably work to bring up a group of nodes if required.

- The next logical step in this process would be to start going digital on the radio side of the house. This may not be as hard as we think. There are radios out there now that are designed to meet the APCO 25 standard. If we start using that digital standard we could buy radios off the shelf now. Not sure if the Part 97 rules allow this but should be easy enough to get changed since they are always pushing spectrum efficiency. Radios that meet this standard are also backward compatible to analog systems, so they can be dual role. If we have IRLP nodes that are digital they could be linked to old analog repeaters and this would allow for an orderly migration over time.

- For emergency communications this IRLP network could be a net controllers dream. Since the data stream is on the net it would be very easy to create a software based console and net control station that could bring up any node and with headset and mic talk to any one of them. This would obviously have to be restricted in some way but not impossible. Think of the possibility of being able to get on any repeater on the IRLP network from any broadband connection. You could incorporate additional features like linking of different sites, audio patching to other locations like FEMA or any other required places that have a computer with sound card and broad band connection. The internet is not the holy grail of communications solutions but since it does not have any one single point of failure it could work to complement our abilities. People who are not in an affected area could actually run nets and route voice traffic from their home. That taps a huge resource of people without having to make them travel.

-These are just my thoughts and are meant to get a serious discussion and possibly a start to this type of project. I know there are the people out there to make this a reality. Just takes some effort to get standards and groups together to work on each element.

-Let the discussion begin!

____

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443. [aprssig] Re: WinAPRS2.5.1 Objects and the TH-D7A(G)display

From: CDR Wade Blake <Wade.Blake@noaa.gov>
Date: Wed, 16 Jan 2002 13:53:41 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: TAPR APRS Special Interest Group <aprssig@lists.tapr.org>
Message-ID: <LYR842-57571-2002.01.16-13.23.49--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

These eroneous course/speed values appear both times when a value of 0 is entered for both, or when the "0" is deleted and made blank when entering the Object to be created. When a non-zero value for speed is entered, that seems to get formatted and passed in the outgoing packet (object 3). Entering a value for course 180, speed 0 for object 4, does not send out the course/speed fields, and the D7A(G) can't correctly interpret the packet for course/speed. See the 4 test objects' packets below.

So the question is, how does one indicate, from the WinAPRS-side, that the object is stationary, so the Kenwood handheld sees it that way? I presume the D-700 probably does the same thing?

```
>xmit To VHF>TEST     *161831z3850.61N/07714.46W/ test object
>xmit To VHF>TEST2    *161831z3851.00N/07715.00W/ test object 2
>xmit To VHF>TEST3    *161834z3852.00N/07716.00W/270/005 test object 3
>xmit To VHF>TEST4    *161844z3853.00N/07717.00W/ test object 4
```

Wade, N7LGK

Bob Bruninga wrote:

> On Wed, 16 Jan 2002, Wade Blake wrote:
>
> > I'm running WinAPRS 2.5.1. When I create stationary objects on WinAPRS
> > (zero speed and course/direction), and make them "active", they are
> > transmitted out. When the TH-D7A(G) receives these "objects", the name and
> > location are correct, but the "course" shows up as 519 degrees and "speed"
> > of 999m.
>
> THe CSE/SPD fields of an APRS position or object packet are shared fields
> and can be relaced with free text if the object or station is stationalry.
> But if you put numbers in the free field replacement, then the radio will
> still interpret them as CSE/SPD..
>
> de WB4APR@amsat.org, Bob
>
> PCsat WEB page   http://www.ew.usna.edu/~bruninga/pcsat.html
> ISS-APRS FAQ: http://www.ew.usna.edu/~bruninga/iss-faq.html
> CUBESAT Designs   http://www.ew.usna.edu/~bruninga/cubesat.html
> APRS LIVE pages   http://www.ew.usna.edu/~bruninga/aprs.html
> APRS SATELLITES   http://www.ew.usna.edu/~bruninga/astars.html
> MIM/Mic-E/Mic-Lite http://www.toad.net/~wclement/bruninga/mic-lite.html

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444. [aprssig] PCSat writeup

From: "Charles H. Rahe, II" <crahe@infi.net>
Date: Wed, 16 Jan 2002 14:04:25 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-57573-2002.01.16-13.35.01--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

```
http://dailynews.yahoo.com/h/space/20020116/sc/bargain_satellites_bringing_earth_orbit_access_to_the_pub
lic_1.html

Nice write up on Yahoo about PCSat & others. Congradulations to Bob &
the whole USNA team.
```

[Attachment: crahe.vcf; text/x-vcard; 232 bytes]

---

445. [aprssig] wx problem

From: "Glen Briggs (KB0RPJ) - aka wx" <wx@grundyec.net>
Date: Wed, 16 Jan 2002 13:38:16 -0600
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-57578-2002.01.16-14.08.12--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

```
the data shows up fine locally, but when i click on my own icon, i don't
have the option for weather data.. and my icon stays light blue.. ideas?
Thanks for your time,

Glen Briggs
IRC: wx  - DALnet & AustNET
E-Mail: wx@grundyec.net
ICQ: 1133850
http://www.qsl.net/kb0rpj/
KB0RPJ

---
who'd have known life could be so simple, yet so complex.
---



---
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---

446. [aprssig] Re: GPS data from PCsat

From: "Brian B. Riley \(N1BQ\) ListAcct" <n1bq_list@wulfden.org>
Date: Wed, 16 Jan 2002 14:45:25 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: "TAPR APRS SIG" <aprssig@lists.tapr.org>
Message-ID: <LYR842-57579-2002.01.16-14.15.21--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

```
Hasn't this problem been addressed before? Something about the number of
points being asked to be plotted? If you back off on the nunmber it works OK
in Explorer, I thinks its something about the overall length of the request
line or something ...

-----Original Message-----
From: bounce-aprssig-25883@lists.tapr.org
[mailto:bounce-aprssig-25883@lists.tapr.org]On Behalf Of Bob Bruninga
Sent: Monday, January 14, 2002 8:31 PM
To: TAPR APRS Special Interest Group
Cc: TAPR APRS Special Interest Group; amsat-bb@AMSAT.Org;
aprssig@tapr.org; ozaprs@marconi.ics.mq.edu.au
Subject: [aprssig] Re: GPS data from PCsat


On Mon, 14 Jan 2002, Matt Steinhoff wrote:

> > Where can we look to see who's gotten in? Findu?
>
>     http://www.findu.com/cgi-bin/pcsat.cgi

That is the same as the shortcut:  http://pcsat.aprs.org

But note. Microsoft Internet Explorer will not draw the maps.  But
NETSCAPE will...

de WB4APR@amsat.org, Bob

PCsat WEB  page     http://www.ew.usna.edu/~bruninga/pcsat.html
```

```
ISS-APRS FAQ:       http://www.ew.usna.edu/~bruninga/iss-faq.html
APRS SATELLITES     http://www.ew.usna.edu/~bruninga/astars.html
```

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447. [aprssig] Re: IRLP and APRS - Can we do cellular like service? I think so.

From: "Brian Webster" <radiowebst@yahoo.com>
Date: Wed, 16 Jan 2002 15:40:47 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-57583-2002.01.16-15.06.40--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

As far as APCO 25 radios are concerned, there are more than Motorola making them. Transcrypt/Johnson is one, I think uniden is and if we get enough interest the protocol is either published or available by license, I'm not sure which. It is a good path to look at for digital on air protocol though.

____

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448. [aprssig] D-700 Problem

From: "Tom Clarke" <fclarke@erols.com>
Date: Wed, 16 Jan 2002 15:43:42 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-57584-2002.01.16-15.13.57--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Recently my D700 has developed a quirk on UHF. At random times the transmitted audio is reported as very garbled, distorted and unreadable. It seems that this coincides with a dimming/flickering of the display backlighting.

I have checked the usual suspects of power and antenna connections. The problem exists irrespective of the power setting. Have tried two different antennas and the problem returned after a week or so on the new antenna, which is a Larsen mag mount 2-70.

I wonder if this might be a problem with loose fasteners in the various PC boards etc inside the beast? Seems like that has been a problem with various rigs in the past. I fixed my IC-22S years ago by tightening the PC board/shielding screws.

Maybe a couple of raps on the case the next time it goes flaky might narrow things down a bit! Anyone have the same experience or am I venturing into new territory here?

73 de Tom/W4OKW

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---

449. [aprssig] Re: D-700 Problem

From: "Steve Meinhardt" <steve@crystalauto.com>
Date: Wed, 16 Jan 2002 16:09:05 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-57587-2002.01.16-15.32.53--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

```
Tom,
  I have that problem only the receive side of things. Everyone tells me I'm fine but the "busy......"
flashes and it hard to understand people. I'm new to ham so I though maybe that was simply futter, maybe
 not.
-srm

---------- Original Message ----------------------------------
From: "Tom Clarke" <fclarke@erols.com>
Date:  Wed, 16 Jan 2002 15:43:42 -0500

>Recently my D700 has developed a quirk on UHF.  At random times the
>transmitted audio is reported as very garbled, distorted and unreadable.  It
>seems that this coincides with a dimming/flickering of the display
>backlighting.
>
>I have checked the usual suspects of power and antenna connections.  The
>problem exists irrespective of the power setting.  Have tried two different
>antennas and the problem returned after a week or so on the new antenna,
>which is a Larsen mag mount 2-70.
>
>I wonder if this might be a problem with loose fasteners in the various PC
>boards etc inside the beast?  Seems like that has been a problem with
>various rigs in the past.  I fixed my IC-22S years ago by tightening the PC
>board/shielding screws.
>
>Maybe a couple of raps on the case the next time it goes flaky might narrow
>things down a bit!  Anyone have the same experience or am I venturing into
>new territory here?
>
>73 de Tom/W4OKW
>
>
>---
>You are currently subscribed to aprssig as: steve@crystalauto.com
>To unsubscribe send a blank email to leave-aprssig-842K@lists.tapr.org
>Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org
>
>

--
Steven R. Meinhardt
Crystal Automation Systems, Inc.
http://www.crystalauto.com
Phone 989-831-8800 Fax 989-831-5555
--

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```

---

450. [aprssig] Springboard Slot for Visor to go away

From: "Sadowski, Allan" <allan.sadowski@ncshp.org>
Date: Wed, 16 Jan 2002 16:35:45 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-57590-2002.01.16-16.01.11--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

```
Appearantly Handspring (maker of the Palm clone with the springboard
slot)... has made the decision to drop the Handspring device in favor of
their Treo device... with the Springboard slot being left behind in the
process....

I seem to remember seeing a neat DSP based TNC mentioned here.... that used
the springboard slot.... I hope they can find a different niche for their
product...


www.palminfocenter.com
```

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---

451. [aprssig] APCO 25 digital radio standards web site, possible to adopt for amateur service?

From: "Brian Webster" <radiowebst@yahoo.com>
Date: Wed, 16 Jan 2002 18:02:44 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-57597-2002.01.16-17.28.46--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Here is a web site to read about the APCO 25 radio standards, it is supposed
to have an open standards so there doesn't have to be a sole provider for
equipment.

http://www.apcointl.org/project25/information.html

-----Original Message-----
From: Tony Langdon [mailto:tlangdon@atctraining.com.au]
Sent: Wednesday, January 16, 2002 5:44 PM
To: 'radiowebst@yahoo.com'
Subject: RE: [IRLP General] IRLP and APRS - Can we do cellular like
service? I think so.

> Well finally got around to looking at the IRLP repeater
> linking system after
> Bob Bruninga was throwing ideas out. Wow, what a linking system and
> listening to the audio feed on the internet I must say I am
> impressed with
> the quality! Those of you who haven't looked at this new mode
> yet check out
> www.irlp.net it is very informative.

Just quietly, I like your style! :) Nice to see some fresh ideas coming
around. Oh, and please tell more about this flavour of digital voice you
mentioned. :)

One day, IRLP like technology will grace our microwave bands, and large
parts of our network will be independent of the Internet... :)

____

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---

452. [aprssig] Re: GPS data from PCsat

From: WA8LMF2@aol.com
Date: Wed, 16 Jan 2002 22:30:58 EST
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: WB4APR@amsat.org
Message-ID: <LYR842-57647-2002.01.16-22.00.58--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

In a message dated 1/16/02 11:47:08 AM Pacific Standard Time,
n1bq_list@wulfden.org writes:

> >   http://www.findu.com/cgi-bin/pcsat.cgi
>
> That is the same as the shortcut: http://pcsat.aprs.org
>
> But note. Microsoft Internet Explorer will not draw the maps. But
> NETSCAPE will...

```
>

Just tested the page with the Opera 6.0 browser.  It works perfectly --
apparently the extremely long strings passed with the URL don't bother Opera
the way they do IE...


Stephen H. Smith                   wa8lmf @ aol.com
Home Page:
http://members.aol.com/wa8lmf
Ham Radio/Mobile SSTV page:     http://members.aol.com/wa8lmf/ham
APRS Stuff
http://members.aol.com/wa8lmf/aprs
------------------------------------------------------------------------------

----------
|    Radio Communications Systems       Personal Computers
|                Consulting and Systems Integration
|    GPS Custom Mapping    &     Radio Coverage Surveys
|    File Conversions       MS-Windows Setups       VISCII Fonts
------------------------------------------------------------------------------

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Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org
```

---

453. [aprssig] Re: Springboard Slot for Visor to go away

From: Mark Fellhauer <sparkfel@qwest.net>
Date: Wed, 16 Jan 2002 22:25:32 -0600
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-57651-2002.01.16-22.56.00--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

```
At 03:35 PM 1/16/02, Sadowski, Allan wrote:

>has made the decision to drop the Handspring device in favor of
>their Treo device... with the Springboard slot being left behind in the
>process....

It gets worse.  The Treo is a GSM Phone/PDA.  The base model costs (will
cost) $399 plus a monthly service charge ($40 to $50) not including an
ISP.  The base price is more if you don't order the service at the time of
purchase.   The upgrade model will be $600 plus a monthly service
charge.   Treo's will probably only go to Europe in the near future, since
GSM services are limited in North America.  Right now they can't even ship
a product.  There is no firm release date for the Treo.

Apparently the CEO of Handspring, Donna Dubinsky, is charting her company
into the same waters as so many other companies trying to make their money
in the "value added" market.  Unfortunately, these waters are reef and
shark infested.  And it's apparent the Handspring company will crash upon
those rocks.    Donna Dubinsky and Jeff Hawkins will survive as
multi-millionaires and get away in a fancy speedboat, while several hundred
Handspring employees will be left as shark-fodder.  They'll lose their
jobs, their pensions, their stock options, their health insurance...   Not
to mention other stockholders and the $50 million they scammed out of Qualcom

Who the heck is gonna pay $600 for a phone plus another $500 to $600 per
year for access fees?  Especially if you need another ISP to get the web
functions...   This looks like a deliberate attempt by the executives of a
company to bankrupt that company while stealing millions in "salaries" and
"bonuses" in the process.   Good work if you can get it.

I was really leaning towards buying a Visor, but now, I'm gonna get an iPaq
or something similar.

73,

Mark
KC7BXS


---
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```

454. [aprssig] Re: GPS data from PCsat

From: <gavingroce@yahoo.com>
Date: Thu, 17 Jan 2002 01:19:12 -0600
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: <WB4APR@amsat.org>
Message-ID: <LYR842-57672-2002.01.17-01.49.18--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

```
http://www.mozilla.org/start/
it works!

:)

-----Original Message-----
From: bounce-aprssig-27324@lists.tapr.org
[mailto:bounce-aprssig-27324@lists.tapr.org]On Behalf Of WA8LMF2@aol.com
Sent: Wednesday, January 16, 2002 9:31 PM
To: TAPR APRS Special Interest Group
Cc: WB4APR@amsat.org
Subject: [aprssig] Re: GPS data from PCsat


In a message dated 1/16/02 11:47:08 AM Pacific Standard Time,
n1bq_list@wulfden.org writes:

> >     http://www.findu.com/cgi-bin/pcsat.cgi
>
>  That is the same as the shortcut:  http://pcsat.aprs.org
>
>  But note. Microsoft Internet Explorer will not draw the maps.  But
>  NETSCAPE will...
>

Just tested the page with the Opera 6.0 browser.  It works perfectly --
apparently the extremely long strings passed with the URL don't bother Opera
the way they do IE...


Stephen H. Smith                   wa8lmf @ aol.com
Home Page:
http://members.aol.com/wa8lmf
Ham Radio/Mobile SSTV page:     http://members.aol.com/wa8lmf/ham
APRS Stuff
http://members.aol.com/wa8lmf/aprs
-----------------------------------------------------------------------------
--

----------
|    Radio Communications Systems       Personal Computers
|                Consulting and Systems Integration
|    GPS Custom Mapping    &     Radio Coverage Surveys
|    File Conversions       MS-Windows Setups       VISCII Fonts
-----------------------------------------------------------------------------
--

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```

455. [aprssig] Re: GPS data from PCsat

From: Jeff Brenton <jeffb@csrye.org>
Date: Thu, 17 Jan 2002 01:30:30 -0600
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: aprssig <aprssig@tapr.org>
Message-ID: <LYR842-57673-2002.01.17-02.01.48--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

gyc> http://www.mozilla.org/start/
gyc> it works!

gyc> :)

In this instance, it might, but there are a lot of things that Mozilla (and Netscape 6) does NOT work with, that Opera, NS 4.x and IE 4/5/6 do work with... I know, because I had to figure out WHY they didn't work!

All browsers have trade-offs.

--

Jeff Brenton KA9VNV
Questionable web page: http://dididahdahdidit.com

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456. [aprssig] Re: [IRLP General] IRLP and APRS - Can we do cellular like service? I think so.

From: James Ewen <jewen@shaw.ca>
Date: Thu, 17 Jan 2002 00:37:10 -0700
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-57674-2002.01.17-02.15.53--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

> For mobile-to-mobile calls, let's use the cellular model again. I can
> enter alphanumeric messages on my cell phone keypad. Why not lobby the
> manufactures to allow the same function on your ham radio key pad.

I can do that on my Kenwood D7, and D700 radios right now.

Where are the Yaesu, Icom, Alinco, and other manufacturer's designs?

Are they all waiting for APRS to die? It's not going to happen anytime soon.

I think all these manufacturers are missing the boat. Alinco has kind of gotten their toes wet with the TNC in a radio design, but they need to jump right in and get their hair wet too!

James
VE6SRV

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457. [aprssig] Re: IRLP and APRS - Can we do cellular like service? I think so.

From: James Ewen <jewen@shaw.ca>
Date: Thu, 17 Jan 2002 00:33:14 -0700
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-57675-2002.01.17-02.16.08--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

> - We could use APRS in conjunction with IRLP to give it some smarts. You
> could use APRS positions and create a server that has more GIS type
> functions. That is, create shape files/coverage areas on a map for each
IRLP
.
.
.
> the frequency and PL tone if required. This could further be refined to be
> able to query for a specific band by using something like ?IRLP2 for 2
> meters or ?IRLP4 for 440 band sites.

Bob has been hashing this over for a while now. It is possible to implement, but it will take quite a bit of time and effort.

As for figuring out coverage areas, good luck. It's hard enough getting approximate locations for the repeaters from the owners.

> - The next problem would be knowing which radios were linked to the central
> reflectors or another node direct. That might get a little more difficult,
> read the IRLP pages and throw some suggestions out there.

No problem at all, this is already done. See http://status.irlp.net

> I'm sure Bob would be able to figure out a
> way to make those Kenwood's do some whiz bang extra
> things but that would just be a plus for those who have them.

Bob spends a great deal of time figuring out work-arounds for the Kenwood radios. How about we tell Kenwood what we need, and they change things on their end!

> I do think that
> the IRLP nodes should start adopting a different numbering system to plan
> for growth.

David suggested back in October that a new number scheme was in the works, as we currently have room for only 1000 nodes.

> - For emergency communications this IRLP network could be a net controllers
> dream.

IRLP works great for ARES communications. Right after we installed the Edmonton node, it was used for emergency communications with a city 90 minute south of us. A train derailment caused an evacuation of a large number of residents. One of the main ARES coordinators was in Edmonton for a Flea Market. He was able to keep tabs on the evacuation via IRLP.

As you have seen in other responses, the impetus is to stay with radio to radio connections. Most EOCs should have radio systems in place, so adding an IRLP node to the local repeater would allow access. As a side benefit, the local amateurs have a toy to play with on the repeater during non-emergency times. Besides, what is an EOC needs to contact an operator in your local area? Having an internet only access point isn't going to help. IRLP nodes that are bi-directional give they best bang for your buck.

James
VE6SRV

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458. [aprssig] Re: [IRLP General] I'll try this again

From: James Ewen <jewen@shaw.ca>
Date: Thu, 17 Jan 2002 00:49:52 -0700
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-57676-2002.01.17-02.20.09--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

> It would be area code+1 digit number for the node you want to connect to+pound
> to bring up the node, and when you're done you would press area code+1 digit node
> number for that node+star to bring down that node.

I have suggested that we only require a single number assigned to each node. Currently we use a system like the one described above.

However, there is no need to go to the trouble of specifying which node is to be disconnected. IRLP only allows one-to-one connections. Even when a node is connected to a reflector, it is still only a one-to-one connection, except that the reflector is a special type of node that can handle mulitple connections at once.

We have to specify which node we want to bring up when initiating a connection, so that the computer knows who we want to connect to. However, once that connection has been made, there is no need to specify which connection needs to be broken.

I have a quick disconnect code programmed into the two nodes I look after, which will drop any connection.

For example, using the scheme described above:

1231# connects us to node number 1231.
Why do I need to specify 1231* to shut it off? I can't shut down a link to another node, since only one connection is allowed at a time.
If I punch in 1342*, IRLP currently will shut down the active connection.
Any valid off code will shut down the current connection. That's also why my quick disconnect code (73) also works.

If we move to 4 digit node id numbers, we can accomodate 10,000 nodes. 5 digits will give us 100,000 nodes. One single easy to remember code will shut down any one of them.

My 2 cents worth...

James
VE6SRV

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459. [aprssig] Re: Springboard Slot for Visor to go away

From: "Ev Tupis (W2EV)" <w2ev@arrl.net>
Date: Thu, 17 Jan 2002 06:52:34 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-57683-2002.01.17-06.22.40--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

> Who the heck is gonna pay $600 for a phone plus another $500 to $600 per
> year for access fees? Especially if you need another ISP to get the web
> functions...   This looks like a deliberate attempt by the executives of a
> company to bankrupt that company while stealing millions in "salaries" and
> "bonuses" in the process.   Good work if you can get it.

http://www.kyocera-wireless.com/kysmart/kysmart_series.htm

The market is there. I buy 'em for my staff. A phone/palm combo does wonders to remove a geek's "belt-weight" <g> while providing an additional level of connectivity for them that I've found increases personal productivity well beyond the cost of the unit. ISP costs are $9/month for me...and invoking it allows a function called "sync-via-web" in which one no longer needs to hot-sync using the shoe...for that truly unteathered experience.

Ev, W2EV

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460. [aprssig] Re: How PCsat looks on the D7 HT

From: Bob Bruninga <bruninga@usna.edu>
Date: Thu, 17 Jan 2002 09:01:08 -0500 (EST)
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: TAPR APRS Special Interest Group <aprssig@tapr.org>
Message-ID: <LYR842-57687-2002.01.17-08.31.17--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Regarding seeing PCsats live moving position on your APRS HT:

```
> 5th screen:
>  +------------+
>  | 1:PCSAT-1  |
>  |alt 802206M |  <== PCsat at 802,206 meters (802 km)
>  |cse--- s---m|
>  +------------+
```

I forgot to mention that to see the live satellite altitude on your HT
display, you need to have "units" set to Metric. Other wise it will show
999999 feet because 2,646,600 feet wont fit...

de WB4APR@amsat.org, Bob

PCsat WEB page   http://www.ew.usna.edu/~bruninga/pcsat.html
ISS-APRS FAQ: http://www.ew.usna.edu/~bruninga/iss-faq.html
CUBESAT Designs   http://www.ew.usna.edu/~bruninga/cubesat.html
APRS LIVE pages   http://www.ew.usna.edu/~bruninga/aprs.html
APRS SATELLITES   http://www.ew.usna.edu/~bruninga/astars.html
MIM/Mic-E/Mic-Lite http://www.toad.net/~wclement/bruninga/mic-lite.html

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461. [aprssig] Re: APRS Message from ZL2VAL-10

From: Bob Bruninga <bruninga@usna.edu>
Date: Thu, 17 Jan 2002 09:02:50 -0500 (EST)
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-57688-2002.01.17-08.32.53--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Got an Email from ZL2VAL.
Donno how to get back to him, but it worked!
bob

On 17 Jan 2002 alias@rci.rutgers.edu wrote:

>
> Hi Bob, tryin thru local network..
>
> --------------------------
> Message received by MacAPRS IGate station WU2Z
> Located in NO BRUNSWICK, NJ
> APRS path = ZL2VAL-10>APU16M,ZL2TE,OTO*,ZL1AMW-14,I
>

de WB4APR@amsat.org, Bob

PCsat WEB page   http://www.ew.usna.edu/~bruninga/pcsat.html
ISS-APRS FAQ: http://www.ew.usna.edu/~bruninga/iss-faq.html
CUBESAT Designs   http://www.ew.usna.edu/~bruninga/cubesat.html
APRS LIVE pages   http://www.ew.usna.edu/~bruninga/aprs.html
APRS SATELLITES   http://www.ew.usna.edu/~bruninga/astars.html
MIM/Mic-E/Mic-Lite http://www.toad.net/~wclement/bruninga/mic-lite.html

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462. [aprssig] Re: WinAPRS2.5.1 Objects and the TH-D7A(G)display

From: CDR Wade Blake <Wade.Blake@noaa.gov>
Date: Thu, 17 Jan 2002 09:03:38 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: TAPR APRS Special Interest Group <aprssig@lists.tapr.org>
Message-ID: <LYR842-57689-2002.01.17-08.36.10--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Unfortunately, on the TH-D7g, ALL the objects appear to have a course and speed
associated with them.
"TEST", "TEST2", AND "TEST4" are on course "519 degrees" at 999 mph. "TEST3", shows
up correctly as on course 270 at 5 mph.

In the examples, what are the "first 7 bytes"? Are they the items after the
longitude?

It appears that the D7AG doesn't know what to do if there is no   /ccc/sss items
after the longitude, where ccc is the course and sss is the speed. It seems that if
WinAPRS places zeros in those items, all should work fine, such as
".../07714.46W/000/000 test object". But there does not seem to be a way to get
WinAPRS to put those in there. It was probably done that way to reduce transmission
time. WinAPRS seems to understand that when those fields are nonexistant, the object
is stationary, whereas the Kenwood looks for and calculates a course/speed, even

though it's not there.

It seems the "fix" would be for WinAPRS to put the "zeros" in for speed and something like 000 for course.

Thanks for your assistance. Any other thoughts from anyone?

73, Wade N7LGK

Bob Bruninga wrote:

```
> On Wed, 16 Jan 2002, CDR Wade Blake wrote:
>
> > >xmit To VHF>TEST     *161831z3850.61N/07714.46W/ test object
> > >xmit To VHF>TEST2    *161831z3851.00N/07715.00W/ test object 2
> > >xmit To VHF>TEST3    *161834z3852.00N/07716.00W/270/005 test object 3
> > >xmit To VHF>TEST4    *161844z3853.00N/07717.00W/ test object 4
>
> Objects 1,2, and 4 should be stationary as long as you dont put any think
> in those first 7 bytes that might look like a number.....  "test" is not
> a number, so it should b eOK...
>
> bob
> > > Wade, N7LGK
> >
> >
> >
> > Bob Bruninga wrote:
> >
> > > On Wed, 16 Jan 2002, Wade Blake wrote:
> > >
> > > > I'm running WinAPRS 2.5.1.  When I create stationary objects on WinAPRS
> > > > (zero speed and course/direction), and make them "active", they are
> > > > transmitted out.  When the TH-D7A(G) receives these "objects", the name and
> > > > location are correct, but the "course" shows up as 519 degrees and "speed"
> > > > of 999m.
> > >
> > > THe CSE/SPD fields of an APRS position or object packet are shared fields
> > > and can be relaced with free text if the object or station is stationalry.
> > > But if you put numbers in the free field replacement, then the radio will
> > > still interpret them as CSE/SPD..
> > >
> > > de WB4APR@amsat.org, Bob
```

...

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463. [aprssig] APRS Email messages

From: Bob Bruninga <bruninga@usna.edu>
Date: Thu, 17 Jan 2002 09:17:33 -0500 (EST)
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: TAPR APRS Special Interest Group <aprssig@tapr.org>
Message-ID: <LYR842-57690-2002.01.17-08.47.46--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

For anyone who has not received an Email originated on RF by someone with APRS, here is what it looks like to the Email recepient. If it came via PCsat, or ISS, then PCSAT-1* or NOCALL* would be in the path at the bottom.

```
+-----------------------------------------------------+
|Date: 17 Jan 2002 05:04:49 -0000                      |
|From: alias@rci.rutgers.edu                           |
|To: bruninga@usna.edu                                 |
|Subject: APRS Message from ZL2VAL-10                  |
|                                                      |
|Hi Bob, tryin thru local network..                    |
| ---------------------------------------------------- |
|Message received by MacAPRS IGate station WU2Z        |
|Located in NO BRUNSWICK, NJ                           |
|APRS path = ZL2VAL-10>APU16M,ZL2TE,OTO*,ZL1AMW-14,I |
+-----------------------------------------------------+
```

I added the box around it for clarity.

de WB4APR, Bob

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464. [aprssig] Digi List

From: <gavingroce@yahoo.com>
Date: Thu, 17 Jan 2002 08:53:32 -0600
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-57694-2002.01.17-09.23.27--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Is there any list of current digi's in Tennessee?
Just wanting to know who is around me, or at least whois in the area that i
travel.

____

Do You Yahoo!?

Get your free @yahoo.com address at http://mail.yahoo.com

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465. [aprssig] PCsat status and operations.

From: Bob Bruninga <bruninga@usna.edu>
Date: Thu, 17 Jan 2002 10:09:05 -0500 (EST)
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-57696-2002.01.17-09.39.01--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

PCsat Status and planning:

* On 16 Jan at 2220z PCsat RESET and turned off the GPS.
* We will turn GPS back on at 1945z 17 jan and try to keep it ON through
Sunday at about 2000z. After that, it wont be back on again for months...

I discovered it had reset this morning when I got to work. At first I
thought it was due to low power, but now realize I was so complacent just
monitoring the previous 58 hours of continuous GPS up-time, that I forgot
to send up the commands to clear the 72 hour watch dog timer. Duh...

We will be back into eclipses starting on Tuesday or so, but sun angle
is hopefully improving and if we make it throught the 35% eclipses in Feb
we may make it to the next 2-week full sun period in Mid June.

We hope to support digipeating at all times except when telemetry shows
11111111 or when notified via bulletins of a power crunch...

de WB4APR@amsat.org, Bob

```
PCsat WEB  page     http://www.ew.usna.edu/~bruninga/pcsat.html
ISS-APRS FAQ:       http://www.ew.usna.edu/~bruninga/iss-faq.html
CUBESAT Designs     http://www.ew.usna.edu/~bruninga/cubesat.html
APRS LIVE pages     http://www.ew.usna.edu/~bruninga/aprs.html
APRS SATELLITES     http://www.ew.usna.edu/~bruninga/astars.html
```

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466. [aprssig] Visor Cable

From: "Darrell Sutton" <kf4hjw@home.com>
Date: Thu, 17 Jan 2002 11:44:16 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-57708-2002.01.17-11.14.25--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

```
I just found this cable for the Visor which has a serial end. I believe
others were looking for something like it. I will be ordering today. If you
would like a update let me know offline <kf4hjw@arrl.net>
73's

http://www.cablestogo.com/product.asp?cat%5Fid=2103&sku=27108


---
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```

---

467. [aprssig] Re: Digi List

From: Jeff Brenton KA9VNV <jeffb@csrye.org>
Date: Thu, 17 Jan 2002 10:52:07 -0600
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: aprssig@tapr.org
Message-ID: <LYR842-57709-2002.01.17-11.24.15--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

```
gyc> Is there any list of current digi's in Tennessee?
gyc> Just wanting to know who is around me, or at least whois in the area that i
gyc> travel.

The current list of REPORTED digipeaters world-wide is on the
Questionable web page, http://dididahdahdidit.com , in both APRS "POS"
and WinAPRS/Xastir-optimized "LOG" format.

--
Best regards,
 Jeff                           mailto:jeffb@csrye.org


---
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```

---

468. [aprssig] RE: [IRLP General] Numbering system and selctive calling an individual

From: "Brian Webster" <radiowebst@yahoo.com>
Date: Thu, 17 Jan 2002 12:11:53 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-57710-2002.01.17-11.38.43--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

```
Takes Bob's idea of left justification a little farther and the desire to do
selective call of an individual. There has been mention of sending an
individual PL tone to call a person and allow them to keep the radio muted.
>From the repeater aspect that is very difficult, DTMF signalling is not that
hard however. I also think that there are quite a few radios that are
capable of DTMF selective calling. The harder part is just getting some
repeaters to pass through the DTMF strings, many are configured not to pass
it, easy fix for most I believe.

So if you have the option digits set to be slective call then you could have
your radio muted until someone wnats just you, this would also allow for
group calls as well. Good for skywarn and the like. The IRLP equipment and
software might need a little programming but that should be possible to I
would think.

-----Original Message-----
From: irlp-admin@irlp.net [mailto:irlp-admin@irlp.net]On Behalf Of Bob
Bruninga
Sent: Thursday, January 17, 2002 9:36 AM
To: morris@cogent.net
Cc: wd8oep@yahoo.com; irlp@irlp.net
Subject: Re: [IRLP General] I'll try this again


For my two cents, I asked that future node numbers be left justified and
that provision be made for any additional right digits to be passed along
```

to the distant node for local use. Thus we allow for future scalability.

For example, if I send 435 I would get node #435.
If I send 4356 I wouild get Node #435 and "option 6" at that node
If I send 435678 I would get Node #435 and "678" are passed along for
   local use at node #435. Specifically, I would use the "678" for
   activating a local PL to an end user or something like that...
   But that is a local option at that node...

Thus, to transition to 4 digits from the current 3, I would suggest that
the current node #435 would become #4350

Thus it could respond to both #435 and #4350 now because both are passed
to node #435. Thus the first element of IRLP software upgrade would have
all the nodes accept the LEFT most 3 digits and the 4th (and capture any
trailing ones as well)...

Once all that is in place, then the next round of software upgrades
Transmits the four digits (and all extra digits) for this future
expandability.... but other neat ideas can be overlayed later withut
requring everyone to get new code, because the extra digits are passed
along already...

de WB4APR, Bob

____

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---

469. [aprssig] Re: Visor Cable

From: "Curt Mills, WE7U" <hacker@tc.fluke.com>
Date: Thu, 17 Jan 2002 09:25:19 -0800 (PST)
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: TAPR APRS Special Interest Group <aprssig@lists.tapr.org>
Message-ID: <LYR842-57712-2002.01.17-11.55.16--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

On Thu, 17 Jan 2002, Darrell Sutton wrote:

> I just found this cable for the Visor which has a serial end. I believe
> others were looking for something like it. I will be ordering today. If you
> would like a update let me know offline <kf4hjw@arrl.net>
> 73's
>
> http://www.cablestogo.com/product.asp?cat%5Fid=2103&sku=27108

markspace.com is another source.

Curt Mills, WE7U   hacker.NO_*SPAM@tc.fluke.com
Senior Methods Engineer/SysAdmin
"Lotto: A tax on people who are bad at math." -- unknown
"Windows: Microsoft's tax on computer illiterates." -- WE7U

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---

470. [aprssig] Re: Digi List

From: "Clark A. Lowry N7AAC" <clark@wd.org>
Date: Thu, 17 Jan 2002 10:32:53 -0700
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-57713-2002.01.17-12.03.06--lyris.aprssig#tapr.org@lists.tapr.org>

Rendered body type: text/plain

```
>Is there any list of current digi's in Tennessee?
>Just wanting to know who is around me, or at least whois in the area that i
>travel.

This brings up a point that may have been discussed here, But I don't
remember the final outcome.

When you do an I-gate query on VHF in this area (PHX) the I-gate
dumps everything it sees as an I-gate to VHF, including all of those
on TCP-IP. This is not only unusable, but also destructive. It floods
every digi in range with a solid stream of packets and the resulting
chaos denies service to the whole APRS frequency for up to 20 minutes.

There have also been instances where a station has done this more than once.
The first time may be an accident. After that, it is deliberate
interference. We need to be able to stop this. I hope that this
message doesn't give any pranksters ideas, but we do have an Achilles
heel in APRS.

Are the software authors working on this problem? It seems to me that
a mobile should be able to do a simple query to see if he is reaching
an I-gate without bringing the whole local part of the system down.

73 de N7AAC

---
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471. [aprssig] Re: Digi List

From: Maiko Langelaar <maiko@slmsoft.com>
Date: Thu, 17 Jan 2002 12:09:02 -0600
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-57718-2002.01.17-12.28.05--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

```
Hi Clark,

> When you do an I-gate query on VHF in this area (PHX) the I-gate
> dumps everything [snip] also destructive. It floods [snip] chaos
> denies service to the whole APRS frequency for up to 20 minutes.

Are you referring to the GENERAL '?IGATE' query ?

Maiko / VE4KLM

---
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```

---

472. [aprssig] Re: Springboard Slot for Visor to go away

From: "W1SAR" <w1sar@searcher.org>
Date: Thu, 17 Jan 2002 10:12:06 -0800
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-57719-2002.01.17-12.42.03--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

```
Mark wrote:

> Who the heck is gonna pay $600 for a phone plus another $500 to $600 per
> year for access fees?  Especially if you need another ISP to get the web
> functions...   This looks like a deliberate attempt by the
> executives of a
> company to bankrupt that company while stealing millions in
> "salaries" and
> "bonuses" in the process.   Good work if you can get it.

This list is primarily a 'hobby' list - there are many more commercial users
who demand a different standard of product out there.

In Aug '96, I was using a Nokia 9000 GSM cell phone in Europe that opened to
reveal a 386 (I think) PC.  It was a unique product that I used in a
commercial environment for a telecommunications security function.  I was
one of the first owners in the country.  My MONTHLY cell phone costs were
far more that your estimated ANNUAL cost for this product - the purchase
```

price was insignificant in relation to the fact that I could save 10 times
the annual costs by early alert and response to a single fraud incident. At
that time, it was an excellent technical solution to a commercial challenge.

Sure, a free phone and $20 monthly service is all that many users need - but
there is a market for other products and services. A few years ago, some
here might have been saying 'who the heck is gonna pay $xxx for an HT with
TNC' - now it is being suggested here that manufacturers are failing by not
providing these technologies.

"Who the heck...."??? Me for one - if the costs are justified! If YOU
don't want it - don't buy it - but don't knock those that do~! It's not
nice! Certainly the cause of product development is not promoted by
unfounded (and possible actionable) allegations of theft.

Drew Witham W1SAR
Shasta County Emergency Coordinator
ARES / RACES / CDF-VIP

http://www.scares.org

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473. [aprssig] Re: Springboard Slot for Visor to go away

From: Mark Fellhauer <sparkfel@qwest.net>
Date: Thu, 17 Jan 2002 12:12:20 -0600
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-57721-2002.01.17-12.43.11--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

At 05:52 AM 1/17/02, Ev Tupis (W2EV) wrote:

>The market is there. I buy 'em for my staff.

It's great for certain niche markets, but the user base and service areas
are too small, the number of competing formats is too large. I had a Casio
IP800 6 to 7 years ago and loved the thing, but I could not get clients and
co-workers to text page me, even upon request. And I made it easy by
writing a little script in my shell ISP account that looked for a key word
in the email subject line and then forwarded it on to my pager - so they
didn't have to go to PageMart's web site and remember my pager ID.

If you are waiting for the TREO, it is a this point vaporware, with no firm
rollout date. And all initial production is slated to go to Europe.

In the case of Nextel which I mentioned, iDen has been a failure in the
general populace. I have never seen an average Joe Public walking around
with an iDen phone, the only people carrying them are tradesman and truck
drivers. And the people I know who have them say the only reason that they
have the iDen phones is because Nextel took away their trunked HT's and
FORCED them to go iDen. My brother works for a company that uses iDen
service, but he leaves the phone in his car on sales calls because their
installers like to call him with the Walkie-Talkie function and use
"colorful" language. And as I pointed out Nextel would've bankrupted
itself if it hadn't hitched its wagon to Motorola.

Also look to satellite radio, despite high initial purchases and 30,000
people pre-signed for the service, XM radio still requires something like a
subscriber base of 2.4 million paying accounts to break even. Does anyone
honestly think that will happen? And what happens when and if Sirius
comes on line? It's going to pull subscribers away from XM and make it all
that much harder to succeed.

Mark

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---

474. [aprssig] Re: Digi List

From: "Clark A. Lowry N7AAC" <clark@wd.org>
Date: Thu, 17 Jan 2002 11:30:04 -0700
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: APRS Special Intrest Group <aprssig@lists.tapr.org>
Message-ID: <LYR842-57722-2002.01.17-13.00.18--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

```
YES. I have talked to Ron Riggs KB7UKL who operates the AHUB-Central
I-gate in Mesa and he says that yes, that's the case and he doesn't
know how to change/fix it. Bummer.

>Hi Clark,
>
>>  When you do an I-gate query on VHF in this area (PHX) the I-gate
>>  dumps everything [snip] also destructive. It floods [snip] chaos
>>  denies service to the whole APRS frequency for up to 20 minutes.
>
>Are you referring to the GENERAL '?IGATE' query ?
>
>Maiko / VE4KLM
>
>---
>You are currently subscribed to aprssig as: clark@wd.org
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```

---

475. [aprssig] Re: Digi List

From: Bill Diaz <billdiaz@megsinet.net>
Date: Thu, 17 Jan 2002 13:35:14 -0600
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-57732-2002.01.17-14.05.18--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

```
Clark,
  See below.

On Thursday, January 17, 2002 11:33, Clark A. Lowry N7AAC [SMTP:clark@wd.org] wrote:
SNIP

> When you do an I-gate query on VHF in this area (PHX) the I-gate
> dumps everything it sees as an I-gate to VHF, including all of those
> on TCP-IP. This is not only unusable, but also destructive. It floods
> every digi in range with a solid stream of packets and the resulting
> chaos denies service to the whole APRS frequency for up to 20 minutes.

> There have also been instances where a station has done this more than once.
> The first time may be an accident. After that, it is deliberate
> interference. We need to be able to stop this. I hope that this
> message doesn't give any pranksters ideas, but we do have an Achilles
> heel in APRS.

> Are the software authors working on this problem? It seems to me that
> a mobile should be able to do a simple query to see if he is reaching
> an I-gate without bringing the whole local part of the system down.

The results of an APRS IGATE query should either comply with the APRS
spec. or be supressed IMO.

Unfortunately, some IGATEs, Hubs and Servers respond with overly long
messages which often violate the spec.  Some sysops seem to delight in
constructing these huge SPAM messages.

Presently, repeated queries from a mobile will not only SPAM the local
RF channel until it is unusable, it can clog the APRS IS as well.

IMO, an APRS IGATE query from a mobile should result in APRS query
responses from IGATEs heard direct, or within several hops.  Responses
received by a mobile along Interstate 80 from an IGATE or Hub in Budapest,
Hungary provides no useful information to the user initiating the query.

IGATES have the ultimate responsibilty for determining what is gated to
the local RF channel.  It would be nice if all IGATES had the ability to
supress the transmission of these IGATE queries from mobiles to the
Internet.  This would eliminate the problem entirely if implemented at
```

all IGATES. Unfortunately, even if every author provided this capability, it would be years before legacy applications without these features disappeared from the network.

IMO, IGATE queres that originate from a station connected to the Internet should result in responses from all IGATES connected to the Internet, but under no circumstances should these be gated to RF.

Bill KC9XG

> 73 de N7AAC

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---

476. [aprssig] Re: Digi List

From: Jeff King <jeff@aerodata.net>
Date: Thu, 17 Jan 2002 14:51:34 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-57733-2002.01.17-14.21.10--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

It was written:

> The results of an APRS IGATE query should either comply with the APRS
> spec. or be supressed IMO.

And what is the point of a spec unless there is compliance? Agree

> Unfortunately, some IGATEs, Hubs and Servers respond with overly long
> messages which often violate the spec. Some sysops seem to delight in
> constructing these huge SPAM messages.

I do not think it is fair to place the blame on the users/sysops. That is a resource that cannot be controlled and the default assumption is if they can do it, they will do it, regardless of the consequences on the system as a whole.

None-the-less, a mechanism is needed, and to be effective, that mechanism needs to be a choke point. Trying to individually enforce the spec on 600,000 hams across the U.S. and x,xxx,xxx? worldwide is like trying to herd that many cats. So, the only alternative is for the APRS-WG to actually do what they say they were going to do and introduce a certification process for the authors/programs. Telling the authors what to do is also like herding cats, but at least you have a chance, and frankly the term "APRS Certified" would seem to me to be a valuable trademark any author would want on their program.

Unfortunately, this would require the people on the WG to grow a set, as it might be a unpopular move for some (you get scratched herding cats), yet clearly it is the only means and in any case, was a promised action of the WG some years back.

And before the naysayers come out and say someone outside the WG needs to write a spec for them to look at, this really is not required and is just more delay tactics. Yes, it would be nice to have a compliance test suite, but this is not required to assign the "APRS Certified" logo. By default, this could be assigned to every existing program, and when problems are found, as in this example, the author could be contacted to fix the problem else the "APRS Certified" logo would be revoked. Carrot and Stick worked for Teddy Roosevelt and it could work for the APRS-WG. You just have to have a set here.

-Jeff

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477. [aprssig] Re: Digi List

From: "Dick Stanich" <dick@kb7zva.com>
Date: Thu, 17 Jan 2002 13:52:6

To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-57734-2002.01.17-14.22.05--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Hi Clark,

Just for info. all aprsd Igates respond to the query. However, the Ahub servers don't. They merely pass what they hear, and it never goes RF unless a local asks for it. As an Ahub sysop, I monitor that sort of stuff and track who abuse it. If it happens too many times... it's not an accident... agreed. I have never had to xlist anyone in my region, but I wouldn't hesitate. It would be unfair and cruel to put anyone thru that process. Xlist means being removed from Igates and digis. Hope it never comes to that.

Dick, KB7ZVA
AHubWest

http://kb7zva.com

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478. [aprssig] Kenwood TM-D700 PC software

From: "Gregory Beat" <gregory.beat@attbi.com>
Date: Thu, 17 Jan 2002 13:56:43 -0600
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-57735-2002.01.17-14.28.19--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

I see Kenwood has released a new version of the D700 PC software (works with W2K and XP) ......

however I have only be able to read the radios settings with this new version. Get a connection timeout error with trying to write changes back to the D700.

Seems like I am always "beta" testing these software packages using the COM ports !!

Greg
w9gb

----- Original Message -----
From: "Craig Brunson" <Brunson1@gte.net>
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Sent: Wednesday, January 16, 2002 8:17 AM
Subject: [aprssig] Re: Kenwood TM-D700

> Doug-
>
> The MCP-D700 program works when the D700 is in normal mode. You cannot
have
> the D700 in APRS mode & get ANYTHING from the DE-9 connector. If you are
> wanting digital data on the DE-9 connector, it must be in packet mode .
We
> have complained to Kenwood about this for 2 years, but they have a deaf
ear.
>
> good luck - 73
> Craig
> N7TSZ
>
> ----- Original Message -----
> From: "Doug Henry" <dhenry@skyweb.ca>
> To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
> Sent: Tuesday, January 15, 2002 8:52 PM
> Subject: [aprssig] Kenwood TM-D700
>
>
> > I'm looking for some tips to get the Kenwood MCP-D700 software to work
> with
> > my new TM-D700. I'm using a DB-9 null modem cable between the radio and
> > computer. I'm connected to Com1 with the following parameters:
> > Bits per Second: 9600 (I've tried the other transfer rate options too)
> > Data Bits: 8
> > Parity: None

```
> > Stop Bits: 1
> > Flow Control: Xon/Xoff (I've tried Hardware and None too)
> >
> > The radio is setup as TNC APRS on Band A with VHF/UHF Ops on Band B.
When
> I
> > try to read data from the radio I get a window that says Reading Data
from
> > Radio but before anything happens it is replaced by a Communications
> Timeout
> > Error message.
> >
> > Tnx Doug
> > VE4TG
>
>
>
> ---
> You are currently subscribed to aprssig as: gregory.beat@attbi.com
> To unsubscribe send a blank email to leave-aprssig-842K@lists.tapr.org
> Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org
>


---
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```

479. [aprssig] Re: Digi List

From: Bill Vodall - WA7NWP <wa7nwp@yahoo.com>
Date: Thu, 17 Jan 2002 11:56:21 -0800
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-57737-2002.01.17-14.28.48--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

```
>> Are the software authors working on this problem? It seems to me that
>> a mobile should be able to do a simple query to see if he is reaching
>> an I-gate without bringing the whole local part of the system down.
>
>
>IGATES have the ultimate responsibilty for determining what is gated to
>the local RF channel.  It would be nice if all IGATES had the ability to
>supress the transmission of these IGATE queries from mobiles to the
>Internet.

A patch for aprsd to fix this was supplied by (I think) the folks in Wyoming.
I don't know if has made it in to the cvs code at source forge.

I've lost (aka mis-filed) the patch and would appreciate a reposting.

73
Bill - WA7NWP


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```

480. [aprssig] TM-D700 + external TNC

From: "Wolf Hoeller" <wolf.hoeller@gmx.net>
Date: Thu, 17 Jan 2002 21:01:36 +0100
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-57738-2002.01.17-14.30.34--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

```
Hi All!

I intend to connect an external TNC2 to my TM-D700. But in the manual I
cannot find a note about the pin which is the input line for PTT! Which pin
can I connect to the ptt-output from tnc2?

de Wolf, oe7ftj



---
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```

```
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Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org
```

---

481. [aprssig] Re: Digi List

```
From: "Clark A. Lowry N7AAC" <N7AAC@aztenx.org>
Date: Thu, 17 Jan 2002 13:28:45 -0700
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-57741-2002.01.17-14.59.02--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain
```

```
>
>Just for info. all aprsd Igates respond to the query. However, the Ahub
>servers don't. They merely pass what they hear, and it never goes RF unless
>a local asks for it. As an Ahub sysop, I monitor that sort of stuff and
>track who abuse it. If it happens too many times... it's not an accident...
>agreed. I have never had to xlist anyone in my region, but I wouldn't
>hesitate. It would be unfair and cruel to put anyone thru that process.
>Xlist means being removed from Igates and digis. Hope it never comes to
>that.
>
>Dick, KB7ZVA
>AHubWest
>
>http://kb7zva.com
>

That doesn't change the fact, that in this situation, the IGATE query
is not only useless, it is dangerous. RF APRS stations need to be
able to do a query and find out who's out there. It is the Gateway
that needs to filter out the I-gates heard on TCP/IP and respond on
RF with only it's own call. We can't just shrug this off and advise
people not to query for IGATEs.

N7AAC

---
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```

---

482. [aprssig] Re: TM-D700 + external TNC

```
From: "Wes Johnston" <kd4rdb@netzero.com>
Date: Thu, 17 Jan 2002 15:29:20 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: "aprs" <aprssig@tapr.org>
Message-ID: <LYR842-57742-2002.01.17-15.01.26--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain
```

```
I think they call it "standby" instead of PTT.  It's pin 3 on the 6 pin
mini-din.

Wes
----- Original Message -----
From: "Wolf Hoeller" <wolf.hoeller@gmx.net>
> I intend to connect an external TNC2 to my TM-D700. But in the manual I
> cannot find a note about the pin which is the input line for PTT! Which
pin
> can I connect to the ptt-output from tnc2?
>
> de Wolf, oe7ftj



---
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```

---

483. [aprssig] Re: TM-D700 + external TNC

```
From: Robbie Robertson <mwrobertson@attbi.com>
Date: Thu, 17 Jan 2002 14:33:15 -0600
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: TAPR APRS Special Interest Group <aprssig@lists.tapr.org>
Message-ID: <LYR842-57743-2002.01.17-15.03.15--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain
```

```
Hi Wolf,
You have my curiosity as to why an external tnc2 is going to be
used! But on page 8 of your manual is a pin layout for the D700
microphone.. No numbers for the pins, but it is plain which is
what..  Good luck es 73

Robbie

Wolf Hoeller wrote:
>
> Hi All!
>
> I intend to connect an external TNC2 to my TM-D700. But in the manual I
> cannot find a note about the pin which is the input line for PTT! Which pin
> can I connect to the ptt-output from tnc2?
>
> de Wolf, oe7ftj
>
> ---
> You are currently subscribed to aprssig as: mwrobertson@attbi.com
> To unsubscribe send a blank email to leave-aprssig-842K@lists.tapr.org
> Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

--

- Robbie Robertson -
...-.- wa9inf ...-.-

---
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```

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484. [aprssig] Re: Digi List

From: Maiko Langelaar <maiko@slmsoft.com>
Date: Thu, 17 Jan 2002 14:56:05 -0600
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-57745-2002.01.17-15.15.12--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

```
"Clark A. Lowry N7AAC" wrote:

> RF APRS stations need to be able to do a query and find out who's out there.

For sure.

> It is the Gateway that needs to filter out the I-gates heard on TCP/IP and
> respond on RF with only it's own call.

Why would an ?IGATE query even be passed to the APRS internet system to begin
with ? Is that the way it was originally envisioned *back then* ? Shouldn't the
IGATE itself just deal with the query on it's own, and not even pass it on to
the APRS internet system ?

73 Maiko / VE4KLM

---
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```

---

485. [aprssig] PCcsat spin rate

From: Bob Bruninga <bruninga@usna.edu>
Date: Thu, 17 Jan 2002 15:47:18 -0500 (EST)
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-57746-2002.01.17-15.17.24--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

```
PCsat is spinning counterclockwise if you are looking up towards the
bottom in the northern hemisphere once about every 102 seconds with a
slight wobble.  (Like a top spinning but with a slow wobble)  The wobble
is on the order of 5 minutes or more...

This doesnt tell you much, because PCsat has cross polarized antennas and
you will always see at least one, but since we finally took some time
yesterday to measure it, I thought I would pass it along...

We bumped the telemetry rate on both the A and B sides up to once every 10
seconds (instead of once a minute) and captured as many packets as we
could with 4 receivers, one each 12 and 9600 baud on 145.825 and one each
```

on 144.39. Then spent hours making sense out of it all...

We *think* it had a period of about 4 minutes back in the first week of
launch (11 Oct) so it has either speeded up, or the students analysis
back then was in error...

de WB4APR@amsat.org, Bob

```
PCsat WEB  page     http://www.ew.usna.edu/~bruninga/pcsat.html
ISS-APRS FAQ:       http://www.ew.usna.edu/~bruninga/iss-faq.html
CUBESAT Designs     http://www.ew.usna.edu/~bruninga/cubesat.html
APRS LIVE pages     http://www.ew.usna.edu/~bruninga/aprs.html
APRS SATELLITES     http://www.ew.usna.edu/~bruninga/astars.html
MIM/Mic-E/Mic-Lite  http://www.toad.net/~wclement/bruninga/mic-lite.html
```

---
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---

486. [aprssig] Re: TM-D700 + external TNC

From: WA8LMF2@aol.com
Date: Thu, 17 Jan 2002 15:55:55 EST
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-57750-2002.01.17-15.26.04--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

In a message dated 1/17/2002 12:40:22 PM Pacific Standard Time,
mwrobertson@attbi.com writes:

> You have my curiosity as to why an external tnc2 is going to be
> used! But on page 8 of your manual is a pin layout for the D700
> microphone.. No numbers for the pins, but it is plain which is
> what.. Good luck es 73
>

There is no RX audio on the mic jack. The place to interface a TNC is the
6-pin mini-din jack which does include RX audio, TX audio and PTT (referred
to by the Japanese as "standby"). Note that the audio connections on this
jack follow the band selected for transmit ; i.e. if you expect to monitor
with the external TNC on band A and hit the front panel button for band B,
the TNC is also now listening and transmitting on band B. This is the
opposite of the built-in TNC that is assigned and FIXED to band A or B in the
setup menus.

```
Stephen H. Smith                   wa8lmf @ aol.com
Home Page:
http://members.aol.com/wa8lmf
Ham Radio/Mobile SSTV page:     http://members.aol.com/wa8lmf/ham
APRS Stuff
http://members.aol.com/wa8lmf/aprs
-----------------------------------------------------------------------------

----------
|    Radio Communications Systems       Personal Computers
|                Consulting and Systems Integration
|    GPS Custom Mapping    &     Radio Coverage Surveys
|    File Conversions       MS-Windows Setups       VISCII Fonts
-----------------------------------------------------------------------------

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```

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---

487. [aprssig] Re: Certification

From: Alex <kr1st@amsat.org>
Date: Thu, 17 Jan 2002 16:24:35 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: TAPR APRS Special Interest Group <aprssig@lists.tapr.org>
Message-ID: <LYR842-57755-2002.01.17-15.54.35--lyris.aprssig#tapr.org@lists.tapr.org>
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What's the carrot?

The end user is going to determine how much the "APRS Certificate" is really going to be an incentive for a programmer. He or she will make the choice which software is going to run on his or her computer. A "APRS Certified" $60 program or a non certified free (or perhaps simply cheaper) program? Especially when money has to be paid to get certified as it is specified in the current WG charter this may become an issue. Then of course there's the trademark issue, and the question if the programmer even would want to carry the trademark of someone else.

Besides, the above is only true for programmers who are actually interested in their product to be somehow "popular" or for some other reason would like to see a some sort of a installed base. Those who are not couldn't care less about the certificate.

I was once a proponent of certification if it would result in the availability of a consistent and constantly updated design model. But I haven't heard from a WG lately and I assume it's non-existent. Well, they may not be formally dismantled and even might have members added to it, but for now it seems more like they only exist on paper.

One might also wonder how long the WG is going to be interested in doing this. What is the guarantee for the continuation of the certification program? If the program would be put in place today, but would die six months from now due to lack of interest (by the WG) or time or whatever other excuse can be thought of, then you have a bunch of applications that carry the "APRS Certificate" and a bunch that don't and never will since no-one is interested in executing the certification program anymore. Future applications will never even get a chance to get the certificate.

I don't think the current WG is really interested in the certification program or else we would have seen something happening by now.

73s,
--Alex

Jeff King wrote:

> None-the-less, a mechanism is needed, and to be effective, that mechanism needs
> to be a choke point. Trying to individually enforce the spec on 600,000 hams
> across the U.S. and x,xxx,xxx? worldwide is like trying to herd that many cats.
> So, the only alternative is for the APRS-WG to actually do what they say they
> were going to do and introduce a certification process for the authors/programs.
> Telling the authors what to do is also like herding cats, but at least you have
> a chance, and frankly the term "APRS Certified" would seem to me to be a valuable
> trademark any author would want on their program.

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488. [aprssig] Re: Certification

From: Jeff King <jeff@aerodata.net>
Date: Thu, 17 Jan 2002 16:56:45 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: TAPR APRS Special Interest Group <aprssig@lists.tapr.org>
Message-ID: <LYR842-57760-2002.01.17-16.26.38--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Alex wrote:

> What's the carrot?

A marketing advantage in that the user is getting a product that is not seriously broken and/or that is maintained to remain compliant. This is a carrot for the developers.

The stick is peer pressure in the sense a user is using a APRS certified program or that a sysop/user maintains there software in the current compliant release. If not, it makes it clear the user has chosen to use a noncompliance program.

> A "APRS Certified" $60 program or a non certified free (or perhaps simply
> cheaper) program? Especially when money has to be paid to get certified
> as it is specified in the current WG charter this may become an issue.

Well, good point, but one would think the WG would consider waiving or reducing this fee, in particular in the light it would be to fix a clearly identified problem.

> Besides, the above is only true for programmers who are actually
> interested in their product to be somehow "popular" or for some other
> reason would like to see a some sort of a installed base. Those who are
> not couldn't care less about the certificate.

That is true and the lack of certification would not stop them in any way. Yet ham radio by and large is a social hobby, and most certainly is in the context of a APRS network. I think you are underestimating the power of peer pressure, when a easily identifiable problem can be identified in a clear and decisive way.

> I was once a proponent of certification if it would result in the
> availability of a consistent and constantly updated design model. But I
> haven't heard from a WG lately and I assume it's non-existent. Well,
> they may not be formally dismantled and even might have members added to
> it, but for now it seems more like they only exist on paper.

Two different issues Alex and I am not going to get into if they do or do not exist. I was told at the 2001 DCC that they did exist. I looked at their bylaws and it states that compliant programs will be awarded the logo "APRS certified". I'm simply stating that the application of this promise might be a means to reduce the number of non compliant programs and that it would be both a carrot (in the sense "APRS certified" would.

> One might also wonder how long the WG is going to be interested in doing
> this. What is the guarantee for the continuation of the certification
> program?

Are you asking me a question? I have no idea because I am not a member of this group. Yet I can say with relative confidence that something is better then nothing. The chances of continuation are mich higher if a program actually exists then if it was never followed through with.

> I don't think the current WG is really interested in the certification
> program or else we would have seen something happening by now.

That very well may be true, I have no idea and my suggestion was just one way you might fix the problem. Do you have any suggestions? Again, the contention is that END USERS/SYSOPS are doing nasty things with their software that affect the network. This was the specific charge that I was replying to:

>> Unfortunately, some IGATEs, Hubs and Servers respond with overly long
>> messages which often violate the spec. Some sysops seem to delight in
>> constructing these huge SPAM messages.

I've been in packet radio long enough to know if they can do it, they will. And yes, you can educate these sysops, yet in 3 months yet another group will come along. Running a packet bbs, aprs node or any number of things in ham radio can be an ego trip. Or the sysop may simply be ignorant to the operating standards. Yet their disrespect for operating practices can damage the network. Do we agree on that?

The key here is to assume whatever the user can do to damage the network, they will do. Hence, it falls upon the authors to write software that is not dangerous to the network if abused. A certification would encourage authors to be responsible in my opinion.

I was just suggesting if the WG still existed, once solution might be to actually do what they said they were going to do three years ago. I'm sure you can find a million ways to poke holes in my argument yet we hear the same tired arguments for anarchy in APRS time and time again. And ultimately, nothing gets done.

Regards,

Jeff

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---

489. [aprssig] Re: TM-D700 + external TNC

From: Bob Bruninga <bruninga@usna.edu>
Date: Thu, 17 Jan 2002 18:05:02 -0500 (EST)
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: TAPR APRS Special Interest Group <aprssig@lists.tapr.org>
Message-ID: <LYR842-57764-2002.01.17-17.35.00--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

```
On Thu, 17 Jan 2002, Robbie Robertson wrote:

> You have my curiosity as to why an external tnc2 is going to be
> used!...

A good question.  But there is a niche where it is useful:

I finally got around to it so that now, with my KPC-9612 hooked up
as an external TNC and my D700 connected to my satellite antenna, I can
watch three of the data streams coming down from PCsat at the same time:

 1200 baud 145.825  most users
 9600 baud 145.825  some telemmetry (or Moblies but it is turned off now)
 9600 baud 144.39 where the GPS data is coming down now...

The external KPC-9612 does the first two simultaneously and the internal
TNC does the last one and can be either 1200 or 9600 but not at the same
time...

So much data flying around here!

de WB4APR@amsat.org, Bob

PCsat WEB  page     http://www.ew.usna.edu/~bruninga/pcsat.html
ISS-APRS FAQ:       http://www.ew.usna.edu/~bruninga/iss-faq.html
CUBESAT Designs     http://www.ew.usna.edu/~bruninga/cubesat.html
APRS LIVE pages     http://www.ew.usna.edu/~bruninga/aprs.html
APRS SATELLITES     http://www.ew.usna.edu/~bruninga/astars.html
MIM/Mic-E/Mic-Lite  http://www.toad.net/~wclement/bruninga/mic-lite.html


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490. [aprssig] APRN and HRU2002

From: John <kb2scs@optonline.net>
Date: Thu, 17 Jan 2002 18:19:14 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-57765-2002.01.17-17.52.09--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

```
Hi All

        On Sunday January 20 HRU2002 will be occurring.
We will have a live APRN Web page at the following URL.

http://www.hudson.arrl.org/nli/

The pictures you will see will of course be those taken
at HRU2002.
This APRN Web Page will be active on January 20. If
you go to the NLI web page now you will not see the
Link to the APRN page. On the 20th the link will be there.

So what is HRU2002. HRU2002 stands for Ham Radio University
20002.
It is a full day of forums about Amateur Radio.
It is located in Babylon Long Island.
Those that are interested please go to the above URL and
read all about HRU2002.

On Sunday go to the above URL to see Live APRN in action.
```

Let us hope we never witness the "Silence Of The Hams"
73 DE John KB2SCS
Mail To: kb2scs@wa2pnu.#nli.ny.usa.noam
E-Mail: kb2scs@optonline.net

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Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

---

491. [aprssig] ... wag the dog.

From: "Clark A. Lowry N7AAC" <clark@wd.org>
Date: Thu, 17 Jan 2002 17:03:29 -0700
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: APRS Special Intrest Group <aprssig@lists.tapr.org>
Message-ID: <LYR842-57770-2002.01.17-18.33.46--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

> >
>> That doesn't change the fact, that in this situation, the IGATE query
>> is not only useless, it is dangerous. RF APRS stations need to be
>> able to do a query and find out who's out there. It is the Gateway
>> that needs to filter out the I-gates heard on TCP/IP and respond on
>> RF with only it's own call. We can't just shrug this off and advise
>> people not to query for IGATEs.
>>
> > N7AAC
>
>{snip} the query comes from RF and is returned RF. The APRS IS feed
\>can't filter such a task, its not smart enough.

Why not? Gateways should be able to do this. That is we call it a
GATEWAY and not a FAUCET.

\>Besides, an RF station requesting the query isn't heard by just a
\>single Igate. Count the responses and duplications of the echo's.
\>Could be from Igates hundreds of miles away running paths of WIDE5-5.

That's fine. That is exactly the info the mobile needs. Which I-gates
is he reaching?

\>Until a regional Igate concept is agreed upon, it won't happen. Are
\>you willing to adjust your path to reach the nearest Igate and no
\>others? I think we all understand the problem.

This does not require a meeting of the minds of those who see
themselves as in the ivory tower. This just needs some common sense.
If you are a software author, fix it.

>I'm not much of a 'king of the Mountain' person. Years ago when I
\>introduced my 'cell theory' to the guru's in Phoenix. Most of them
\>were totally against having an Igate, period. They wanted APRS to be
\>RF only.

This doesn't have anything to do with cell theories or with the
pioneers who saw tactical advantages of using APRS in Red Cross
Emergency Services, search & rescue, bicycle races, and mobile
recreation. This has to do with faulty software and what has to be
done to "fix" it.

>{snip}
>
\>Even if I developed a plan to do what you want, I'm afraid Phoenix
\>would be the last place for it to work. Sorry.
>
\>Dick Stanich, KB7ZVA

I don't see why it takes for YOU to make a plan. All we need is for
the I-gate software to work properly.

I am one of those that sees APRS as being RF. The TCP/IP backbone is
a wonderful addition to the APRS system and gives interested non hams
a window into our fascinating activities, but the origins and most
useful purposes of APRS are with mobile stations who communicate via

RF through digipeaters on earth and in space. The TCP/IP gateways should only be the connection mechanism that creates a seamless communication system world wide.

Let's don't let the tcp/ip tail wag the APRS dog.

N7AAC

---

492. [aprssig] Messages via PCsat to Travelers

From: Bob Bruninga <bruninga@usna.edu>
Date: Thu, 17 Jan 2002 19:21:16 -0500 (EST)
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-57776-2002.01.17-18.51.15--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Another PCsat first:

An RF message somewhere on the planet sent on an APRS channel and delivered via the internet to somewhere else on the planet where it was gated via PCsat to the end user. This is one more of the underutilized features of PCSAT as integrated into the worldwide APRS system. Here was the original packet within range of DIGI-1.......

```
  W2KQ>APW251,DIGI-1*/1::WB4APR   :good show bob  73 Joe{003
```

That message was picked up by an Igate within range of DIGI-1 (Like all APRS messages worldwide on any frequency) and sent to the internet to all other IGates worldwide within seconds. One of those IGates was AHUB-4 which has a port on PCSAT's channel. It in turn had seen WB4APR last via PCsat. So like all Igates, it pulled the live packet off the internet and sent if up via PCsat where it was digipeated back to WB4APR in Maryland LIVE:

```
  AHUB-4>APW251,PCSAT-1*/1:}W2KQ>APRS,TCPIP,AHUB-4*::WB4APR   :good show
                           bob  73 Joe{003
```

This was an unplanned serendipitous packet, but since it demosntrated where we are going with this, I thought I would share it. Now for the preverbial details:

1) In this case, the original packet was via PCSAT-1 (DIGI-1) but then went back into the internet to come back out via another IGate (AHUB-4) and then back up to the satellite. But if anyone anywhere on the planet had transmitted a packet to me during that 10 minute pass on their local RF APRS network, it also would have been gated just as well.

2) This capability can IMPLODE the PCsat system unless we get everything set up properly. Here is the problem... By default, any IGate assumes anyone it hears on RF is a local station (so Igates listening to PCsat will rightfully assume then that they have an RF path to that person (they do, but only for 5 minutes or so)... But we cannot let ALL igates then try to all transmit at once to send an internet packet back to someone via PCsat..

Possible solutions:

1) Only one Satgate per footprint. One on East coast and one on west coast. (but they will still collide enough to make this painful)

2) Travelers REGISTER with the SATGATE nearest where they will be traveling. No other packets are gated to PCsat. Thus, only one IGate will be watching for their traffic.

3) If there is only one satgate on your continent, then there is no problem, but since ANY copy of APRS running on anyone's home station can be an IGate transparently, you see that we can have a BIG problem.

Problem is, I dont even konw who the SATGATES are other than a few.. and they come and go. But managing this worldwide amateur radio LIVE messaging via satellites linked to the internet will need some committment and planning.

But this was part of the PCsat design, and remember that we can deliver these messages to MOBILES driving though Mississippi who dont even know there is a satellite, because these messages can come down on 144.39 anywhere in the USA.

But that is why all along, PCsat operations assume that travelers with the need to use the higher level features of PCsat will need to file a travel plan so that the network can be managed.

There are other un-used features of PCsat for remote travelers, but so far no such travelers (who will be out of range of the worldwide APRS system) have applied other than VE3RRY who will be on a cruise ship in the Carribean the week of 27 Jan.

de WB4APR@amsat.org, Bob

```
PCsat WEB  page     http://www.ew.usna.edu/~bruninga/pcsat.html
ISS-APRS FAQ:       http://www.ew.usna.edu/~bruninga/iss-faq.html
CUBESAT Designs     http://www.ew.usna.edu/~bruninga/cubesat.html
APRS LIVE pages     http://www.ew.usna.edu/~bruninga/aprs.html
APRS SATELLITES     http://www.ew.usna.edu/~bruninga/astars.html
```

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Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

---

493. [aprssig] Re: ... wag the dog.

From: "Dick Stanich" <dick@kb7zva.com>
Date: Thu, 17 Jan 2002 19:54:13
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-57787-2002.01.17-20.24.10--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Clark,

My responses to you were off sig. and that's where they need to go. If you feel the world needs see this rediculous debate... you are being pompous.

Dick, KB7ZVA

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---

494. [aprssig] Re: TM-D700 + external TNC

From: Robbie Robertson <mwrobertson@attbi.com>
Date: Thu, 17 Jan 2002 21:20:56 -0600
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: TAPR APRS Special Interest Group <aprssig@lists.tapr.org>
Message-ID: <LYR842-57794-2002.01.17-21.50.36--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Thanks guys, (Steve, Bob),

My small little world just got a little more complicated for my D700 and me!

Robbie

Bob Bruninga wrote:

```
>
> On Thu, 17 Jan 2002, Robbie Robertson wrote:
>
> > You have my curiosity as to why an external tnc2 is going to be
> > used!...
>
> A good question.  But there is a niche where it is useful:
>
> I finally got around to it so that now, with my KPC-9612 hooked up
> as an external TNC and my D700 connected to my satellite antenna, I can
> watch three of the data streams coming down from PCsat at the same time:
>
>  1200 baud 145.825  most users
>  9600 baud 145.825  some telemmetry (or Moblies but it is turned off now)
>  9600 baud 144.39 where the GPS data is coming down now...
>
> The external KPC-9612 does the first two simultaneously and the internal
> TNC does the last one and can be either 1200 or 9600 but not at the same
> time...
>
> So much data flying around here!
```

```
>
> de WB4APR@amsat.org, Bob
>
> PCsat WEB  page     http://www.ew.usna.edu/~bruninga/pcsat.html
> ISS-APRS FAQ:       http://www.ew.usna.edu/~bruninga/iss-faq.html
> CUBESAT Designs     http://www.ew.usna.edu/~bruninga/cubesat.html
> APRS LIVE pages     http://www.ew.usna.edu/~bruninga/aprs.html
> APRS SATELLITES     http://www.ew.usna.edu/~bruninga/astars.html
> MIM/Mic-E/Mic-Lite  http://www.toad.net/~wclement/bruninga/mic-lite.html

--

- Robbie Robertson -
...-.- wa9inf ...-.-

---
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```

495. [aprssig] Re: Springboard Slot for Visor to go away

From: "Brian C. Lane" <kc7tyu@brianlane.com>
Date: Thu, 17 Jan 2002 22:18:22 -0800
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-57820-2002.01.18-00.54.12--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

```
On Wednesday 16 January 2002 01:35 pm, you wrote:
> Appearantly Handspring (maker of the Palm clone with the springboard
> slot)... has made the decision to drop the Handspring device in favor of
> their Treo device... with the Springboard slot being left behind in the
> process....
>
> I seem to remember seeing a neat DSP based TNC mentioned here.... that used
> the springboard slot.... I hope they can find a different niche for their
> product...
>

  So do we <G>. That's the SM2496 you're thinking of
(http://www.shinemicro.com), I'm lead programmer on the project (or was?
We're not sure yet). Handspring has delt the Visor and Springboard markets a
fatal blow, but I suspect that there will be Visors available for a while to
come.

  The big question that we have is if we were to produce a limited number of
modem only springboard modules do you think there would be enough interest?
These wouldn't have MMC storage and wouldn't be able to play or record MP3s
but they would easily do 1200bps packet or any other protocol you want to
come up with.

Brian Lane



--
Brian C. Lane - Programmer, EET, KC7TYU                    www.brianlane.com

---
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```

496. [aprssig] Bob: I copied your msg to W6MAF in the mobile but not by sat

From: WA8LMF2@aol.com
Date: Fri, 18 Jan 2002 01:24:25 EST
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: wb4apr@amsat.org
Message-ID: <LYR842-57821-2002.01.18-00.54.27--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

```
I run APRSplus on a Dell 3000 laptop in the car with my D700 in PACKET mode.
I was just about to clear all data before shutting it down this evening (at
my QTH in Pasadena) when I noticed your message to W6MAF.  The APRSplus
"Traffic" tab showed this:

>From    To       Text
WB4APR  W6MAF    If u get this via SAT, pse QSL wb4apr@amsat.org
```

```
Path                                        Date/Time Heard
G:BEACON,WIDE2-2}APRS,TCPIP, N6EX-3*        2002/01/18 00:58:26
```

Looks like it made it out here via Internet

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---

497. [aprssig] Re: Springboard Slot for Visor to go away

From: Jeff Brenton <jeffb@csrye.org>
Date: Fri, 18 Jan 2002 00:56:47 -0600
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: aprssig <aprssig@tapr.org>
Message-ID: <LYR842-57823-2002.01.18-01.27.58--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

BCL>   The big question that we have is if we were to produce a limited number of
BCL> modem only springboard modules do you think there would be enough interest?
BCL> These wouldn't have MMC storage and wouldn't be able to play or record MP3s
BCL> but they would easily do 1200bps packet or any other protocol you want to
BCL> come up with.

I'd ask a different question - would it be possible to redirect your hardware efforts towards the Compact Flash form factor, which would make it available to a wider variety of hand-held devices, and, through the use of inexpensive CF->PCCard adapters, most laptops?

--

Jeff Brenton KA9VNV
Questionable web page: http://dididahdahdidit.com

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Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

---

498. [aprssig] Re: Springboard Slot for Visor to go away

From: Mike Musick <mcmusick@anet-stl.com>
Date: Fri, 18 Jan 2002 01:06:27 -0600
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-57824-2002.01.18-01.37.24--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Allan regaled us with:

>Apparently Handspring (maker of the Palm clone with the springboard
>slot)... has made the decision to drop the Handspring device in favor of
>their Treo device... with the Springboard slot being left behind in the
>process....
>
>I seem to remember seeing a neat DSP based TNC mentioned here.... that used
>the springboard slot.... I hope they can find a different niche for their
>product...
>
>www.palminfocenter.com

=====

Anybody who followed that link may have discovered that I was in the thick of the discussion.

I was trying not to say anything here until the information was better sorted out. I am still working on the code within pocketAPRS to support the DSP-based TNC Springboard, and have been on the phone in the past couple of days with the owner of the affected company trying to get a sense of direction. Needless to say, he's pretty down on Handspring - and Palm OS in general - at the moment. Frankly, so am I.

What we need is a better time line on this "announcement". There's been some hedging in the background about the meaning of "eventually discontinue". For instance, I know that I will "eventually discontinue" living, but not for a long, long time... (I hope ;-)).

As it stands today, though, I guess before I do much more work on this TNC support code I am going to need more information. Two things, specifically:

1) Get input from pocketAPRS users who are (or at least were) interested in this Springboard TNC (SM2496, http://www.shinemicro.com). It solves a problem, and very elegantly. Price of admission is $200 - not exactly cheap, but certainly less expensive than an equivalent 1200/9600 TNC from K-know-who.

2) Talk to my contact a little more about his plans. I know there were 100 beta units made, but I also know that a goodly number of them went to selected large clients, and that there were minor QC problems in some of the initial batch of beta boards (after all, finding problems is what "beta" programs are for!). So how many of the original 100 remain is an unknown.

Bottom line is that if he's not going ahead with any production run (which was the case as of Thursday a.m.) and there are so few (or no) beta boards remaining that we can buy, then it's pointless to finish the support programming. I personally like the concept, but I'm not going to bang my head against some pretty bulky code if I'm the only one ever likely to have the opportunity to use it.

I'll post any relevant updates either here or at the website, http://www.pocketaprs.com .

...mike

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---

499. [aprssig] Re: Bob: I copied your msg to W6MAF in the mobile but not by sat

From: "Ev Tupis (W2EV)" <w2ev@arrl.net>
Date: Fri, 18 Jan 2002 06:13:20 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-57831-2002.01.18-05.43.23--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

WA8LMF2@aol.com wrote:

```
>
> I run APRSplus on a Dell 3000 laptop in the car with my D700 in PACKET mode.
> I was just about to clear all data before shutting it down this evening (at
> my QTH in Pasadena) when I noticed your message to W6MAF.  The APRSplus
> "Traffic" tab showed this:
>
> >From    To       Text
> WB4APR  W6MAF    If u get this via SAT, pse QSL wb4apr@amsat.org
>
> Path                                      Date/Time Heard
> G:BEACON,WIDE2-2}APRS,TCPIP, N6EX-3*        2002/01/18 00:58:26
>
> Looks like it made it out here via Internet
```

Is it possible that it made it out there both ways (Sat & Internet)?
Ev, W2EV

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---

500. [aprssig] Re: Visor Cable

From: Ernst Niggli <niggli@pyl.unibe.ch>
Date: Fri, 18 Jan 2002 13:38:11 +0100
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-57839-2002.01.18-07.09.02--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Darell,

I checked the cable and it says it is a hot-sync cable. If I am not mistaken, a regular serial cable is different from a hot-sync cable.

Have you actually used this cable to hook up a GPS to the Visor??

Thank you for any info.

Ernst HB9PVI

WWW:
http://beam.to/hb9pvi

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---

501. [aprssig] Re: TM-D700 + external TNC

From: <gavingroce@yahoo.com>
Date: Fri, 18 Jan 2002 08:29:14 -0600
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-57841-2002.01.18-08.59.17--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

this would be great for aprs! Anyone working on aprs software?

-----Original Message-----
From: bounce-aprssig-27324@lists.tapr.org
[mailto:bounce-aprssig-27324@lists.tapr.org]On Behalf Of Robbie
Robertson
Sent: Thursday, January 17, 2002 9:21 PM
To: TAPR APRS Special Interest Group
Cc: TAPR APRS Special Interest Group
Subject: [aprssig] Re: TM-D700 + external TNC

Thanks guys, (Steve, Bob),

My small little world just got a little more complicated for my
D700 and me!

Robbie

Bob Bruninga wrote:
>
> On Thu, 17 Jan 2002, Robbie Robertson wrote:
>
> > You have my curiosity as to why an external tnc2 is going to be
> > used!...
>
> A good question. But there is a niche where it is useful:
>
> I finally got around to it so that now, with my KPC-9612 hooked up
> as an external TNC and my D700 connected to my satellite antenna, I can
> watch three of the data streams coming down from PCsat at the same time:
>
> 1200 baud 145.825 most users
> 9600 baud 145.825 some telemmetry (or Moblies but it is turned off now)
> 9600 baud 144.39 where the GPS data is coming down now...
>
> The external KPC-9612 does the first two simultaneously and the internal
> TNC does the last one and can be either 1200 or 9600 but not at the same
> time...
>
> So much data flying around here!
>
> de WB4APR@amsat.org, Bob
>
> PCsat WEB page   http://www.ew.usna.edu/~bruninga/pcsat.html
> ISS-APRS FAQ: http://www.ew.usna.edu/~bruninga/iss-faq.html
> CUBESAT Designs   http://www.ew.usna.edu/~bruninga/cubesat.html
> APRS LIVE pages   http://www.ew.usna.edu/~bruninga/aprs.html
> APRS SATELLITES   http://www.ew.usna.edu/~bruninga/astars.html
> MIM/Mic-E/Mic-Lite http://www.toad.net/~wclement/bruninga/mic-lite.html

--

- Robbie Robertson -
...-.- wa9inf ...-.-

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502. [aprssig] Re: Bob: I copied your msg to W6MAF in the mobile but not by sat

From: Bob Bruninga <bruninga@usna.edu>
Date: Fri, 18 Jan 2002 09:33:00 -0500 (EST)
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: <aprssig@lists.tapr.org>, <wb4apr@amsat.org>
Message-ID: <LYR842-57843-2002.01.18-09.03.06--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Thanks.
I was trying to see if it would get to the satelite..
thanks
bob

On Fri, 18 Jan 2002 WA8LMF2@aol.com wrote:

```
> I run APRSplus on a Dell 3000 laptop in the car with my D700 in PACKET mode.
> I was just about to clear all data before shutting it down this evening (at
> my QTH in Pasadena) when I noticed your message to W6MAF.  The APRSplus
> "Traffic" tab showed this:
>
> >From    To       Text
> WB4APR  W6MAF    If u get this via SAT, pse QSL wb4apr@amsat.org
>
> Path                                     Date/Time Heard
> G:BEACON,WIDE2-2}APRS,TCPIP, N6EX-3*        2002/01/18 00:58:26
>
>
>
>
>
> Looks like it made it out here via Internet
>
```

de WB4APR@amsat.org, Bob

```
PCsat WEB  page     http://www.ew.usna.edu/~bruninga/pcsat.html
ISS-APRS FAQ:       http://www.ew.usna.edu/~bruninga/iss-faq.html
CUBESAT Designs     http://www.ew.usna.edu/~bruninga/cubesat.html
APRS LIVE pages     http://www.ew.usna.edu/~bruninga/aprs.html
APRS SATELLITES     http://www.ew.usna.edu/~bruninga/astars.html
MIM/Mic-E/Mic-Lite  http://www.toad.net/~wclement/bruninga/mic-lite.html
```

---
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503. [aprssig] Re: i-button wx

From: "David R. Andersen" <k0rx@qth.com>
Date: Fri, 18 Jan 2002 08:34:22 -0600
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-57845-2002.01.18-09.06.17--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Comments below...

> Why not look into the Radio Shack WX200/Oregon Scientific WM-918? For
> about the same cost as the Dallas Semi 1-wire you get a heckuva lot

> better value in my opinion. More sensors are standard, nice indoor display unit, out-of-the box PC connectivity, much wider range of supported APRS platforms. Okay, so there are a few extra wires to contend with, big deal, what's another 3-4 wires up to the roof when most hams already have dozens! You can still find these on eBay new-in-box with the PC software and cable for about $175. No significant difference in the quality of the sensors (unless you end up with a finicky temp unit which is a known bug). That's the cost of the basic Dallas unit and I don't think it includes rain bucket or software.

I can think of at least three reasons to choose MicroWeather over the WX200/WM-918.

1) Equipment cost

MicroWeather ~$125
1-wire anemometer $107 (delivered)

Total cost for the MicroWeather-based station $232

WX200/WM918 $175+
APRS Client software $50+
PC $300+
Operating system $100+
TNC $50+

Total cost for the WX200/WM918-based system $675+ If you can use Linux, this cost goes down by $150 or so.

2) Power required

Microweather draws about 15 mA during operation. Assuming a 12V supply and reasonable efficiency of the P/S of 50%, as well as $0.10 per kwh for power, the power cost is:

24 hrs/day * 365 days * 15mA * 12V * 2 * $0.10/kwh = $negligible

if you choose the proper radio, this station can even be solar-powered - very important in remote-deployment scenarios.

In the WX200/WM918 system, the dominant power consumer (ignoring radio requirements for the two systems because they are equal) is the PC itself. Assuming the PC will dissipate 200W, the power cost is:

24 hrs/day * 365 days * 200 W * $0.10/kwh = $16.80

This is an annual cost. If the system is designed for 5 years of service, that's another $80 added to the price differential.

3) Reliability

MicroWeather has been designed to run unattended for remote deployment. One of my development stations has run unattended for over 3 months at a time.

Imagine trying to get a windows PC to run for more than a week without requiring a reboot. Especially in an "RF-rich" environment ;-)

As I've shown here, the cost differential between MicroWeather and the WX200/WM918 system, including 5 years of power, is a bit more than $520. This cost differential is reduced somewhat if you use a free operating system and APRS client. But the fact remains that MicroWeather is by far the lower-cost weather station implementation when comparing the two.

73
Dave K0RX
MicroWeather Developer
http://www.qth.com/RXcomm

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504. [aprssig] Handspring cable

From: "Alan Heaberlin" <amh@as.net>
Date: Fri, 18 Jan 2002 06:39:55 -0800
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-57847-2002.01.18-09.10.03--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

I think what we really need is modem cable which is different from the
hotsync cable. For the Deluxe and Neo the one markspace has won't work but
they are supposed to have one by Feb. I don't think the hotsync/DB9 cable
will work for modem use even with null modem adapter.
Alan Heaberlin W6AMH

On Thu, 17 Jan 2002, Darrell Sutton wrote:

> I just found this cable for the Visor which has a serial end. I believe
> others were looking for something like it. I will be ordering today. If
you
> would like a update let me know offline <kf4hjw@arrl.net>
> 73's
>
> http://www.cablestogo.com/product.asp?cat%5Fid=2103&sku=27108

>markspace.com is another source.

---
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505. [aprssig] Re: Certification

From: KC7ZRU - Tate <kc7zru@arrl.net>
Date: Fri, 18 Jan 2002 09:06:45 -0700
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-57855-2002.01.18-10.36.48--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

How's this for 'peer presure' self policing stick and carrot action...

An addition to the RF spec. Use one of the "many" bits to either indicate a packet origionated from a "certified" source or not. Then GATES, servers, etc will be enabled to either pass or drop "non certified" sources.

Jeff King wrote:
>
>
> The stick is peer pressure in the sense a user is using a APRS certified program
> or that a sysop/user maintains there software in the current compliant release.
> If not, it makes it clear the user has chosen to use a noncompliance program.
>

---
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506. [aprssig] Re: Certification

From: Phil Reed <preed@dnaco.net>
Date: Fri, 18 Jan 2002 11:16:20 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-57859-2002.01.18-10.46.33--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

At 09:06 AM 1/18/2002 -0700, KC7ZRU - Tate wrote:
>How's this for 'peer presure' self policing stick and carrot action...
>
>An addition to the RF spec. Use one of the "many" bits to either indicate
>a packet origionated from a "certified" source or not. Then GATES,
>servers, etc will be enabled to either pass or drop "non certified" sources.

Pardon my cynicism, but what's to prevent the author of a non-certified
source from turning on the "certified" flag?

```
---

                                  ...phil / w8sca

"For a list of all the ways technology has failed
     to improve the quality of life, press 3."


---
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507. [aprssig] Re: Springboard Slot for Visor to go away

From: "Curt Mills, WE7U" <hacker@tc.fluke.com>
Date: Fri, 18 Jan 2002 08:16:33 -0800 (PST)
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: TAPR APRS Special Interest Group <aprssig@lists.tapr.org>
Message-ID: <LYR842-57860-2002.01.18-10.46.59--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

```
On Fri, 18 Jan 2002, Mike Musick wrote:

> 1) Get input from pocketAPRS users who are (or at least were)
> interested in this Springboard TNC (SM2496, http://www.shinemicro.com

> Bottom line is that if he's not going ahead with any production run
> (which was the case as of Thursday a.m.) and there are so few (or no)
> beta boards remaining that we can buy, then it's pointless to finish
> the support programming.

I'll speak up!  I have one of the beta units.  My intention is to
tweak the text-only open-source APRS program SmartPalm so that it can
handle these Springboard TNC's.  Whether a production run is made or
not, as long as I can eventually buy a module I'll work on the
software anyway.  If SmartPalm turns out not to be a good fit, I'll
write something else that's open-source and probably still text-only.
I have GPL'ed Xastir code to borrow from if necessary in order to get
a faster start.

I'd very much like to see pocketAPRS have the capability to handle
this TNC also.  I haven't registered pocketAPRS yet but if I can
someday reduce the RF noise generated by my PicoPacket, or if support
for the ShineMicro TNC is added, I will register.  As it is now I
can't really use the PicoPacket due to the noise swamping out my
handheld.  Have to get the ferrite kit out again...

Curt Mills, WE7U                         hacker.NO_*SPAM@tc.fluke.com
Senior Methods Engineer/SysAdmin
"Lotto:    A tax on people who are bad at math." -- unknown
"Windows:  Microsoft's tax on computer illiterates." -- WE7U


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508. [aprssig] Re: Springboard Slot for Visor to go away

From: Ernst Niggli <niggli@pyl.unibe.ch>
Date: Fri, 18 Jan 2002 17:36:42 +0100
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-57863-2002.01.18-11.07.33--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

```
On Fri, 18 Jan 2002, Mike Musick wrote:

> 1) Get input from pocketAPRS users who are (or at least were)
> interested in this Springboard TNC (SM2496, http://www.shinemicro.com

Having this board available with pocketAPRS, I would certainly
register pocketAPRS and get one of these Springboard modules.

Even more so because European maps are finally becoming available from
Henk  PE1DNN (thanks).
```

Ernst HB9PVI

WWW:
http://beam.to/hb9pvi

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509. [aprssig] Re: Certification

From: KC7ZRU - Tate <kc7zru@arrl.net>
Date: Fri, 18 Jan 2002 09:41:54 -0700
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-57864-2002.01.18-11.11.51--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Don't look at it as a serious proposal but as an example of the continuance of a concept...

Phil Reed wrote:
>
> Pardon my cynicism, but what's to prevent the author of a non-certified
> source from turning on the "certified" flag?
>

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510. [aprssig] TOPO!

From: Ken Mirabella <kjm@powerwerx.com>
Date: Fri, 18 Jan 2002 08:54:34 -0800
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: bruninga@usna.edu
Message-ID: <LYR842-57865-2002.01.18-11.24.36--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Greetings All:

Has anyone ever done any work hooking up ANY version of APRS with the
TOPO! Maps.

I am in need of this for Search & Rescue operations.

http://maps.nationalgeographic.com/topo/

Thanks in advance for any assistance.

73, ken, KM6YH
OCRACES

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511. [aprssig] Re: TOPO!

From: "Curt Mills, WE7U" <hacker@tc.fluke.com>
Date: Fri, 18 Jan 2002 10:35:32 -0800 (PST)
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: TAPR APRS Special Interest Group <aprssig@lists.tapr.org>
Message-ID: <LYR842-57870-2002.01.18-13.50.34--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

On Fri, 18 Jan 2002, Ken Mirabella wrote:

> Has anyone ever done any work hooking up ANY version of APRS with the
> TOPO! Maps.
>
> I am in need of this for Search & Rescue operations.
>
> http://maps.nationalgeographic.com/topo/

Not yet, but we're considering hooking into these with Xastir. It
currently supports USGS topo maps in geoTIFF format, chops off the

white map collar and tiles them together in a fairly seamless
fashion. This gives you free maps with a free APRS program, not a
bad combination! If anyone really believes you have to pay money for
good programs, contact me off-list and I'll try to help you with that
little problem too. ;-)

<SHAMELESS PLUG MODE>

The latest CVS version of Xastir runs on Linux/FreeBSD/Solaris/
Mac OS X. See http://www.xastir.org for details. We're nearing the
end of another release cycle, so look for Xastir 1.1.0 soon. Until
then, 1.0.6 from CVS is the most bug-free. Upgrade to 1.0.6 if
you're using older versions, you'll be much happier.

I think we can claim to be the APRS program that costs the least
($0), runs on the most types of operating systems/hardware, and
handles the most map formats. I've seen it run on PowerPC, x86,
and Sparc hardware so far. It handles something like 114 map formats
at last count!

</SHAMELESS PLUG MODE>

If you can stomach the usually out-of-date USGS maps, or update the
images yourself, then Xastir might work well for you. USGS geoTIFF
maps are TIFF images with extra tags added, so you'd need to edit
them in a geoTIFF-aware editor. Most normal image editing programs
strip the geoTIFF tags right out. There are also methods of saving,
then re-introducing the tags later if you're interested in trying
this. If so, contact me off-list and I'll try to help.

I'm in SAR, one of the Xastir developers, and planning to add
SAR-specific features in the near future. Exactly which features to
add is up for debate, but I have several already on my TODO list.

In our county SAR is a volunteer organization, so we have the usual
problems of little or no funding for hardware/software. We need the
most accurate maps we can get our hands on though, so it's a real
problem trying to balance the two.

If the TOPO! maps would be of use to Xastir users, I'd like to hear
about it. Support doesn't look that difficult to add. We can
already support darn-near any image format you can shake a stick at.
The old version of TOPO! I've seen uses GIF files but I've heard the
newer versions use JPG. We already have support for both in Xastir,
so it'd be a simple matter of figuring out which files to load/their
positioning on the screen. It's very similar to what we already do
with USGS Topo maps.

Comments are most welcome.

Curt Mills, WE7U   hacker.NO_*SPAM@tc.fluke.com
Senior Methods Engineer/SysAdmin
"Lotto: A tax on people who are bad at math." -- unknown
"Windows: Microsoft's tax on computer illiterates." -- WE7U

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512. [aprssig] Re: TOPO!

From: "Sadowski, Allan" <allan.sadowski@ncshp.org>
Date: Fri, 18 Jan 2002 15:49:57 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-57882-2002.01.18-15.15.03--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Curt

Any chance XASTIR works with the NIMA/DMA ADRG or CADRG (Arc Digital Raster
Graphic and Compressed Arc Digital Raster Graphic) CDROMS ??? That's what
DoD puts out and that would be useful too !!!! The specs are available on
the internet...

ALOHA
AH6LS

> -----Original Message-----
> From: Curt Mills, WE7U [SMTP:hacker@tc.fluke.com]
> Subject: [aprssig] Re: TOPO!
>
>
> Not yet, but we're considering hooking into these with Xastir. It
> currently supports USGS topo maps in geoTIFF format, chops off the
> white map collar and tiles them together in a fairly seamless
> fashion. This gives you free maps with a free APRS program, not a
> bad combination! If anyone really believes you have to pay money for
> good programs, contact me off-list and I'll try to help you with that
> little problem too. ;-)
>
>
> It handles something like 114 map formatsat last count!
>
>

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---

513. [aprssig] Interesting APRS related article on eHam

From: "Randy Allen - KA□AZs" <ka0azs@commkey.net>
Date: Fri, 18 Jan 2002 16:06:27 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-57883-2002.01.18-15.36.32--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Found the following article about the use of 3D graphics with APRS on eHam.net

http://www.eham.net/articles/3037

Randy Allen, KA□AZS
Asst. EC Montgomery CO Ohio
OH Dist. 3 ARES Web Page:
www.qsl.net/ohd3ares/

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514. [aprssig] Re: TOPO!

From: k5qq@juno.com
Date: Fri, 18 Jan 2002 14:35:44 -0700
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: aprssig@lists.tapr.org, bruninga@usna.edu
Message-ID: <LYR842-57887-2002.01.18-16.14.25--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

On Fri, 18 Jan 2002 08:54:34 -0800 Ken Mirabella <kjm@powerwerx.com>
writes:
> Greetings All:
>
> Has anyone ever done any work hooking up ANY version of APRS with
> the TOPO! Maps.
>
> I am in need of this for Search & Rescue operations.
>
> http://maps.nationalgeographic.com/topo/
>

Ken

I could not make the link work.   Either it's down, a problem on my end,
or you had some kind of a typo in the address.

The New Mexico SAR Support Team is using the 'All Topo Maps' produced by
Igage for our topographic work in APRS.   We run APRS+ and display maps
on the Delorme Street Atlas for our 4WD and other vehicles. We use the
server in APRS+ to feed the data to All Topo Maps for foot teams in the
mountains. The programs run simultaneously and data can be viewed on

either map set depending on what kind of display we need.

The current All Topo Maps come in an 8 CD and are sold by state. They
are extremely high quality and produce impressive maps.

Jim K5QQ
NMSARS Team
____

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515. [aprssig] Re: TOPO!

From: "Curt Mills, WE7U" <hacker@tc.fluke.com>
Date: Fri, 18 Jan 2002 14:09:21 -0800 (PST)
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: TAPR APRS Special Interest Group <aprssig@lists.tapr.org>
Message-ID: <LYR842-57892-2002.01.18-16.54.23--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

On Fri, 18 Jan 2002 k5qq@juno.com wrote:

> The New Mexico SAR Support Team is using the 'All Topo Maps' produced by
> Igage for our topographic work in APRS.   We run APRS+ and display maps
> on the Delorme Street Atlas for our 4WD and other vehicles. We use the
> server in APRS+ to feed the data to All Topo Maps for foot teams in the
> mountains. The programs run simultaneously and data can be viewed on
> either map set depending on what kind of display we need.

Looking at igate.com, I see that they have NMEA input, but didn't see
anything about linking to APRS feeds. Can you show multiple objects
at once on the topo maps, and can it handle MIC-E format and other
APRS formats, or must it only accept NMEA or simulated NMEA for one
object?

How much memory is needed to run such a three-program setup?

Curt Mills, WE7U   hacker.NO_*SPAM@tc.fluke.com
Senior Methods Engineer/SysAdmin
"Lotto: A tax on people who are bad at math." -- unknown
"Windows: Microsoft's tax on computer illiterates." -- WE7U

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516. [aprssig] Re: TOPO!

From: "Richard Amirault" <ramirault@erols.com>
Date: Fri, 18 Jan 2002 19:28:21 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-57922-2002.01.18-18.57.58--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

To avoid confusion be sure *which* program you are talking about. There is
TOPO USA, and then there is TOPO! They are by two different companies, but
I've seen folks refere to TOPO USA as just TOPO and *that* is easily
confused with TOPO! (note the exclamation point)

TOPO! is now sold by National Geographic, while TOPO USA is, I think, a
DeLorme product.

Richard Amirault   N1JDU   Boston,
MA, USA
www.erols.com/ramirault   "Go Fly A Kite"
----- Original Message -----
From: "Ken Mirabella" <kjm@powerwerx.com>
Subject: [aprssig] TOPO!

> Has anyone ever done any work hooking up ANY version of APRS with the
> TOPO! Maps.

>
> I am in need of this for Search & Rescue operations.
>
> http://maps.nationalgeographic.com/topo/
>

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517. [aprssig] PM 4

From: Kee Low <kb7rsi_aprs@yahoo.com>
Date: Fri, 18 Jan 2002 16:34:51 -0800 (PST)
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-57924-2002.01.18-19.04.53--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Hey all.
Just rejoined the list today so I may have missed any
info on this question. Sorry about that.

Anyway, does Precision Maps v4 work with winaprs?

I used to use 3 and wanted to know befor I went and
ordered v 4.

Thanks

Harold
kb7rsi
Las Vegas, Nv.

____
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518. [aprssig] RE: PM 4

From: Bill Diaz <billdiaz@megsinet.net>
Date: Fri, 18 Jan 2002 18:23:23 -0600
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-57925-2002.01.18-19.10.29--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Harold,
  The current WinAprs versions do not work with PM 4.0.

I have been informed that PM 5.0 may be just around the corner. Will believe it when I see it.

Bill KC(XF

On Friday, January 18, 2002 18:35, Kee Low [SMTP:kb7rsi_aprs@yahoo.com] wrote:
> Hey all.
> Just rejoined the list today so I may have missed any
> info on this question. Sorry about that.
>
> Anyway, does Precision Maps v4 work with winaprs?
>
> I used to use 3 and wanted to know befor I went and
> ordered v 4.
>
> Thanks
>
> Harold
> kb7rsi
> Las Vegas, Nv.
>
>
> ____
> Do You Yahoo!?

```
> Send FREE video emails in Yahoo! Mail!
> http://promo.yahoo.com/videomail/
>
> ---
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>

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519. [aprssig] Re: TOPO!

From: "Curt Mills, WE7U" <hacker@tc.fluke.com>
Date: Fri, 18 Jan 2002 12:55:37 -0800 (PST)
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: TAPR APRS Special Interest Group <aprssig@lists.tapr.org>
Message-ID: <LYR842-57934-2002.01.18-20.54.41--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

```
On Fri, 18 Jan 2002, Sadowski, Allan wrote:

> Any chance XASTIR works with the NIMA/DMA ADRG or CADRG (Arc Digital Raster
> Graphic and Compressed Arc Digital Raster Graphic) CDROMS ???  That's what
> DoD puts out and that would be useful too !!!!  The specs are available on
> the internet...

Haven't tried!

I had to customize a lot of the code to attempt to get the USGS DRG's
into a somewhat rectangular format and to crop off the map collar.
Try loading another DRG format and it'll try to do the same
conversions for display.

Do you have some (three adjoining maps, up/down/left) you could send
me, if they're not too many megs?

I'll assume since they're from a government agency that they're
public domain data, just like the USGS DRG's...

Curt Mills, WE7U                         hacker.NO_*SPAM@tc.fluke.com
Senior Methods Engineer/SysAdmin
"Lotto:    A tax on people who are bad at math." -- unknown
"Windows:  Microsoft's tax on computer illiterates." -- WE7U


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520. [aprssig] Re: TOPO!

From: "Curt Mills, WE7U" <hacker@tc.fluke.com>
Date: Fri, 18 Jan 2002 13:08:15 -0800 (PST)
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-57935-2002.01.18-20.54.44--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

```
On Fri, 18 Jan 2002, Curt Mills, WE7U wrote:

> This gives you free maps with a free APRS program, not a
> bad combination!  If anyone really believes you have to pay money for
> good programs, contact me off-list and I'll try to help you with that
> little problem too.  ;-)

A bit ambiguous:  I meant I'd be happy to relieve you of some of that
excess weight in your wallet.  I did _not_ mean that I'd send you any
programs that cost money or were copyrighted.

I'm a big believer in open-source, and make a fair attempt at
avoiding operating systems or programs that cost money or are
proprietary/closed-source.

Open-source programs can be freely shared, including the source code.
In fact, the copyright/license requires it!

:-)
```

Curt Mills, WE7U   hacker.NO_*SPAM@tc.fluke.com
Senior Methods Engineer/SysAdmin
"Lotto: A tax on people who are bad at math." -- unknown
"Windows: Microsoft's tax on computer illiterates." -- WE7U

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521. [aprssig] PCsat Status

From: Bob Bruninga <bruninga@usna.edu>
Date: Fri, 18 Jan 2002 21:33:06 -0500 (EST)
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-57939-2002.01.18-21.04.31--lyris.aprssig#tapr.org@lists.tapr.org>
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PCsat Status:

GPS science testing on PCsat finished today. We will turn it back on at 1000z for 2 more days (Sat/Sun) for your tracking enjoyment. In the USA, watch for PCSAT-11 on your 144.39 mobile. And PCSAT-1 on 145.825.
In the USA, you will get 3 passes from about noon to sundown...
(the other 3 are before SunUp).

For what it is worth, here is some data from a pre-dawn pass yesterday (when no one was awake, probably unattended). THe time increments are 1 minute through the pass (Half pass because my beam was pointed North).

```
STN-1  . . . * * * * . .
STN-2  * . . * * * . . *
STN-3  * * . * . * . . .
STN-4  . . . . . . * * .
STN-5  . . . * . . . . .
STN-6  . . . . . . * . .
STN-7  . . . * * . * . .
STN-4  * . . * * * * * . (second pass)
F9TL   2 packets from France
N3IYI  1 packet from a train
```

Those that were sending at a 1 minute rate (twice the routine rate) did just fine and you can see that they would still have been successful at the recommended 2 minute rate... I know that N3IYI uses a 5 minute period from his train cars to a 19" whip on the roof. Not sure of the F9, but since it was good DX, I included it...

Remember, if you are mobile, portable, or especially if you are traveling or doing anything interesting we welcome you on PCsat!

de WB4APR@amsat.org, Bob

PCsat WEB page	http://www.ew.usna.edu/~bruninga/pcsat.html
ISS-APRS FAQ:	http://www.ew.usna.edu/~bruninga/iss-faq.html
CUBESAT Designs	http://www.ew.usna.edu/~bruninga/cubesat.html
APRS LIVE pages	http://www.ew.usna.edu/~bruninga/aprs.html
APRS SATELLITES	http://www.ew.usna.edu/~bruninga/astars.html
MIM/Mic-E/Mic-Lite	http://www.toad.net/~wclement/bruninga/mic-lite.html

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522. [aprssig] Re: Springboard Slot for Visor to go away

From: "Tom Busch" <tomb@kiva.net>
Date: Fri, 18 Jan 2002 22:33:34 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-57947-2002.01.18-21.46.32--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Well, the talk around the office is that it probably was an unfortunate comment by Dubinsky that was taken out of context, and Handspring isn't doing anything rash yet.

I mean, Treo isn't going anywhere here soon. We're all doing CDMA, and as I recall, it is GSM like the Visorphone. Except for VoiceStream, we havn't got GSM anywhere in Indiana.

To get back on-topic. I hope people keep developing springboards for it.
I'm dying for the TNC springboard.

73,

Tom WB8WOR

----- Original Message -----
From: Curt Mills, WE7U <hacker@tc.fluke.com>
To: TAPR APRS Special Interest Group <aprssig@lists.tapr.org>
Cc: TAPR APRS Special Interest Group <aprssig@lists.tapr.org>
Sent: Friday, January 18, 2002 11:16 AM
Subject: [aprssig] Re: Springboard Slot for Visor to go away

> On Fri, 18 Jan 2002, Mike Musick wrote:
>
> > 1) Get input from pocketAPRS users who are (or at least were)
> > interested in this Springboard TNC (SM2496, http://www.shinemicro.com
>
> > Bottom line is that if he's not going ahead with any production run
> > (which was the case as of Thursday a.m.) and there are so few (or no)
> > beta boards remaining that we can buy, then it's pointless to finish
> > the support programming.
>
> I'll speak up! I have one of the beta units. My intention is to
> tweak the text-only open-source APRS program SmartPalm so that it can
> handle these Springboard TNC's. Whether a production run is made or
> not, as long as I can eventually buy a module I'll work on the
> software anyway. If SmartPalm turns out not to be a good fit, I'll
> write something else that's open-source and probably still text-only.
> I have GPL'ed Xastir code to borrow from if necessary in order to get
> a faster start.
>
> I'd very much like to see pocketAPRS have the capability to handle
> this TNC also. I haven't registered pocketAPRS yet but if I can
> someday reduce the RF noise generated by my PicoPacket, or if support
> for the ShineMicro TNC is added, I will register. As it is now I
> can't really use the PicoPacket due to the noise swamping out my
> handheld. Have to get the ferrite kit out again...
>
> Curt Mills, WE7U   hacker.NO_*SPAM@tc.fluke.com
> Senior Methods Engineer/SysAdmin
> "Lotto: A tax on people who are bad at math." -- unknown
> "Windows: Microsoft's tax on computer illiterates." -- WE7U
>
>
> ---
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> Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org
>
>

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523. [aprssig] Re: Springboard Slot for Visor to go away

From: Mark Fellhauer <sparkfel@qwest.net>
Date: Fri, 18 Jan 2002 22:45:59 -0600
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-57957-2002.01.18-23.16.51--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

At 09:33 PM 1/18/02, Tom Busch wrote:

>Well, the talk around the office is that it probably was an unfortunate
>comment by Dubinsky that was taken out of context, and Handspring isn't
>doing anything rash yet.

You're an optimist. Look at Handspring's own statements - they are doing
something rash. And they have a huge disclaimer on their web site about
it. This was not an unfortunate, out of context statement.   It was a
carefully worded prepared statement in a press conference.

Final quarter of 2001, although profits were up for Handspring, their net
loss is something like $20 million.   Current stock price is hovering at
about $6 per share. Roberston Stephens has it listed as a buy, but I think
that has to do with the stock price being low, and not to do with anything
long term. We also know that market analysts can be bought and are more
often wrong than right.

>I mean, Treo isn't going anywhere here soon. We're all doing CDMA, and as I
>recall, it is GSM like the Visorphone. Except for VoiceStream, we havn't
>got GSM anywhere in Indiana.

Exactly why the roll-out will be in Europe.

>To get back on-topic. I hope people keep developing springboards for it.
>I'm dying for the TNC springboard.

I wish I could share your sentiments. Handspring is not well capitalized
enough to support both the Treo and the Visor. Visor sales have been flat
(9 percent increase at Christmas and only with price cuts, rebates, and
give-aways) and something needs to be axed.

An honest Treo review:

http://www.siliconvalley.com/docs/opinion/techtest/ml011702.htm

Mark
KC7BXS

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---

524. [aprssig] Re: Interesting APRS related article on eHam

From: Skip Allison <sallison@megsinet.net>
Date: Fri, 18 Jan 2002 23:57:22 -0600
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-57977-2002.01.19-00.27.58--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

"Randy Allen - KAØAZs" wrote:
>
> Found the following article about the use of 3D graphics with APRS on eHam.net
>
> http://www.eham.net/articles/3037

Interesting, but you have to read fast before the pictures cover up the
text.

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525. [aprssig] Re: Interesting APRS related article on eHam - APRS in Hollywood

From: "Darryl Smith" <Darryl@radio-active.net.au>
Date: Sat, 19 Jan 2002 20:08:54 +1100
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: " 'Randy Allen - KAØAZs' " <ka0azs@commkey.net>
Message-ID: <LYR842-57992-2002.01.19-03.39.53--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

G'Day All...

Randy Allen - KAØAZs
>Found the following article about the use of 3D graphics with APRS on
eHam.Enet
>
>http://www.eham.net/articles/3037

A bit more information is available at
http://radio-active.net.au/consult/projects/rezn8/scooter.html

I was wondering if anyone would pick up on it. The article is from the DCC last year... I might present it this year unless someone blows up the Sydney Opera House or something leaving me unable to get to the USA. What neither of these show is the scooters I built in front of the companies trophy cabinet with 9 Emmy Awards, and an Acadamy Award (TM). What is more interesting is that Bill Kovacs who co-wrote the paper actually has an Acadamy Award, which he got for starting Wavefront, one of the big names in the computer graphics business, and purchaser of SGI's first computer.

Darryl

P.S.

While I am at it here is some information on APRS in the Sydney Olympics - including an article.
http://radio-active.net.au/consult/projects/oly2000/rcaprs.html
http://radio-active.net.au/consult/projects/oly2000/olydiary.html

----
Darryl Smith, VK2TDS   POBox 169 Ingleburn NSW 2565 Australia
Mobile Number 0412 929 634 [+61 4 12 929 634 International]
Darryl@radio-active.net.au | www.radio-active.net.au for domain names

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526. [aprssig] [Fwd: Product FeedbackCase]

From: Ernst Niggli <niggli@pyl.unibe.ch>
Date: Sat, 19 Jan 2002 13:27:08 +0100
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-57999-2002.01.19-06.57.11--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

This is how Handspring customer care responded to my question recording the spring board interface:

---

527. [aprssig] Re: TOPO!

From: k5qq@juno.com
Date: Sat, 19 Jan 2002 08:28:48 -0700
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: aprssig@lists.tapr.org
Message-ID: <LYR842-58004-2002.01.19-10.30.50--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

On Fri, 18 Jan 2002 14:09:21 -0800 (PST) "Curt Mills, WE7U" <hacker@tc.fluke.com> writes:

> Looking at igate.com, I see that they have NMEA input, but didn't see anything about linking to APRS feeds. Can you show multiple objects at once on the topo maps, and can it handle MIC-E format and other APRS formats, or must it only accept NMEA or simulated NMEA for one object?
>
> How much memory is needed to run such a three-program setup?

All incoming APRS data is processed by APRS+ so Mic-E is an acceptable input. The connection between APRS+ and All Topo Maps (ATM) is via a program written by Steve Coffin and is done using the APRS+ TCPIP connection and links directly into the ATM executable. It is not a serial port interface. Steve's program has several 'switches' which allow you to specify the specific stations you want to plot on the ATM maps, or to specify that only stations within a certain range of a selected fixed point be plotted. NWS data is not processed onto the maps nor are status reports but since the two programs are running at the same time, that is more easily done with the APRS+ displays.

The APRS data is then manipulated in ATM via the normal waypoint file editor that is part of ATM to make the line widths or other annotations on the maps. At this time 'Tactical names' are not displayable on the ATM maps.

I don't know how much memory it takes to run all three programs but the

ATM map files are extrememly large, some 80 - 100 Meg picture files, but
well handled by routines Mark Silver has developed for ATM. For awhile
we ran it on our NMSARS Team computer, an old Winbook with 64Meg of
memory, and Mark's program notes indicates it can be run on a 60 MHz 486
w/ 8 megs of memory. (I'm not sure if this isn't a case of Mark's subtle
wit re the efficiency of his program routines) but the bottom line is I
can't tell any problems with running all three programs on my normal
computers.

The work by Brent on APRS+ and Steve and Mark on ATM has given our SAR
team a fantastic capability to plot our resources both on Delorme Street
Atlas maps and on All Topo Maps. Two GREAT products!!

Jim K5QQ NM SAR Support Team

____
GET INTERNET ACCESS FROM JUNO!
Juno offers FREE or PREMIUM Internet access for less!
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http://dl.www.juno.com/get/web/.

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---

528. [aprssig] Re: [Fwd: Product FeedbackCase]

From: "Brian C. Lane" <kc7tyu@brianlane.com>
Date: Sat, 19 Jan 2002 08:09:38 -0800
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-58017-2002.01.19-10.42.57--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

On Saturday 19 January 2002 04:27 am, Ernst Niggli wrote:
> This is how Handspring customer care responded to my question
> recording the spring board interface:

>
>
> Thank you for contacting Handspring.
>
> Handspring has no plan today for discontinuing Visor. It is clear though
> that over time, communicators will represent the majority of the market,
> and this is where we see the greatest opportunity for Handspring. This is a
> long-term vision for the company, not an immediate plan of action.
>
> For further assistance, please contact Customer Care at 1.888.565.9393.
>

That's pretty much the same response I have received from Handspring. There
are copies of several letters up at http://www.visorcentral.com, including
one released last evening from Jeff Hawkins.

It looks like the predictions of the Visor dissapearing were premature, but
not completely off track. It sounds to me like Handspring will stop creating
new Visor devices, limiting themselves to their current lines (which they are
consolidating -- no Prism in the near future). I was disappointed to see them
drop the Deluxe, which I think was a great deal at $149.

Personally (and just for the record, everything I write is my own opinion and
not that of Shine Micro, I'm just a software guy), I want to see the SM2496
come to market. I think it is the coolest product to hit the ham market in
previous years, with the ability to do a gazillion things that we haven't
even thought of yet. The integration of a programmable DSP and the GUI
interface of the Visor is perfect for all kinds of portable applications.

The big question is the one that you always have to ask -- can we sell enough
of them to make it worthwhile before Handspring cans the Visor completely.

but anyways, this discussion should probably be taken off list before we get
the moderators in a tizzy. I've got a web board setup at
http://www.shinemicro.com/forums for any discussions that people want to
conduct.

Brian Lane

--
Brian C. Lane - Programmer, EET, KC7TYU   www.brianlane.com

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529. [aprssig] PCsat Email message

From: Bob Bruninga <bruninga@usna.edu>
Date: Sat, 19 Jan 2002 11:51:24 -0500 (EST)
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-58018-2002.01.19-11.21.37--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

```
Got this Email today from PE5YES via PCsat.  Here is how it works:

1) He sends normal APRS message from his rig via PCsat while in view.
2) PCsat digipeats it
3) It was picked up by a SATGATE (DF5FF-10) and injected into APRS
Internet
4) THe WU2Z APRS "Email Igate" in New Jersey which monitors the worldwide
APRS stream 24/7 saw it and pulled it off the stream, wrapped it up as
email and sent it to me.

---------- Forwarded message ----------
+---------------------------------------------+
|Date: 19 Jan 2002 10:20:20 -0000             |
|From: alias@rci.rutgers.edu                  |
|To: bruninga@usna.edu                        |
|Subject: APRS Message from PE5YES-4          |
|                                             |
|Hi Bob great SAT msg v PCsat 73`Christ       |
|                                             |
| ------------------------------------------- |
|Message received by MacAPRS IGate station WU2Z|
|Located in NO BRUNSWICK, NJ                  |
|APRS path = PE5YES-4>APRS,PCSAT-1*,DF5FF-10,I |
+---------------------------------------------+

I wont bore you with any more, but this was my first one, so I thought I
would share it...

de WB4APR, Bob



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530. [aprssig] Igate Sysop Info Needed

From: greg@clubnet.net
Date: Sat, 19 Jan 2002 11:05:03 -0800
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-58023-2002.01.19-13.35.10--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

```
Could the sysops for the following Igates contact me directly:

aprsdMOD        Modesto,CA      KF6FIR
INst WV         WV                      KB8LYL-4

The e-mail information on your Igate status page seems to be incorrect.

Greg,
WB6ZSU
second.aprs.net


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```

531. [aprssig] Re: TOPO! / Street Atlas / TopoUSA / multiple GPS displays

From: WA8LMF2@aol.com
Date: Sat, 19 Jan 2002 14:37:20 EST
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: k5qq@juno.com

Message-ID: <LYR842-58027-2002.01.19-14.07.25--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

```
In a message dated 1/19/02 8:03:35 AM Pacific Standard Time, k5qq@juno.com
writes:

> The work by Brent on APRS+ and Steve and Mark on ATM has given our SAR
>  team a fantastic capability to plot our resources both on Delorme Street
>  Atlas maps and on All Topo Maps.  Two GREAT products!!
>

What's the possibility of having Steve's middleware work with Delorme's
TopoUSA 3.0?  TUSA 3.0 can actually read (import) the overlays for Street
Atlas,  and can handle multiple draw layers simultaneously.
     TopoUSA has the same road database as Street Atlas but the relief data
is a repackaged version of the USGS DEMs.  It's GPS track feature is MUCH
nicer than SA's -- it doesn't use those fat chunky green arrows that cover up
adjacent detail.  The current position is large and flashes; previous track
points are smaller (about the size of the road lines) AND DONT GET LOST when
the map is zoomed or scrolled.  The ENTIRE GPS track remains indefinitely
until cleared (or the program is shut down).  You can plot/show an entire
day's driving if you wish, not just the last few minutes like SA.   [ These
comments refer to Delorme TopoUSA Ver 3.0 which is VASTLY improved over the
two earlier versions. ]

BTW,  I discovered you can use APRSplus and run SA's native green arrow GPS
tracking at the same time.    Feed the GPS data stream directly into Street
Atlas though  a serial port other than ones being used by APRSplus, and start
SA's own GPS track routines.  You will see the native SA green arrows, and
Brent's data from APRSplus at the same time.
        [ In my configuration, APRSplus is taking in the Kenwood D700 mixed
TNC/GPS data stream through port 1 set to to the special  "Mode7" . SA is
taking in the same raw GPS data  (that is going TO the D700's GPS jack)
through a serial-to-USB converter.  Sometimes I "cheat" and plug an entire
second GPS unit with a native USB interface (Holux GM-200U) into the USB port
where it shows up as a virtual COM5 device which SA has no trouble accessing.
]

An alternative is to let APRSplus drive Street Atlas in the normal way,  and
then run TopoUSA 3.0 simultaneously with IT'S native GPS driver (actually
nearly identical to SA's) using the second GPS feed for a completely
non-APRS-related display of my own position

I run all this PLUS WinPix32 (sound card SSTV program) simultaneously on a
Dell Inspiron 3000 laptop (classic Pentium MMX 233) with 224MB RAM and
Win98SE.

Stephen H. Smith                   wa8lmf @ aol.com
Home Page:
http://members.aol.com/wa8lmf
Ham Radio/Mobile SSTV page:     http://members.aol.com/wa8lmf/ham
APRS Stuff
http://members.aol.com/wa8lmf/aprs
-----------------------------------------------------------------------------

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|    Radio Communications Systems       Personal Computers
|                Consulting and Systems Integration
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```

532. [aprssig] APRS ATV

From: "Joe Della Barba" <joe@dellabarba.com>
Date: Sat, 19 Jan 2002 16:48:42 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-58048-2002.01.19-16.20.43--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

```
Some friends of mine with R/C airplanes have the following question:
Is there a small ATV transmitter that would send video and APRS data over
the audio portion of the signal?
Thanks,
```

Joe
73 DE N3HGB

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---

533. [aprssig] Lee, N5LYT

From: "Brent Hildebrand" <bhildebrand@earthlink.net>
Date: Sat, 19 Jan 2002 14:13:01 -0800
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-58059-2002.01.19-16.44.40--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Lee - if you are subscribed to this list, contact me off list please. Of if any one has a valid Email Address for Lee, please forward it along, thanks. Brent KH2Z

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---

534. [aprssig] PCSAT.EXE program

From: Bob Bruninga <bruninga@usna.edu>
Date: Sat, 19 Jan 2002 17:48:09 -0500 (EST)
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-58068-2002.01.19-17.18.13--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

I just updated my DOS telemetry program for PCsat and posted it on:

ftp://tapr.org/aprssig/dosstuff/APRSdos/pcsat000.zip

I added satelltie tracking to it, so you can see when the satellites will
be in view and so you can run just this one program for predictions,
telemetry display and communicating via PCsat. It does not do maps.

For normal PCsat ops, you are probablly better off running your normal
APRS program or my APRStk, but this one is tailored to PCsat telemetry.

See the PCSAT.TXT with it..

de WB4APR@amsat.org, Bob

```
PCsat WEB  page     http://www.ew.usna.edu/~bruninga/pcsat.html
ISS-APRS FAQ:       http://www.ew.usna.edu/~bruninga/iss-faq.html
CUBESAT Designs     http://www.ew.usna.edu/~bruninga/cubesat.html
APRS LIVE pages     http://www.ew.usna.edu/~bruninga/aprs.html
APRS SATELLITES     http://www.ew.usna.edu/~bruninga/astars.html
MIM/Mic-E/Mic-Lite  http://www.toad.net/~wclement/bruninga/mic-lite.html
```

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---

535. [aprssig] Re: APRS ATV

From: "Clark A. Lowry N7AAC" <clark@wd.org>
Date: Sat, 19 Jan 2002 16:36:22 -0700
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: mgray@ess-us.com, APRS Special Intrest Group <aprssig@lists.tapr.org>
Message-ID: <LYR842-58070-2002.01.19-18.06.39--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

>Some friends of mine with R/C airplanes have the following question:
>Is there a small ATV transmitter that would send video and APRS data over
>the audio portion of the signal?
>Thanks,
>Joe
>73 DE N3HGB
>

Mike Gray KD7LMO has been building the micro beacon for APRS and the
ATV system that we use in our Arizona Near Space Research balloon
flights. I believe that he is in the process of building an ATV

equipped R/C airplane. Perhaps he can answer your questions.

mailto: mgray@ess-us.com

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Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

536. [aprssig] Re: APRS ATV

From: JD Delancy <W1JD@arrl.net>
Date: Sat, 19 Jan 2002 18:46:53 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: WA3YUV <wa3yuv@erols.com>
Message-ID: <LYR842-58072-2002.01.19-18.20.43--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Joe

I think you live in or around Annapolis MD. You might want to give Vic Curtis, WA3YUV, a call on the 147.15 repeater in Brandywine. He's been "playing" with ATV and R/C airplanes for a while now and gave the local radio club a talk about it last spring including samples of his work.

jd

"Clark A. Lowry N7AAC" wrote:
>
>Some friends of mine with R/C airplanes have the following question:
>Is there a small ATV transmitter that would send video and APRS data over
>the audio portion of the signal?
>Thanks,
>Joe
>73 DE N3HGB

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537. [aprssig] Re: APRS ATV

From: "Ronald Reams" <wa4mjf@worldnet.att.net>
Date: Sat, 19 Jan 2002 19:05:20 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-58075-2002.01.19-18.36.07--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Check with MFJ for a small 70 cm
ATV transmitter that runs on a 9 VDC
battery.

If audio a must, then check with PC Electronics.

73 de Ronnie

----- Original Message -----
From: "Joe Della Barba" <joe@dellabarba.com>
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Sent: Saturday, January 19, 2002 16:48
Subject: [aprssig] APRS ATV

Some friends of mine with R/C airplanes have the following question:
Is there a small ATV transmitter that would send video and APRS data over
the audio portion of the signal?
Thanks,
Joe
73 DE N3HGB

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538. [aprssig] FM Satellites for week of 20 Jan

From: Bob Bruninga <bruninga@usna.edu>
Date: Sun, 20 Jan 2002 08:58:59 -0500 (EST)
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: <amsat-bb@amsat.org>
Message-ID: <LYR842-58119-2002.01.20-08.29.07--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Mobile/FM Satellite Pass Periods for the week of 01-20-2002...

Use this information to plan your mobile satellite operations during commuting and distant travels. The *'s indicate at least 2 or more brief passes during the time frame indicated.

```
NORTHERN Hemisphere (local SUN time for Mid Latitudes)
Sats 06 07 08 09 10 11 12 13 14 15 16 17 18 19 20 21 22 23 00 01 02 03
---- -- -- -- -- -- -- -- -- -- -- -- -- -- -- -- -- -- -- -- -- -- --
ISS_  **  *                                    ** ********************
UO22 *******                      ***********
AO27     **********                       **********
UO14        **********                      **********
PCsat**** **           ***************                              **
Saph *****             **************                                *
```

```
SOUTHERN Hemisphere (local sun time mid latitudes)
Sats 06 07 08 09 10 11 12 13 14 15 16 17 18 19 20 21 22 23 00 01 02 03
---- -- -- -- -- -- -- -- -- -- -- -- -- -- -- -- -- -- -- -- -- -- --
ISS_         ** ************************ ** *
UO22 ****                             **********
AO27 ***********                             **********
UO14    ***********                            ***********
PCsat                            **************            ***********
Saph                             ***************           ***********
```

OPERATING FREQUENCIES:

SAT	DOWNLNK	UPLINK	S	MODE	COMMENTS
UO11	145.825		4	R FM Bell202 ASCII	Telemetry only
UO14	435.070	145.975	4	J FM Voice rptr	lots of fun every pass
AO27	436.795	145.850	3	J FM Voice rptr	days only but fun
UO22	435.120	145.900	3	J 9600 bd UI DIGI	ON
PCSAT	145.827	145.827	7	P 1200 bd UI DIGI	ON
PCSAT	144.39		7	P 1200 bd UI DIGI	ON over North America
SAPP	437.095	TBD	4	P 1200 baud packet	Downlinking only Posit for now
OPAL	437.100	437.100	1	P 9600 bd UI DIGI	ON but hard to hit and hear

The S column is a relative signal strength subjective receive assessment based on using a 1/4 wave 20" whip on the roof of your car. This antenna is about the best for satellite mobile unless you want to carry a beam.

USING A 20" WHIP VERTICAL WHIP ON YOUR ROOF:
As a rough approximation consider this table which I have subjectively determined after 3 months of daily monitoring. Home stations with 50' of RG 8 should subtract abt 3 from the signals and 5/8 or dual band, or "gain" antennas should also subtract about 2.

There are lots of satelltes lots of times throughout the day. If you are stuck in your car, enjoy them!

SIG	RECEIVE RANGE
9	Horizon to Horizon
8	5 deg and above
7	10 deg and above
6	15 deg and above
5	20 deg and above
4	25 deg and above
3	30 deg and above
2	3 ele beam
1	6 ele beam required

MOBILE TRACKING DATA:
The AZ and frequencies of satellites in view are transmitted to mobiles once a minute on the local APRS 144.39 frequency if there is a local APRSDATA server in your area. Also a satellite schedule for the next 80 minutes is transmitted once every 10 minutes. If you have the Kenwood D7 or D700 integrated APRS radio, this information will be flashed on your front panel or spoken to you so you can't miss it... See SAT-INFO web page below:

SAT INFO: http://www.ew.usna.edu/~bruninga/satinfo.htm
PCsat WEB page   http://www.ew.usna.edu/~bruninga/pcsat.html
ISS-APRS FAQ: http://www.ew.usna.edu/~bruninga/iss-faq.html

MOBILE SATELLITES   http://www.ew.usna.edu/~bruninga/astars.html

de WB4APR, Bob

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539. [aprssig] ISS Status?

From: "Robert M. Butts" <kb5yqh@arrl.net>
Date: Sun, 20 Jan 2002 10:27:58
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-58141-2002.01.20-10.57.59--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Has anyone copied an ISS pass lately?

ariss.net shows the latest traffic as of 2 days ago and this morning's 0620-0630 (central) pass was quiet. I assume that the UI digi hasn't been turned back on.

Bob, KB5YQH
Ft Leavenworth, KS

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540. [aprssig] Another AVRS (IRLP<==>APRS) idea

From: Bob Bruninga <bruninga@usna.edu>
Date: Sun, 20 Jan 2002 12:22:08 -0500 (EST)
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: IRLP <irlp@irlp.net>
Message-ID: <LYR842-58144-2002.01.20-11.52.23--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Another AVRS (APRS<==>IRLP) idea:

On our AVRS node, we want to have a second PTT output connected to a 144.39 XMTR with "VOICE-ALERT" PL100. THus the IRLP software will pull this PTT low whenever it makes an incoming call announcement.

Then those of us driving around with "APRS Voice Alert" (a radio monitoring 144.39 muted with CTCSS 100), will have a free alert system for letting us know when someone in the world is calling us and we can QSY to the unused IRLP frequency to recive our call.

Since I do not know all the voice announcements available on an IRLP node, I assume there is a subset that would be suitable for "Voice Alerts" and those that are not. (We want to minimize any QRM on 144.39 except for the most essential). There should be a bit with each announcement which indicates if it should include the AVRS PTT or not.

ALso, this IRLP software should have a second CARRIER DETECT input from the 144.39 Xcvr as well so that it will not make the annuocement until the data channel clears...

This idea is by no means a receommended application in other areas. But in those areas where it is useful, it can be a very good option. Eventually, I would expect to have a dedicated LOCAL AVRS (APRS/IRLP) channel that will provide the APRS "Voice Alert" mobiles with all the APRS connectivity and IRLP stuff on one local channel (AVRS) so that we get out just one radio band. But until we reach that state of AVRS maturity, this dual PTT conecpt integrated with existing "Voice Alert" can be a good local option in the transition phase...

WB4APR@amsat.org, Bob

AVRS Web Page: http://www.ew.usna.edu/~bruninga/avrs.html
APRS LIVE pages   http://www.ew.usna.edu/~bruninga/aprs.html
APRS SATELLITES   http://www.ew.usna.edu/~bruninga/astars.html

---
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541. [aprssig] PCSAT Notes

From: Bob Bruninga <bruninga@usna.edu>
Date: Sun, 20 Jan 2002 12:36:52 -0500 (EST)
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-58145-2002.01.20-12.07.08--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Some stations are doing a great job of taking the PCsat-1 bulletins, translating them into other languages and re-transmitting them on APRS in their country. I think this is a great service!

But due to the global nature of the APRS network, our Telemetry logging program also sees them here as well. Thus our telemetry logs are filling up with multiple copies of packets which were not actually generated by PCSAT-1 iteself. If I could suggest that it would help us if you used the generic callsign of PCSAT instead of the -1 SSID, so our telemetry logging programs can tell the difference. Thanks.

Its hard to get used to the fact that a local APRS packet anywhere, generally goes global everywhere...

Thanks. And thanks for your initiative in providing a useful service to those in your country. Someone on each continent might also consider putting up an APRStk Satellite server that will transmit satellite position pcakets via each digipeating satellite (ISS, PCsat, Sapphire, Opal and UO-22). So that mobiles can see on their radio front panel or mobile APRS system where the satellite is.

Contact me for details or see the satinfo web page.

For the last year, we have had one APRStk station on the East and West coasts of the USA providing this service to all satellite mobiles in the USA...

de WB4APR@amsat.org, Bob

SAT-INFO PAGE:	http://www.ew.usna.edu/~bruninga/satinfo.html
PCsat WEB page	http://www.ew.usna.edu/~bruninga/pcsat.html
ISS-APRS FAQ:	http://www.ew.usna.edu/~bruninga/iss-faq.html
APRS SATELLITES	http://www.ew.usna.edu/~bruninga/astars.html

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Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

542. [aprssig] Ideas need on how to.....(APRSTK releated)

From: Dave Kaplan <dkaplan@steffeninc.com>
Date: Sun, 20 Jan 2002 11:52:03 -0600
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-58146-2002.01.20-12.22.12--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

I have recently purchased a second D7A(G) so I could install Bob's APRSTK ftp://ftp.tapr.org/aprssig/dosstuff/APRSdos/aprstk.zip tracking program and be able to provide a full time feed to the Internet of satellite.

I have built Bob's "PRACTICAL ROTATOR SYSTEM (APRS)®" http://web.usna.navy.mil/~bruninga/rotator.html purchased at Dayton this year, but been unable to install it yet first due to me being busy for a few weeks after 9/11 and secondly due to Iowa winter and my all metal roof that slopes at 25 degrees. Currently there is a Cushcraft V-42 VHF/UHF installed feeding the D7A(G).

What I have learned is that APRSTK has no built in interface to be able to feed the data I receive to the Internet. For my home 24/7 APRS station I am running APRS+SA. I asked Brent to consider making a enhancement to the APRS+SA to allow for a second radio input but he has declined (I'm not complaining). He did suggest that I try KipSS but I have been unable to figure out how to do what I want with it.

Other than having APRSTK digi the signal so my other antenna (20 ft away)

can receive it and feed the Internet, does anyone have any other solution
or have I missed anything stupidly obvious?

Dave
WB0WNX
Sioux City, IA EN12tm

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543. [aprssig] AFilter and Alogger Updates

From: "Dick Stanich" <dick@kb7zva.com>
Date: Sun, 20 Jan 2002 12:7:29
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-58148-2002.01.20-12.37.35--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

The latest version of AFilter is v2.6.9. Alogger is a very cool program to
log anything on APRS. Has built in icons and even a serial port hook up.

http://kb7zva.com

Dick, KB7ZVA
AHubWest

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Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

544. [aprssig] Weird RADAR...

From: Earl Needham <needhame@yucca.net>
Date: Sun, 20 Jan 2002 11:32:09 -0700
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-58150-2002.01.20-13.02.22--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Take a look at http://www.findu.com/cgi-bin/find.cgi?call=kd5xb-2&radar=FDX

I guess there's a lot of dust in the air...or something...certainly no clouds.

7 3
Earl

****
Earl Needham, KD5XB mailto:needhame@yucca.net
Clovis, New Mexico
KD5XB-2>APU24L,WA5IHL-11,K5BEN-15,WA5IHL-7,W5SF-1,K5CQH-15,WB5EKP-1*,TRACE7-
1:=3425.84N/10313.56W-[DM84]
Pet peeve #1: You look at a "SITE" with your "SIGHT".
Pet peeve #2: "Congratulations" does NOT have a "d" in it.
Old pet peeve: People who get themselves on a mailing list and then can't
figure out how to get OFF the list, then repeatedly sending "unsubscribe"
or "remove" as one-word messages to the list.

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545. [aprssig] Re: Weird RADAR...

From: Robbie Robertson <mwrobertson@attbi.com>
Date: Sun, 20 Jan 2002 12:51:21 -0600
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: TAPR APRS Special Interest Group <aprssig@lists.tapr.org>
Message-ID: <LYR842-58151-2002.01.20-13.20.47--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Hi Earl,

At nights here around Chicago this happens as the dew or moisture
content goes up and the radar has more to bounce rf back, could
that be the case there?

```
Robbie

Earl Needham wrote:
>
>         Take a look at http://www.findu.com/cgi-bin/find.cgi?call=kd5xb-2&radar=FDX
>
>         I guess there's a lot of dust in the air...or something...certainly no clouds.
>
>         7 3
>         Earl
>
> *********************************************************
> Earl Needham, KD5XB mailto:needhame@yucca.net
> Clovis, New Mexico
> KD5XB-2>APU24L,WA5IHL-11,K5BEN-15,WA5IHL-7,W5SF-1,K5CQH-15,WB5EKP-1*,TRACE7-
> 1:=3425.84N/10313.56W-[DM84]
> Pet peeve #1: You look at a "SITE" with your "SIGHT".
> Pet peeve #2: "Congratulations" does NOT have a "d" in it.
> Old pet peeve: People who get themselves on a mailing list and then can't
> figure out how to get OFF the list, then repeatedly sending "unsubscribe"
> or "remove" as one-word messages to the list.
>
> ---
> You are currently subscribed to aprssig as: mwrobertson@attbi.com
> To unsubscribe send a blank email to leave-aprssig-842K@lists.tapr.org
> Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

--

- Robbie Robertson -
...-.- wa9inf ...-.-

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Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org
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546. [aprssig] Re: Weird RADAR...

From: Earl Needham <needhame@yucca.net>
Date: Sun, 20 Jan 2002 11:55:57 -0700
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-58152-2002.01.20-13.26.34--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

```
At 12:51 PM 1/20/2002 -0600, Robbie Robertson wrote:
>Hi Earl,
>
>At nights here around Chicago this happens as the dew or moisture
>content goes up and the radar has more to bounce rf back, could
>that be the case there?

         Actually, it's really DRY here, and the wind is blowing pretty
hard.  I suspect it's the dust in the air.  visibility 4+ hours ago was
over 100 miles, it's now down to perhaps 10 or 20.

         7 3
         Earl


*********************************************************
Earl Needham, KD5XB mailto:needhame@yucca.net
Clovis, New Mexico
KD5XB-2>APU24L,WA5IHL-11,K5BEN-15,WA5IHL-7,W5SF-1,K5CQH-15,WB5EKP-1*,TRACE7-
1:=3425.84N/10313.56W-[DM84]
Pet peeve #1: You look at a "SITE" with your "SIGHT".
Pet peeve #2: "Congratulations" does NOT have a "d" in it.
Old pet peeve: People who get themselves on a mailing list and then can't
figure out how to get OFF the list, then repeatedly sending "unsubscribe"
or "remove" as one-word messages to the list.


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```

---

547. [aprssig] Re: Weird RADAR...

From: Jack & Carolyn Cavanagh <cjcav@earthlink.net>
Date: Sun, 20 Jan 2002 14:50:57 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-58158-2002.01.20-14.21.04--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

```
Dust has a very low radar cross-section.  Even snow is hard to see.
If the air is very dry and there is no cloud return the radar AGC will
open up and it could be ground clutter.

  On the other hand, I noticed Roswell to the south and west.  It could
be another government cover-up ;-)
Jack, KB4XF

---
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```

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548. [aprssig] Re: TOPO! / Street Atlas / TopoUSA / multiple GPS displays

From: k5qq@juno.com
Date: Sun, 20 Jan 2002 13:08:25 -0700
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: aprssig@lists.tapr.org
Message-ID: <LYR842-58160-2002.01.20-14.45.15--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

```
On Sat, 19 Jan 2002 14:37:20 EST WA8LMF2@aol.com writes:
> In a message dated 1/19/02 8:03:35 AM Pacific Standard Time,
> k5qq@juno.com
> writes:
>
>> The work by Brent on APRS+ and Steve and Mark on ATM has given our
>> SAR team a fantastic capability to plot our resources both on Delorme
>> Street Atlas maps and on All Topo Maps.  Two GREAT products!!
>>
>
> What's the possibility of having Steve's middleware work with
> Delorme's TopoUSA 3.0?

No that won't work.  The small program Steve wrote is integrally linked
into the ATM executable and thus will not work with other programs.
When it runs, there is no screen or other display per se'.   You set a
series
of switches in a batch file to start it after you have APRS+ and
ATM running.  Then the data is moved via TCPIP from APRS+ into the
ATM program where an include statement in the ATM waypoint file allows
you to use the APRS+ tracking data.   Bottom line is the program is of
no value unless you are specifically using ATM and APRS+

Jim  K5QQ
________________________________________________________________
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Juno offers FREE or PREMIUM Internet access for less!
Join Juno today!  For your FREE software, visit:
http://dl.www.juno.com/get/web/.

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```

---

549. [aprssig] Re: Street Atlas / TopoUSA / multiple GPS displays

From: k5qq@juno.com
Date: Sun, 20 Jan 2002 13:14:42 -0700
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: aprssig@lists.tapr.org
Message-ID: <LYR842-58161-2002.01.20-14.45.25--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

```
On Sat, 19 Jan 2002 14:37:20 EST WA8LMF2@aol.com writes:
> BTW,  I discovered you can use APRSplus and run SA's native green
> arrow GPS
> tracking at the same time.    Feed the GPS data stream directly into
> Street
> Atlas though  a serial port other than ones being used by APRSplus,
> and start
> SA's own GPS track routines.  You will see the native SA green
> arrows, and
> Brent's data from APRSplus at the same time.
```

You may have already discovered this but for others who might be interested in your application of APRS+ and Street Atlas running concurrently, I offer the following.

In APRS+, SETUP, PROGRAM, it is possible to 'reserve' an instance of SA. Thus you can have two copies of Street Atlas running. One taking in your GPS data and plotting your position and the other copy being driven by APRS+. The reserving on an instance of SA prevents the APRS+ maps from disturbing the first copy of Street Atlas which is plotting your position. Thus any zooming, changing maps, etc on either map do not affect the other map. There are a lot of instances where this is very handy.

Jim K5QQ

____
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---

550. [aprssig] Re: Weird RADAR...

From: dale huguley <kg5qd@earthlink.net>
Date: Sun, 20 Jan 2002 16:12:01 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-58168-2002.01.20-15.51.07--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

On Sunday 20 January 2002 01:32 pm, Earl Needham wrote:

> Take a look at http://www.findu.com/cgi-bin/find.cgi?call=kd5xb-2&radar=FDX
>
> I guess there's a lot of dust in the air...or something...certainly no
> clouds.
>

Cannon AFB Radar was in clear air mode- scale changes to top reflectivity at only 28 dbz - in precipitation mode the top is 75 dbz. The radar will change to this mode after a period of no precipitation. Here in South Florida you can actually pick out the sea breeze line in clean air mode.

73 de kg5qd Dale

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---

551. [aprssig] D700A "Emergency!" Bug?

From: "Stephen M. King" <frastephen@home.com>
Date: Sun, 20 Jan 2002 16:33:29 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-58169-2002.01.20-16.03.38--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

This afternoon someone on the local network set the Position Comment on their dumb (shouldn't it be "deaf"? HI) tracker to "Emergency!". The alarm went off on my D700A, but then about 30 seconds later the radio did a power-down.
At first I thought it might have been because I knocked a connection loose when I hit the "Detail" button on the control head, but it happened every time I got the position packet with the "Emergency!" position comment. This happened about 5 or 6 times.
Anybody notice this behavior before? Is it a known bug?

Peace and 73,
Stephen
W3SMK

P.S. I hope the station sending this was not in any real trouble! I tried messaging him, but again, he was using a "deaf" tracker ...

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552. [aprssig] Re: Weird RADAR...

From: Earl Needham <needhame@yucca.net>
Date: Sun, 20 Jan 2002 15:31:58 -0700
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-58170-2002.01.20-17.03.56--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

At 04:12 PM 1/20/2002 -0500, dale huguley wrote:
>On Sunday 20 January 2002 01:32 pm, Earl Needham wrote:
> > Take a look at http://www.findu.com/cgi-bin/find.cgi?call=kd5xb-2&radar=FDX
> >
> > I guess there's a lot of dust in the air...or something...certainly no
> > clouds.
> >
>
>
>Cannon AFB Radar was in clear air mode- scale changes to top reflectivity at
>only 28 dbz - in precipitation mode the top is 75 dbz. The radar will change
>to this mode after a period of no precipitation. Here in South Florida you
>can actually pick out the sea breeze line in clean air mode.

So I've been told, but it isn't Cannon -- it's a little community called Field.

Thanks,
Earl

****
Earl Needham, KD5XB mailto:needhame@yucca.net
Clovis, New Mexico
KD5XB-2>APU24L,WA5IHL-11,K5BEN-15,WA5IHL-7,W5SF-1,K5CQH-15,WB5EKP-1*,TRACE7-1:=3425.84N/10313.56W-[DM84]
Pet peeve #1: You look at a "SITE" with your "SIGHT".
Pet peeve #2: "Congratulations" does NOT have a "d" in it.
Old pet peeve: People who get themselves on a mailing list and then can't
figure out how to get OFF the list, then repeatedly sending "unsubscribe"
or "remove" as one-word messages to the list.

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553. [aprssig] Re: Ideas need on how to.....(APRSTK releated)

From: K3for@aol.com
Date: Sun, 20 Jan 2002 18:08:46 EST
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: <aprssig@lists.tapr.org>
Message-ID: <LYR842-58175-2002.01.20-17.39.03--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

>>What I have learned is that APRSTK has no built in interface to be able to feed the data I receive to the Internet.

>>Other than having APRSTK digi the signal so my other antenna (20 ft away) can receive it and feed the Internet, does anyone have any other solution
or have I missed anything stupidly obvious?

It's not stupid, but you can do something I've been doing for two years now. Make a Y in the serial data, to pass receive data *ONLY* coming from the D7/TNC and feed it to your I-gating computer in parallel, running something such as APRS+SA. SA will I-gate the heard packets, but will not be able to control the TNC, since the TNC can't hear anything from the second computer (you don't Y the transmit data line.) The first computer talks to and listens to the TNC (and in the case of APRStk and a D7, controls the radio modes and frequencies.)

The only thing you should verify is that your gating software only passes valid packets on to the Internet. This is because your second computer will also hear ASCII text that is the TNC responding to commands from the first computer (such as "unproto was NOCALL" when APRStk sets the new TOCALL for each satellite), not just valid received packets from the TNC.

73 and let me know if you have more questions,
Skip/K3FOR
Annapolis

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---

554. [aprssig] Re: Ideas need on how to.....(APRSTK releated)

From: Bob Bruninga <bruninga@usna.edu>
Date: Sun, 20 Jan 2002 18:09:21 -0500 (EST)
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: TAPR APRS Special Interest Group <aprssig@lists.tapr.org>
Message-ID: <LYR842-58176-2002.01.20-17.39.48--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

On Sun, 20 Jan 2002, Dave Kaplan wrote:

> I have recently purchased a second D7A(G) so I could install Bob's APRSTK
> ftp://ftp.tapr.org/aprssig/dosstuff/APRSdos/aprstk.zip tracking program
> and be able to [automatically track and tune] the satellites [as well as
> capture all APRS packets from them]...
>
> What I have learned is that APRSTK has no built in interface to be able to
> feed the data I receive to the Internet.

K3FOR does it by just diode-ORing the RS-232 from his APRStk TNC (The D7)
with the output from his 144.39 TNC both into his IGate software...

There is potential for collision, but it is low.

If the APRS channel is at 20% (optimum for an ALOHA channel) and the
serial ports are both at 9600, then the serial port is actually busy less
than 3% of the time. And PCsat is only in view about 3% of the time but
only has data 10% of that, so the chance of collision with your normal
IGate feed is about 1% and the potential for collision with PCsat packets
are about 3%.

But it gets you started. I think WinAPRS may take two TNC's.
And Bill Diaz's AFILTER and/or ALOGGER supports a serial port input too..

But you are right, the best way is to find an APRS Igate software that
will take two TNC's (and will filter out all of the TNC commands from the
feed)...

de WB4APR, bob

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---

555. [aprssig] Re: Ideas need on how to.....(APRSTK releated)

From: Bob Bruninga <bruninga@usna.edu>
Date: Sun, 20 Jan 2002 18:42:20 -0500 (EST)
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: TAPR APRS Special Interest Group <aprssig@lists.tapr.org>
Message-ID: <LYR842-58177-2002.01.20-18.12.42--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

When you combine two data sources (the output of two TNC's for example)
you must diode isolate them. Then put a 15k resistor across the diodes to
provide adequate pull down for it all to work fine...

Sometimes you may get lucky and it will work without the diodes, but I
would be amszed at that and it is one chance in dozens..

Bob
 On Sun, 20 Jan 2002
K3for@aol.com wrote:

> >>What I have learned is that APRSTK has no built in interface to be able to feed the data I receive to the Internet.
>
> >>Other than having APRSTK digi the signal so my other antenna (20 ft away) can receive it and feed the Internet, does anyone have any other solution

> or have I missed anything stupidly obvious?
>
> It's not stupid, but you can do something I've been doing for two years now. Make a Y in the serial data, to pass receive data *ONLY* coming from the D7/TNC and feed it to your I-gating computer in parallel, running something such as APRS+SA. SA will I-gate the heard packets, but will not be able to control the TNC, since the TNC can't hear anything from the second computer (you don't Y the transmit data line.) The first computer talks to and listens to the TNC (and in the case of APRStk and a D7, controls the radio modes and frequencies.)
>
> The only thing you should verify is that your gating software only passes valid packets on to the Internet. This is because your second computer will also hear ASCII text that is the TNC responding to commands from the first computer (such as "unproto was NOCALL" when APRStk sets the new TOCALL for each satellite), not just valid received packets from the TNC.
>
> 73 and let me know if you have more questions,
> Skip/K3FOR
> Annapolis
>
> ---
> You are currently subscribed to aprssig as: bruninga@usna.edu
> To unsubscribe send a blank email to leave-aprssig-842K@lists.tapr.org
> Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org
>

de WB4APR@amsat.org, Bob

PCsat WEB page	http://www.ew.usna.edu/~bruninga/pcsat.html
ISS-APRS FAQ:	http://www.ew.usna.edu/~bruninga/iss-faq.html
CUBESAT Designs	http://www.ew.usna.edu/~bruninga/cubesat.html
APRS LIVE pages	http://www.ew.usna.edu/~bruninga/aprs.html
APRS SATELLITES	http://www.ew.usna.edu/~bruninga/astars.html
MIM/Mic-E/Mic-Lite	http://www.toad.net/~wclement/bruninga/mic-lite.html

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---

556. [aprssig] Wiring Diagrams; Web Page Address ?

From: Matthew Stennett <WA4TKG@mediaone.net>
Date: Sun, 20 Jan 2002 20:02:56 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-58182-2002.01.20-19.33.02--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

What was the web page/site address that has
all the wiring diagrams of most transceivers ?
I had it before, but lost it when changing browser
versions.

MacRatt Matt

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557. [aprssig] Re: [ui-view] Updating a UI-view map with a weather radar image?

From: Earl Needham <needhame@yucca.net>
Date: Sun, 20 Jan 2002 18:03:02 -0700
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: aprssig@lists.tapr.org
Message-ID: <LYR842-58183-2002.01.20-19.33.30--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

At 05:04 PM 1/20/2002 -0500, Wcovey@aol.com wrote:
>Try this site. Works great. USWXRADAR
>
><http://www.qsl.net/kb2scs/>http://www.qsl.net/kb2scs/
>
>
>Bill, W1GTT

Interesting program, and I'd like to use it in WinAPRS. Anybody know where to get the .geo file? Or how to calculate what needs to be in it?

Thanks,

Earl

****
Earl Needham, KD5XB mailto:needhame@yucca.net
Clovis, New Mexico
KD5XB-2>APU24L,WA5IHL-11,K5BEN-15,WA5IHL-7,W5SF-1,K5CQH-15,WB5EKP-1*,TRACE7-1:=3425.84N/10313.56W-[DM84]
Pet peeve #1: You look at a "SITE" with your "SIGHT".
Pet peeve #2: "Congratulations" does NOT have a "d" in it.
Old pet peeve: People who get themselves on a mailing list and then can't
figure out how to get OFF the list, then repeatedly sending "unsubscribe"
or "remove" as one-word messages to the list.

---
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558. [aprssig] Re: Wiring Diagrams; Web Page Address ?

From: "Ronald Reams" <wa4mjf@worldnet.att.net>
Date: Sun, 20 Jan 2002 20:13:49 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-58184-2002.01.20-19.44.37--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Do you mean bux commo????

----- Original Message -----
From: "Matthew Stennett" <WA4TKG@mediaone.net>
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Sent: Sunday, January 20, 2002 20:02
Subject: [aprssig] Wiring Diagrams; Web Page Address ?

What was the web page/site address that has
all the wiring diagrams of most transceivers ?
I had it before, but lost it when changing browser
versions.

MacRatt Matt

---
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559. [aprssig] BUX CommCo RF Connectors, Antennas, Radios, Electronic Components and Parts

From: "Ronald Reams" <wa4mjf@worldnet.att.net>
Date: Sun, 20 Jan 2002 20:15:06 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: "Matthew Stennett" <WA4TKG@mediaone.net>
Message-ID: <LYR842-58186-2002.01.20-19.46.06--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

http://www.buxcommco.com/
[Attachment: BUX CommCo RF Connectors, Antennas, Radios, Electronic Components and Parts.url; application/octet-stream; 122 bytes

560. [aprssig] Re: [ui-view] Updating a UI-view map with a weather radar image?

From: Earl Needham <needhame@yucca.net>
Date: Sun, 20 Jan 2002 18:38:26 -0700
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-58190-2002.01.20-20.08.44--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

At 06:03 PM 1/20/2002 -0700, Earl Needham wrote:
>At 05:04 PM 1/20/2002 -0500, Wcovey@aol.com wrote:
> >Try this site. Works great. USWXRADAR
> >
> ><<http://www.qsl.net/kb2scs/>http://www.qsl.net/kb2scs/>http://www.qsl.ne
> t/kb2scs/
> >

> >
> >Bill, W1GTT
>
>   Interesting program, and I'd like to use it in WinAPRS. Anybody
>know where to get the .geo file? Or how to calculate what needs to be in it?
>
>   Thanks,
>   Earl

Took me a bit, and I was confused for a while, but I believe I have it figured out.

Thanks,
Earl

****
Earl Needham, KD5XB mailto:needhame@yucca.net
Clovis, New Mexico
KD5XB-2>APU24L,WA5IHL-11,K5BEN-15,WA5IHL-7,W5SF-1,K5CQH-15,WB5EKP-1*,TRACE7-1:=3425.84N/10313.56W-[DM84]
Pet peeve #1: You look at a "SITE" with your "SIGHT".
Pet peeve #2: "Congratulations" does NOT have a "d" in it.
Old pet peeve: People who get themselves on a mailing list and then can't
figure out how to get OFF the list, then repeatedly sending "unsubscribe"
or "remove" as one-word messages to the list.

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561. [aprssig] RE: D700A "Emergency!" Bug?

From: "Kent Hufford" <khufford1@comcast.com>
Date: Mon, 21 Jan 2002 00:38:31 -0000
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-58191-2002.01.20-20.10.34--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

I received the same "EMERGENCY". That is the first one I've seen.. REALLY
gets your attention.

My D700 did NOT power-down. Just kept working.

-----Original Message-----
From: bounce-aprssig-2040@lists.tapr.org
[mailto:bounce-aprssig-2040@lists.tapr.org]On Behalf Of Stephen M. King
Sent: Sunday, January 20, 2002 21:33 PM
To: TAPR APRS Special Interest Group
Subject: [aprssig] D700A "Emergency!" Bug?

This afternoon someone on the local network set the Position Comment on
their dumb (shouldn't it be "deaf"? HI) tracker to "Emergency!". The alarm
went off on my D700A, but then about 30 seconds later the radio did a
power-down.
At first I thought it might have been because I knocked a connection loose
when I hit the "Detail" button on the control head, but it happened every
time I got the position packet with the "Emergency!" position comment. This
happened about 5 or 6 times.
Anybody notice this behavior before? Is it a known bug?

Peace and 73,
Stephen
W3SMK

P.S. I hope the station sending this was not in any real trouble! I tried
messaging him, but again, he was using a "deaf" tracker ...

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---

562. [aprssig] Re: Kenwood TM-D700

From: "Douglas Nicholson" <dbnichol@yrmc.org>
Date: Sun, 20 Jan 2002 18:48:32 -0700
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-58192-2002.01.20-20.19.02--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Hi Henry, not sure if your are just trying to program freqs or use it for displaying data as in APRS use through a PC.

What we found out after much fustration, if you are going to use the D700 to read data like for win aprs. The D700 "must be in Packet" mode and not in the "APRS" to work properly. When using the D700 in conjuction with a PC have the D700 in the Packet mode.

We, as a SAR group, here in AZ where going nuts trying to get the D700 to interface with a notebook PC. Till someone pointed this out.

good luck
Douglas

>>> "Doug Henry" <dhenry@skyweb.ca> 01/15/02 09:52PM >>>
I'm looking for some tips to get the Kenwood MCP-D700 software to work with my new TM-D700. I'm using a DB-9 null modem cable between the radio and computer. I'm connected to Com1 with the following parameters:
Bits per Second: 9600 (I've tried the other transfer rate options too)
Data Bits: 8
Parity: None
Stop Bits: 1
Flow Control: Xon/Xoff (I've tried Hardware and None too)

The radio is setup as TNC APRS on Band A with VHF/UHF Ops on Band B. When I try to read data from the radio I get a window that says Reading Data from Radio but before anything happens it is replaced by a Communications Timeout Error message.

Tnx Doug
VE4TG

Outgoing mail is certified Virus Free.
Checked by AVG anti-virus system (http://www.grisoft.com).
Version: 6.0.314 / Virus Database: 175 - Release Date: 1/11/02

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---

563. [aprssig] Wiring Diagram Page Found; TX

From: Matthew Stennett <WA4TKG@mediaone.net>
Date: Sun, 20 Jan 2002 21:11:10 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-58196-2002.01.20-20.41.20--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

No further response is necessary;

TX everyone.

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Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

---

564. [aprssig] Re: Being clobbered on 30 m.

From: "Eric Mackie" <9z4cp@rave-tt.net>
Date: Sun, 20 Jan 2002 20:54:9
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-58198-2002.01.20-21.24.12--lyris.aprssig#tapr.org@lists.tapr.org>

Rendered body type: text/plain

On 01/15/02, "bclark@wxvanes.com" wrote:

> We are operating an APRS weather station in the Caribbean and are being clobbered by a S9+ "Woodpecker" signal on 10.151 mHz.
>
> Anyone out there know who or what this signal is?
>
> Thanks much,
>
> Brad Clark
>
> VP5WX

Hi Brad,
My apologies for the late reply, but I am now catching up on the SIG after being off for a few days. I have been operating an HF gateway from Trinidad for more than 2 years and that interference has been there from day 1, as far as I can remember. I have listened to it extensively and have found that there is more than one source of the noise. According to information available to me, it MAY be Over the Horizon Radar, which may be Russian in oigin. There is also another possibility and that is that it is commercial digital traffic of some kind. At times, it seems to me that it may be two stations talking to one another. Further to that, there is also a huge amount of interference from apparently illegal Voice comms on 10.050 USB. There is a large amount of traffic, apparently from South America on this frequency. Both of these sources cause me LOTS of interference on a daily basis and I believe that if we could shift downward a couple KC's we could eliminate much of the problem, but that's not my call. I hope this answers your question.

73's de Eric 9Z4CP.
9z4cp@rave-tt.net

---
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Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

---

565. [aprssig] Re: Being clobbered on 30 m.

From: Jeff Brenton <jeffb@csrye.org>
Date: Sun, 20 Jan 2002 21:09:42 -0600
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: aprssig <aprssig@tapr.org>
Message-ID: <LYR842-58200-2002.01.20-21.41.33--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

EM> there is also a huge amount of interference from apparently
EM> illegal Voice comms on 10.050 USB.

10.050 through 10.100 are internationally allocated to (voice) Air Traffic Control; are you saying 'illegal' as in 'not ATC'?

--

Jeff Brenton KA9VNV
Questionable web page: http://dididahdahdidit.com

---
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---

566. [aprssig] Re: Weird RADAR...

From: Gerry Creager N5JXS <gerry@cs.tamu.edu>
Date: Sun, 20 Jan 2002 23:08:14 -0600
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: TAPR APRS Special Interest Group <aprssig@lists.tapr.org>
Message-ID: <LYR842-58217-2002.01.20-23.37.03--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Aother consideration when one sees a lot of "stuff" resembling exagerated ground clutter, or wierd spokes, etc., emanating from a radar site, is a phenomenon called 'anomolous propagation.' In this case, a change in the index of refraction for the RF at radar frequencies can result in a marked extension of range, without an apparent change, an increase in ground clutter, a change wherein the radar returns are foreshortened, etc. This is the same phenomenon that causes "ducting"

or band-opennings at VHF and UHF, but is more graphically represented on
a radar PPI (yes, Dale, I'm showing my age!).

73, gerry n5jxs
--
dale huguley wrote:
>
> On Sunday 20 January 2002 01:32 pm, Earl Needham wrote:
> > Take a look at http://www.findu.com/cgi-bin/find.cgi?call=kd5xb-2&radar=FDX
> >
> > I guess there's a lot of dust in the air...or something...certainly no
> > clouds.
> >
>
> Cannon AFB Radar was in clear air mode- scale changes to top reflectivity at
> only 28 dbz - in precipitation mode the top is 75 dbz. The radar will change
> to this mode after a period of no precipitation. Here in South Florida you
> can actually pick out the sea breeze line in clean air mode.
--
Gerry Creager -- gerry@cs.tamu.edu
Network Engineering
Academy for Advanced Telecommunications and Learning Technologies
Texas A&M University 979.458.4020 (Phone) -- 979.847.8578 (Fax)

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567. [aprssig] Re: Weird RADAR...

From: "Glen Briggs (KB0RPJ) - aka wx" <wx@grundyec.net>
Date: Sun, 20 Jan 2002 23:15:11 -0600
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-58218-2002.01.20-23.45.29--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

likely could have been a temp inversion as well.. i've not seen the radar
in question, but it's highly possible

At 11:08 PM 1/20/2002, you wrote:
>Aother consideration when one sees a lot of "stuff" resembling
>exagerated ground clutter, or wierd spokes, etc., emanating from a radar
>site, is a phenomenon called 'anomolous propagation.' In this case, a
>change in the index of refraction for the RF at radar frequencies can
>result in a marked extension of range, without an apparent change, an
>increase in ground clutter, a change wherein the radar returns are
>foreshortened, etc. This is the same phenomenon that causes "ducting"
>or band-opennings at VHF and UHF, but is more graphically represented on
>a radar PPI (yes, Dale, I'm showing my age!).
>
>73, gerry n5jxs
>--
>dale huguley wrote:
> >
> > On Sunday 20 January 2002 01:32 pm, Earl Needham wrote:
> > > Take a look at
> http://www.findu.com/cgi-bin/find.cgi?call=kd5xb-2&radar=FDX
> > >
> > > I guess there's a lot of dust in the air...or something...certainly no
> > > clouds.
> > >
> >
> > Cannon AFB Radar was in clear air mode- scale changes to top
> reflectivity at
> > only 28 dbz - in precipitation mode the top is 75 dbz. The radar will
> change
> > to this mode after a period of no precipitation. Here in South Florida you
> > can actually pick out the sea breeze line in clean air mode.
>--
>Gerry Creager -- gerry@cs.tamu.edu
>Network Engineering
>Academy for Advanced Telecommunications and Learning
>Technologies
>Texas A&M University 979.458.4020 (Phone) -- 979.847.8578 (Fax)
>
>---

```
>You are currently subscribed to aprssig as: wx@grundyec.net
>To unsubscribe send a blank email to leave-aprssig-842K@lists.tapr.org
>Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

Thanks for your time,

Glen Briggs
IRC: wx  - DALnet & AustNET
E-Mail: wx@grundyec.net
ICQ: 1133850
http://www.qsl.net/kb0rpj/
KB0RPJ

---
who'd have known life could be so simple, yet so complex.
---



---
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Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org
```

---

568. [aprssig] Re: Weird RADAR...

From: Earl Needham <needhame@yucca.net>
Date: Sun, 20 Jan 2002 22:28:30 -0700
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-58220-2002.01.20-23.58.57--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

```
At 11:15 PM 1/20/2002 -0600, Glen Briggs (KB0RPJ) - aka wx wrote:
>likely could have been a temp inversion as well.. i've not seen the radar
>in question, but it's highly possible

         Nothing so fancy, I'm afraid.  The wind really kicked up this
morning around 9 or so and the air was full of dust.

         7 3
         Earl

>At 11:08 PM 1/20/2002, you wrote:
>>Aother consideration when one sees a lot of "stuff" resembling
>>exagerated ground clutter, or wierd spokes, etc., emanating from a radar
>>site, is a phenomenon called 'anomolous propagation.'  In this case, a
>>change in the index of refraction for the RF at radar frequencies can
>>result in a marked extension of range, without an apparent change, an
>>increase in ground clutter, a change wherein the radar returns are
>>foreshortened, etc.  This is the same phenomenon that causes "ducting"
>>or band-opennings at VHF and UHF, but is more graphically represented on
>>a radar PPI (yes, Dale, I'm showing my age!).
>>
>>73, gerry n5jxs


**********************************************************
Earl Needham, KD5XB mailto:needhame@yucca.net
Clovis, New Mexico
KD5XB-2>APU24L,WA5IHL-11,K5BEN-15,WA5IHL-7,W5SF-1,K5CQH-15,WB5EKP-1*,TRACE7-
1:=3425.84N/10313.56W-[DM84]
Pet peeve #1: You look at a "SITE" with your "SIGHT".
Pet peeve #2: "Congratulations" does NOT have a "d" in it.
Old pet peeve: People who get themselves on a mailing list and then can't
figure out how to get OFF the list, then repeatedly sending "unsubscribe"
or "remove" as one-word messages to the list.


---
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```

---

569. [aprssig] Can someone point me in the right direction?

From: "Cameron Summerhawk" <cameron_summerhawk@hotmail.com>
Date: Sun, 20 Jan 2002 22:39:26 -0700
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-58228-2002.01.21-00.09.34--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

I need the county maps that I had for winaprs a long time ago and can't seem
to find them. Can they be downloaded somewhere? If someone out there has the
files of the colorado county maps that are compatible with the aprs ce I
would like to hear from them.

Thanks for the information in advance.

Cameron Summerhawk (N0WRE)
Didi Summerhawk (KC0KTN)
Loveland Co

____
Chat with friends online, try MSN Messenger: http://messenger.msn.com

---
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570. [aprssig] Re: TOPO! / Street Atlas / TopoUSA / multiple GPS displays

From: Steve Slay <snslay@swbell.net>
Date: Mon, 21 Jan 2002 05:43:50 -0600
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-58244-2002.01.21-06.14.03--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

---part of the Original Message -----
From: <WA8LMF2@aol.com>
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>

> It's GPS track feature is MUCH
> nicer than SA's -- it doesn't use those fat chunky green arrows that cover up
> adjacent detail.

Are you aware there are 3 sizes of "fat chumky green arrows" to choose from in SA?

Steve Slay
KC5MVY
Where am I now? http://www.findu.com/cgi-bin/find.cgi?call=KC5MVY
Where have I been lately? http://www.findu.com/cgi-bin/track.cgi?call=KC5MVY
With weather RADAR http://www.findu.com/cgi-bin/find.cgi?call=KC5MVY&radar=LBB

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571. [aprssig] RE: D700A "Emergency!" Bug?

From: "Joe Della Barba" <joe@dellabarba.com>
Date: Mon, 21 Jan 2002 07:51:37 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-58246-2002.01.21-07.23.39--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

This answers some of my questions about a MAYDAY mode for my airmobile TTII.
Did anyone call 911 or something and say there was an emergency at XX
address?
If you all assume the emergency symbol is an error unless the station backs
it up with some other info it is about useless. If I have my PK-12 in
stand-alone mode or my TTII then I have no way to know if I am receiving a
message or to answer it.
73
Joe N3HGB

----- Original Message -----
From: "Kent Hufford" <khufford1@comcast.com>
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Sent: Sunday, January 20, 2002 7:38 PM
Subject: [aprssig] RE: D700A "Emergency!" Bug?

> I received the same "EMERGENCY". That is the first one I've seen.. REALLY

> gets your attention.
>
> My D700 did NOT power-down. Just kept working.
>
> -----Original Message-----
> From: bounce-aprssig-2040@lists.tapr.org
> [mailto:bounce-aprssig-2040@lists.tapr.org]On Behalf Of Stephen M. King
> Sent: Sunday, January 20, 2002 21:33 PM
> To: TAPR APRS Special Interest Group
> Subject: [aprssig] D700A "Emergency!" Bug?
>
>
> This afternoon someone on the local network set the Position Comment on
> their dumb (shouldn't it be "deaf"? HI) tracker to "Emergency!". The
alarm
> went off on my D700A, but then about 30 seconds later the radio did a
> power-down.
> At first I thought it might have been because I knocked a connection loose
> when I hit the "Detail" button on the control head, but it happened every
> time I got the position packet with the "Emergency!" position comment.
This
> happened about 5 or 6 times.
> Anybody notice this behavior before? Is it a known bug?
>
> Peace and 73,
> Stephen
> W3SMK
>
> P.S. I hope the station sending this was not in any real trouble! I
tried
> messaging him, but again, he was using a "deaf" tracker ...
>
>
>
> ---
> You are currently subscribed to aprssig as: KHUFFORD@EROLS.COM
> To unsubscribe send a blank email to leave-aprssig-842K@lists.tapr.org
> Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org
>
>
> ---
> You are currently subscribed to aprssig as: joe@dellabarba.com
> To unsubscribe send a blank email to leave-aprssig-842K@lists.tapr.org
> Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org
>

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---

572. [aprssig] Fwd: Oz Report, v6, #17, Bogong Cup - drizzle, OzGAP analysis, Kari clarifies, Swift?, APRS

From: Earl Needham <needhame@yucca.net>
Date: Mon, 21 Jan 2002 06:54:57 -0700
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-58249-2002.01.21-08.27.08--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

>APRS
>
>Russ Brown writes
>
>Here's an interesting next step for APRS:
><http://www.eham.net/articles/3037>http://www.eham.net/articles/3037
>
>Recently, Aussie APRS guru Darryl Smith (
><http://radio-active.net.au/gpsaprs/>http://radio-active.net.au/gpsaprs/)
>teamed up with computer graphics expert Bill Kovacs (
><http://www.rezn8.com/>http://www.rezn8.com) to demonstrate integration of
>high-quality 3D graphics with APRS trackers in real-time. (Bill Kovacs is
>a special effects Academy Award winner and founder of Wavefront.) Darryl
>has developed an innovative client/viewer in C++ that allows integration
>of APRS data along with dynamic 3D control of a virtual camera. This
>client contains a copy of the 3D database model as well as a Maya 3D
>real-time graphics engine.
>
>Their goal was to track APRS-equipped scooters real-time through the

>streets of Sydney, Australia and to stream this location data real-time to
>the client on fast PCs. There is certainly no reason that their work on
>scooters couldn't be adapted to hang gliders, whether it be competition,
>or as a unique publicity project for a club.
>
>As you can imagine, creating a robust 3D model of your local site would
>take a bit of work. It would probably require integration of aerial
>photography, digital elevation data and constructed geometries of close-up
>details such as trees, buildings and windsocks. The Kovacs organization
>uses "3D Studio Max" and "Alias/Wavefront Maya" software to create their
>models, but I'll bet that AC3D would also work and might be a great
>low-cost option for clubs.
>
>I can see the day when we don't just describe our flights, but we'll be
>able to allow the world to "follow along" in real-time on their own
>virtual gliders. Perhaps hang gliding clubs in British Columbia and
>Australia might become "sister clubs" and during their respective winter
>seasons, they might develop the models they could use in the summer. Then
>the guys suffering on the cold half of the planet could at least virtually
>fly!

7 3
Earl

****
Earl Needham, KD5XB mailto:needhame@yucca.net
Clovis, New Mexico
KD5XB-2>APU24L,WA5IHL-11,K5BEN-15,WA5IHL-7,W5SF-1,K5CQH-15,WB5EKP-1*,TRACE7-1:=3425.84N/10313.56W-[DM84]
Pet peeve #1: You look at a "SITE" with your "SIGHT".
Pet peeve #2: "Congratulations" does NOT have a "d" in it.
Old pet peeve: People who get themselves on a mailing list and then can't
figure out how to get OFF the list, then repeatedly sending "unsubscribe"
or "remove" as one-word messages to the list.

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---

573. [aprssig] "Emergency!" Message Code/Position Comment, WAS D700A "Emergency!" Bug?

From: "Stephen M. King" <frastephen@home.com>
Date: Mon, 21 Jan 2002 09:42:40 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-58251-2002.01.21-09.12.50--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

----- Original Message -----
From: "Joe Della Barba" <joe@dellabarba.com>

> This answers some of my questions about a MAYDAY mode for my airmobile
TTII.
> Did anyone call 911 or something and say there was an emergency at XX
> address?
> If you all assume the emergency symbol is an error unless the station
backs
> it up with some other info it is about useless. If I have my PK-12 in
> stand-alone mode or my TTII then I have no way to know if I am receiving a
> message or to answer it.

This is a really interesting question and point.

What exactly does the "Emergency" Message Code/position comment mean?

I searched the APRS spec and did not find an answer there ...

Perhaps someone can offer the "tribal memory" on this ...

Is there some protocol on this? I guess it depends on what this Code is
meant to be used for ...

If it is meant to be a distress call, it is one thing (which I would guess
it is not), but if it is meant to indicate the location of an Emergency it
is another...

This is the first time I encountered this code in use, and I was baffled as
to what I was supposed to do with this information. Beings the sending
station was a dumb tracker there was no way to know how to try to contact
him. Maybe this is a good application of Bob's PL 100 tone idea...

Also, I presume by the silence that no one has noticed a software bug with
how the D700 handles this message code.

Thanks!
Peace!
Stephen
W3SMK

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574. [aprssig] Re: Being clobbered on 30 m.

From: k5qq@juno.com
Date: Mon, 21 Jan 2002 07:34:46 -0700
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: aprssig@lists.tapr.org
Message-ID: <LYR842-58252-2002.01.21-09.17.27--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

On Sun, 20 Jan 2002 21:09:42 -0600 Jeff Brenton <jeffb@csrye.org> writes:
> EM> there is also a huge amount of interference from apparently
> EM> illegal Voice comms on 10.050 USB.
>
> 10.050 through 10.100 are internationally allocated to (voice) Air
> Traffic Control; are you saying 'illegal' as in 'not ATC'?
>

What I hear in NM right now are two guys on 10152.77 LSB just chatting
about something in spanish. I do not speak spanish but this is not ATC
type of converstations. There is laughter from time to time and the
conversation goes on and on and on.

On this topic, I would certainly recommend moving frequency to be more
conventionally in the band. My radio will not transmit when I have the
dial set at 10151.5 LSB as it thinks it is out of band.

Jim

____
GET INTERNET ACCESS FROM JUNO!
Juno offers FREE or PREMIUM Internet access for less!
Join Juno today! For your FREE software, visit:
http://dl.www.juno.com/get/web/.

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Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

575. [aprssig] Re: Being clobbered on 30 m.

From: "Eric Mackie" <9z4cp@rave-tt.net>
Date: Mon, 21 Jan 2002 8:58:11
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-58253-2002.01.21-09.28.18--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

----- Original Message -----
From: "Jeff Brenton" <jeffb@csrye.org>
To: "Eric Mackie" <9z4cp@rave-tt.net>
Cc: "aprssig" <aprssig@tapr.org>
Sent: Sunday, January 20, 2002 11:09 PM
Subject: Re: [aprssig] Re: Being clobbered on 30 m.

> EM> there is also a huge amount of interference from apparently
> EM> illegal Voice comms on 10.050 USB.
>
> 10.050 through 10.100 are internationally allocated to (voice) Air

> Traffic Control; are you saying 'illegal' as in 'not ATC'?
>
> --
>
> Jeff Brenton KA9VNV
> Questionable web page: http://dididahdahdidit.com
>

QSL Jeff,
There is normally lots of traffic, mostly in Spanish on this frequency.
While I do not speak Spanish, I do understand a bit and the conversations
are not ATC related. When I first started gating, I was getting
interference
and listened one morning. I heard someone speaking in English so I called
and they answered. He had no callsign, did not know what that was and said
he had been transmitting on the frequency for more than 5 years and no one
was going to move him. I also hear telephone tones from time to time and
it
appears that some one is patching on the frequency.

I hope this gives you a better idea of whats happening.

Best Regards,
Eric Mackie 9Z4CP.

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576. [aprssig] Impressions Regarding Street Pilot III?

From: "Bryan L Singer" <bsinger_74@yahoo.com>
Date: Mon, 21 Jan 2002 09:10:48 -0600
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-58256-2002.01.21-09.40.03--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

-----BEGIN PGP SIGNED MESSAGE-----
Hash: SHA1

Anyone had any experience with the Garmin Street Pilot III, as
applied to APRS? What are some initial impressions? I am thinking
of picking one of these units up for APRS work, and to support my
constant travelling.

I have seen comments where this unit at least does allow both NMEA in
and out, to allow Waypiont uploading from my TM-D700A, that is at
least some improvement over the past.

But, what is the deal with the DCA (Digital Coverage Area) and an
unlock code? Are you only allowed to unlock the City Navigator for
one area? How expensive is it to unlock for everywhere?

Regards,
Bryan (NA4AL)

-----BEGIN PGP SIGNATURE-----
Version: PGP Personal Security 7.0.3

iQA/AwUBPEwvdzht3rUFK8POEQI7GACguSTMsORlZk7ebR2xY0mXaVg2s9sAoLUQ
H9pNpfTuqoDt51XKM+K0grug
=uHdk
-----END PGP SIGNATURE-----

____

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Get your free @yahoo.com address at http://mail.yahoo.com

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Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

---

577. [aprssig] RE: Impressions Regarding Street Pilot III?

From: "Bryan L Singer" <bsinger_74@yahoo.com>
Date: Mon, 21 Jan 2002 09:31:30 -0600
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-58258-2002.01.21-10.00.42--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

-----BEGIN PGP SIGNED MESSAGE-----
Hash: SHA1

As he asks, from the unenlightened position of ignorance... I found the details on the DCA and unlock codes. OUCH, rather expensive. There are 10 DCA areas in the US and Canada. You get one with the unit, and can purchase additional DCA's for about $90. Or, you can purchase rights to all ten for ~$190.

So, that answers that question, but still interested in the groups impressions on using this device.

- -Bryan (NA4AL)

- -----Original Message-----
From: bounce-aprssig-27068@lists.tapr.org
[mailto:bounce-aprssig-27068@lists.tapr.org] On Behalf Of Bryan L Singer
Sent: Monday, January 21, 2002 9:11 AM
To: TAPR APRS Special Interest Group
Subject: [aprssig] Impressions Regarding Street Pilot III?

- -----BEGIN PGP SIGNED MESSAGE-----
Hash: SHA1

Anyone had any experience with the Garmin Street Pilot III, as applied to APRS? What are some initial impressions? I am thinking of picking one of these units up for APRS work, and to support my constant travelling.

I have seen comments where this unit at least does allow both NMEA in and out, to allow Waypiont uploading from my TM-D700A, that is at least some improvement over the past.

But, what is the deal with the DCA (Digital Coverage Area) and an unlock code? Are you only allowed to unlock the City Navigator for one area? How expensive is it to unlock for everywhere?

Regards,
Bryan (NA4AL)

- -----BEGIN PGP SIGNATURE-----
Version: PGP Personal Security 7.0.3

iQA/AwUBPEwvdzht3rUFK8POEQI7GACguSTMsORlZk7ebR2xY0mXaVg2s9sAoLUQ
H9pNpfTuqoDt51XKM+K0grug
=uHdk
- -----END PGP SIGNATURE-----

____

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-----BEGIN PGP SIGNATURE-----
Version: PGP Personal Security 7.0.3

iQA/AwUBPEw0UTht3rUFK8POEQLKlACgqcQQft2OQqGUzAQ4DDprT5PjXaoAoMFZ
jrTxsnG4Gsig75rgVB2Oe4vt
=ONJn
-----END PGP SIGNATURE-----

____

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578. [aprssig] RE: Impressions Regarding Street Pilot III?

From: "Bob Powers" <powersb@willinet.net>
Date: Mon, 21 Jan 2002 10:24:22 -0600
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-58259-2002.01.21-10.54.39--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

I use the SPIII and like it alot. There are what they call "Base Maps" loaded for all areas, so even if you don't buy all the City Navigator areas you still have maps of the areas. It has the main roads such as interstates etc.

You will find though that the City Navigator maps may be better for big cites but it isn't much better than the base maps for most areas. It is more up to date for those areas, but I prefer the more detailed Mapsource, which is another versions of maps they offer. It is more detailed, for the rural areas. You also get the whole country and don't have to buy areas.

The 2-way NEMA is nice, as you can see APRS spots show up on the GPS.

Bob

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579. [aprssig] Newbie needs help setting up APRS+

From: "Bill Rausch" <billraus@ix.netcom.com>
Date: Mon, 21 Jan 2002 10:54:27
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-58262-2002.01.21-11.24.34--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Hi,

I recently downloaded v2.01 of APRS+ & registered it. I set it up with SA 9.0 & can see APRS traffic on 144.39 MHz when I tab to the "TNC" screen but on the position screen, I can only see my own station. I downloaded setup instructions from TAPR and "www.cqdxhamcoffeshop.net", but neither have any specifics about this. Can anyone tell me where my error is?

Bill Rausch, AA6PA

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580. [aprssig] Cell Phone GPS 'Air Messages'

From: Matt Steinhoff <mls@steinhoff.net>
Date: Mon, 21 Jan 2002 12:30:23 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>

Message-ID: <LYR842-58263-2002.01.21-12.00.21--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

```
I have often considered putting 'speed trap' objects
into ARPS so that both locals and visitors (I am in Orlando
and there are many tourists) driving through town would
know when they are coming up on The Man<tm>.
    I could have objects for both normal enforcement
locations as well as dropping new points as I'm sitting
on the side of the road getting my ticket.
    It would be great it if, while on a road trip, I
could know where all the fuzz are along my path based on
the reports of people ahead of me with GPS and APRS. (CB
radio works great for this purpose now but I must admit
that a higher-tech solution would be very much sexxy.)
    Below  is an excerpt from a December New Scientist
article (pardon me if you've seen it before) that talks
about cell phones with GPS that can put messages 'in the
air'. Fairly interesting even if it is a disaster waiting
to happen.

    Matt (k4mls)


    "
    Pinning messages in mid-air, using the location's Global
Positioning System (GPS) reference, could become the next
craze in communications. The messages are not actually kept
in the air: they're stored on an Internet page. But that
page's Web address is linked to coordinates on the Earth's
surface, rather than a person or organisation. As you move
about, a GPS receiver in your mobile phone or PDA will check
to see if a message has been posted on the website for that
particular spot. If you're in luck a snippet of info-left as
text or a voice recording by someone who passed there
previously-will pop up on your screen or be whispered into
your earpiece.
    "
http://www.newscientist.com/hottopics/phones/phones.jsp?id=23194900

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581. [aprssig] Re: TOPO! / Street Atlas / TopoUSA / multiple GPS displays

From: "Mykle" <n7jzt@arrl.net>
Date: Mon, 21 Jan 2002 10:34:17 -0700
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-58265-2002.01.21-12.06.28--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

```
Jim K5QQ responded:
>The small program Steve wrote is integrally linked
>into the ATM executable and thus will not work with other programs.
>When it runs, there is no screen or other display per se'.   You set a
>series of switches in a batch file to start it after you have APRS+ and
>ATM running.  Then the data is moved via TCPIP from APRS+ into the
>ATM program where an include statement in the ATM waypoint file allows
>you to use the APRS+ tracking data.   Bottom line is the program is of
>no value unless you are specifically using ATM and APRS+

Also, WinAPRS can feed AllTopoMaps thru Steve's program.
So, ATM is used for topo detail while WinAPRS is used for everything else.
WinAPRS handles the serial port, and ATM uses an IP connection to WinAPRS.

AllTopoMaps uses 160dpi maps while the original USGS maps are 250dpi.
The maps are still usable at that resolution.  This product does not provide
seamless coverage like TOPO! (National Geographic, also ~160dpi),
TOPO USA and 3D TOPO QUADS (DeLorme), or Terrain Navigator (Maptech).
AllTopoMaps does have a separate program that creates a map file covering
a region that you specify, that may include areas from several original maps.

Xastir uses the original USGS DRG map files, and is the only program that we've
discussed that will display a map that you may have scanned, or created in an image
editor.  I have a couple of maps (so far) that combine portions of several USGS files.
I've removed extraneous stuff, often with laborious pixel editing, so it ain't necessarily
easy.  Then I add stuff, like GPS tracks of hiking trails (in RED !).  WinAPRS can
use these (not the best display), but you must "adjust" the maps to a rectangular
projection, using an image editor to rotate and/or stretch the map.  Perhaps Xastir
```

can do the reprojection, since it looks like it's doing it for the USGS maps.
That would be a big help.

Just to be a bit more complete, the OziExplorer (www.oziexplorer.com) shareware
program will display your own scanned maps or those you create, in addition to a
variety of raster map formats including USGS DRG. It's my favorite for most
mapping applications, but it doesn't do APRS :-(It may need a more versatile
track / waypoint file system for use with APRS, perhaps something like the ATM
format that made Steve's program practical.

73 de Mykle N7JZT
SAR Tucson

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582. [aprssig] Re: TOPO! / Street Atlas / TopoUSA / multiple GPS displays

From: "Curt Mills, WE7U" <hacker@tc.fluke.com>
Date: Mon, 21 Jan 2002 10:42:18 -0800 (PST)
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: TAPR APRS Special Interest Group <aprssig@lists.tapr.org>
Message-ID: <LYR842-58268-2002.01.21-13.12.30--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

On Mon, 21 Jan 2002, Mykle wrote:

> Jim K5QQ responded:
> >The small program Steve wrote is integrally linked
> >into the ATM executable and thus will not work with other programs.

Jim: I _really_ want a copy of that! The sooner the better. If you
could get me in touch with the author as well that'd be even better.
Send it to me without instructions if I can get it sooner. :-)

> AllTopoMaps uses 160dpi maps while the original USGS maps are 250dpi.
> The maps are still usable at that resolution. This product does not provide
> seamless coverage like TOPO! (National Geographic, also ~160dpi),
> TOPO USA and 3D TOPO QUADS (DeLorme), or Terrain Navigator (Maptech).

Or Xastir (provides seamless coverage with topo maps). I think at
last count we supported 114 map formats with Xastir, including
seamless topos using USGS geotiff topo maps. We're in the final
stages of the release process for Xastir 1.1, so look for it soon.

> I have a couple of maps (so far) that combine portions of several USGS files.
> I've removed extraneous stuff, often with laborious pixel editing, so it ain't necessarily
> easy. Then I add stuff, like GPS tracks of hiking trails (in RED !). WinAPRS can
> use these (not the best display), but you must "adjust" the maps to a rectangular
> projection, using an image editor to rotate and/or stretch the map. Perhaps Xastir
> can do the reprojection, since it looks like it's doing it for the USGS maps.
> That would be a big help.

It's on the list for the future, but I hard-coded the math that we're
using for the USGS topo maps. It doesn't use general reprojection
algorithms yet.

One thing that might help in the future is another program I wrote
that will crop the borders off a USGS geotiff map, rotate it
slightly, convert it to mostly rectangular, and save it as an image
file. It's written using Perl and is available from my ftp site.
http://www.eskimo.com/~archer has a link to the site. You could
convert, combine the images, draw your trails, then convert back
to tiff and add geoTIFF information back in with the proper tools.
You could also just use it to convert images for use with WinAPRS.

> Just to be a bit more complete, the OziExplorer (www.oziexplorer.com) shareware
> program will display your own scanned maps or those you create, in addition to a
> variety of raster map formats including USGS DRG. It's my favorite for most
> mapping applications, but it doesn't do APRS :-(

I like it too! I don't use it much these days though for the APRS
reason, and 'cuz it runs on an OS that I don't use much these days.

```
Curt Mills, WE7U                         hacker.NO_*SPAM@tc.fluke.com
Senior Methods Engineer/SysAdmin
"Lotto:    A tax on people who are bad at math." -- unknown
"Windows:  Microsoft's tax on computer illiterates." -- WE7U


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583. [aprssig] Re: Cell Phone GPS 'Air Messages'

From: "Terry Bendell" <ve3tkb@sympatico.ca>
Date: Mon, 21 Jan 2002 13:55:12 -0400
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-58272-2002.01.21-13.25.23--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

```
Hi Matt,

Why would you be willing to aide someone who is driving at risk?

Better to let the police nail the clowns and pay the price in cash then
have someone hurt or killed because they rely on an external snitch
system. Kind of defeats the purpose of Amateur Radio and cooperation
with civilian authorities.

I do not believe that alerting possible offenders solves
any safety issues in the long term. If anything it may
further aggrevate the situation.

Just my thoughts!

73
Terry


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584. [aprssig] Re: Cell Phone GPS 'Air Messages'

From: Earl Needham <needhame@yucca.net>
Date: Mon, 21 Jan 2002 12:04:35 -0700
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-58273-2002.01.21-13.36.52--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

```
\At 01:55 PM 1/21/2002 -0400, Terry Bendell wrote:
>  Hi Matt,
>
>Why would you be willing to aide someone who is driving at risk?

         No, but I believe in helping people where bad cops will use their
RADAR while the person is still on the open road and then try to nail them
with "65 in a 25" once they get into town.  And there's a LOT of that out
there.

         7 3
         Earl


*********************************************************
Earl Needham, KD5XB mailto:needhame@yucca.net
Clovis, New Mexico
KD5XB-2>APU24L,WA5IHL-11,K5BEN-15,WA5IHL-7,W5SF-1,K5CQH-15,WB5EKP-1*,TRACE7-
1:=3425.84N/10313.56W-[DM84]
Pet peeve #1: You look at a "SITE" with your "SIGHT".
Pet peeve #2: "Congratulations" does NOT have a "d" in it.
Old pet peeve: People who get themselves on a mailing list and then can't
figure out how to get OFF the list, then repeatedly sending "unsubscribe"
or "remove" as one-word messages to the list.


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585. [aprssig] Re:Street Atlas displays

From: WA8LMF2@aol.com
Date: Mon, 21 Jan 2002 14:21:28 EST
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-58274-2002.01.21-13.51.37--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

```
In a message dated 1/21/02 3:46:50 AM Pacific Standard Time,
snslay@swbell.net writes:

> Are you aware there are 3 sizes of "fat chumky green arrows" to choose from
> in SA?

Yes.     However, the largest size of green arrows covers up numerous
adjacent streets except at the highest mag, and the smallest size is hard to
see.  And the green color gets lost in the background of national forest land
and park areas (of which we have a lot in the west).

I am still lamenting the passing of Delorme's MapExpert which was the
forerunner of Street Atlas over 10 years ago.  It's GPS handler left a track
trail of intense  black arrows that:
1) Were not lost when the map was scrolled or zoomed.
2) Would record the entire trip for hours on end; not just the last few
minutes.
3) Could be saved as an instantly reloadable overlay; i.e. not the hoky
"playback" function that SA's track recorder provides.  You could, on a
cross-county trip,  shut down the program and GPS overnight and then reload
the track the next morning and continue to add to it.
4) Were resized automatically based on the magnification level of the map --
zoom out and the lines became smaller so as to not overlap adjacent roads;
zoom in and they would expand to just cover the width of the streets in
question.
5) Could be exported, along with the underlying map (via the clipboard) as
smoothly-scalable VECTOR images (not bitmaps).  These images could be loaded
into CorelDraw!, Adobe Illustrator, AutoCad or other vector-based draw
programs.

 I have been pleading with Delorme to revive these features in SA for 10
years now, so far to no avail...

Stephen H. Smith                    wa8lmf @ aol.com
Home Page:
http://members.aol.com/wa8lmf
Ham Radio/Mobile SSTV page:     http://members.aol.com/wa8lmf/ham
APRS Stuff
http://members.aol.com/wa8lmf/aprs
-----------------------------------------------------------------------------

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|    Radio Communications Systems       Personal Computers
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586. [aprssig] Re: Cell Phone GPS 'Air Messages'

From: Matt Steinhoff <mls@steinhoff.net>
Date: Mon, 21 Jan 2002 14:32:33 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-58276-2002.01.21-14.02.31--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

```
> Why would you be willing to aide someone who is
> driving at risk?

    Let's not get into that discussion on the list.
My definition of 'at risk' is probably greatly
different than yours.
    Forget I said 'speed trap'. If it makes you feel
```

```
better, let's say 'cheapest gas prices in town'. No,
that'll upset the 'nothing even vaguely for-profit
related on the radio crowd' (if though it's a regular
drive-time topic on 2M repeaters everywhere).
    How about 'hot chick sun bathing in front yard'?
Who could possibly be against that?
    The point was, the ability to easily put objects
into the APRS stream (do a search of the list for
APRSdata.exe for examples) is rather nifty and, hey,
look, there are commercial companies doing it with
cell phones and GPSs.

    Matt (k4mls)

---
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587. [aprssig] Re: Cell Phone GPS 'Air Messages'

From: "Terry Bendell" <ve3tkb@sympatico.ca>
Date: Mon, 21 Jan 2002 14:51:42 -0400
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-58278-2002.01.21-14.22.09--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

```
Ok Matt no Problem.

I would point out that you did use the "Speed trap"
example and I was merely replying to it.

Topic dropped.

73

Terry


---
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588. [aprssig] Re: Being clobbered on 30 m.

From: WA8LMF2@aol.com
Date: Mon, 21 Jan 2002 15:32:10 EST
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-58279-2002.01.21-15.02.23--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

```
In a message dated 1/21/02 6:49:57 AM Pacific Standard Time, k5qq@juno.com
writes:

> My radio will not transmit when I have the
>  dial set at 10151.5 LSB as it thinks it is out of band.

The standard (baseband audio) HF packet tone pair is customarily 2000/2200 Hz
(in the US at least -- the convention in Europe is a lower pair 1800/2000, I
think).

When you feed these two audio tones into an SSB transmitter set to LOWER
sidebad at a supressed carrier ( radio "dial frequency" ) of 10,151.50 KHz
LSB, you are actually creating RF energy at freqs 2.000 and 2.200 Khz LOWER
than the carrier freq.   In other words at 10,149.50 and 10,149.30 KHz.

You will get the exact same results if you set the transceiver to 10,147.30
UPPER SIDEBAND. This time the two RF frequencies generated will be 2.000  and
2.200 ABOVE the carrier freq.  In other words, THE SAME actual RF frequencies.

Summarizing:

Using LOWER sideband with dial set to 10,151.50:
10,151.50 - 2.000 = 10,149.50
10.151.50 - 2.200 = 10,149.30

Using UPPER sideband with dial set to 10.147.30
10.147.30 + 2.000 = 10,149.30
10.147.30 + 2.200 = 10,149.50
```

Using the UPPER sideband approach places the "dial frequency" (suppressed carrier) well within the band so that band-limited radios will transmit.

Some other considerations:
It has been a convention for decades with classic RTTY that tone pairs are transmitted on LOWER sideband; i.e, the on-air RF sense of the two tones is "upside down" relative to their baseband audio equivalents. The sense of which tone ("mark" or "space")is the higher of the two is critical on classic RTTY. Traditional hardware (and more recently soundcard software) RTTY systems have always provided an "Invert" function to compensate for either LSB or USB operation. For packet, it doesn't matter -- the packet modem is only looking for TRANSITIONS from one tone to the other -- not their absolute value.
Some HF radios provide a direct FSK operating mode where DC logic levels (0 and 5 VDC) instead of audio tones are fed into the radio to shift the frequency of what amount to a key-down CW signal, . Almost always, the 'FSK" mode on such radios sets the receiver to the equivalent of LSB (a legacy of nearly a half-century of RTTY) forcing you to use the LSB approach to determining FSK frequencies.

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589. [aprssig] Exiting WinAPRS

From: Earl Needham <needhame@yucca.net>
Date: Mon, 21 Jan 2002 13:37:14 -0700
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-58281-2002.01.21-15.08.24--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

I have an interesting problem going one here.

Back in late September, I bought an Uninterruptible Power Supply (UPS) for my computer. This UPS comes with software that will automatically shut down the computer before the battery runs out in the even of a power failure. Nice feature, BTW.

However, the problem is that WinAPRS will NOT allow the software to shut it down. When the command to shut down is given, WinAPRS dutifully opens the box asking "Are you sure you want to quit WinAPRS?". And there it sits, until the battery dies and the computer is shut down as badly as if someone jerked the cord out of the wall. It's interesting to note that this doesn't happen with the "FILE-EXIT" command that I normally use.

Does anyone out there know how to make WinAPRS exit properly?

Thanks,
Earl

****
Earl Needham, KD5XB mailto:needhame@yucca.net
Clovis, New Mexico
KD5XB-2>APU24L,WA5IHL-11,K5BEN-15,WA5IHL-7,W5SF-1,K5CQH-15,WB5EKP-1*,TRACE7-1:=3425.84N/10313.56W-[DM84]
Pet peeve #1: You look at a "SITE" with your "SIGHT".
Pet peeve #2: "Congratulations" does NOT have a "d" in it.
Old pet peeve: People who get themselves on a mailing list and then can't figure out how to get OFF the list, then repeatedly sending "unsubscribe" or "remove" as one-word messages to the list.

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590. [aprssig] Re: Cell Phone GPS 'Air Messages'

From: Alex <kr1st@amsat.org>
Date: Mon, 21 Jan 2002 16:18:01 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-58285-2002.01.21-15.50.27--lyris.aprssig#tapr.org@lists.tapr.org>
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Matt Steinhoff wrote:

> Forget I said 'speed trap'.

It _is_ rather interesting that that's the first example you come up with.

I always have to laugh when they talk about the law abiding citizen in the media. Who are they? I even see a state legislator driving around here with a radar detector in his "company" SUV.

> hey,
> look, there are commercial companies doing it with
> cell phones and GPSs.

I wonder if the king pins will have to special order GPS-free cell phones in the future.

73s,
--Alex

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591. [aprssig] Re: Exiting WinAPRS -- a keyboard maco solution...

From: WA8LMF2@aol.com
Date: Mon, 21 Jan 2002 17:32:44 EST
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: needhame@yucca.net
Message-ID: <LYR842-58292-2002.01.21-17.02.56--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

In a message dated 1/21/02 12:40:46 PM Pacific Standard Time, needhame@yucca.net writes:

> Does anyone out there know how to make WinAPRS exit properly?
>
> Thanks,
> Earl
>

Well, one "kludge" approach to this problem would be the extremely useful and flexible keyboard macro utility "Keytext". This shareware utility from :
http://www.mjmsoft.com

can automate the typing of strings of text and other actions into practically any program running in Windows. Normally, it loads at Windows boot, and runs as a background operation with a button in the system tray. When you click it, you get a list of up 26 choices (lettered A-Z) of user-defined text strings, or other actions. It can simulate a phantom typist typing at human speeds or do a mass "paste" operation, simulate left or right mouse clicks, launch other programs if they aren't currently running . It can "type" text strings either stored in the program's menu, or read from external text files. [I have used it to "import" data into programs that had no provision for reading in external files by "typing" tab-delimited text files into a program's internal entry screen over and over.]

One of the most complex macros I have created with it (for reporting email spam) does a "Select All" and then a "Copy" in the currenly open email screen, launchs my web browser to my specific login URL at SpamCop.com, waits for and responds to the password challange, waits for the reporting form to appear, pastes the spam text into the form and then clicks the "Send Spam Report" button at the bottom of the form. This macro takes advantage of it's "Wait Until" and "Send Mouse Click To" capabilities.

One of it's features is the ability to lie in wait for a dialog box with a specific title bar or body text to appear, and then jump into action without human intervention, to mouse click a particular button. Or feed the dialog enough <TAB> characters to highlight the "YES" button and then send an <ENTER> .

[The signature lines below are inserted into each of my posts with Keytext]

Stephen H. Smith wa8lmf @ aol.com
Home Page:
http://members.aol.com/wa8lmf
Ham Radio/Mobile SSTV page: http://members.aol.com/wa8lmf/ham
APRS Stuff
http://members.aol.com/wa8lmf/aprs

```
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|    Radio Communications Systems       Personal Computers
|                Consulting and Systems Integration
|    GPS Custom Mapping    &     Radio Coverage Surveys
|    File Conversions       MS-Windows Setups       VISCII Fonts
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Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org
```

---

592. [aprssig] Source for UI-DIGI eproms and other related info

From: WA8LMF2@aol.com
Date: Mon, 21 Jan 2002 17:34:23 EST
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-58293-2002.01.21-17.04.56--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

```
Several posts on this and other APRS lists have mentioned that getting the
27C256 EPROMs required for installing the UI-DIGI firmware into TNC2s is
becoming very difficult and expensive. BuxCommco, the mail-order enterpise
run by K4ABT of
   http://www.packetradio.com      fame is located at:

   http://www.buxcommco.com

where he sells a vast variety of minor radio accessories, antenna parts,
sound card interfaces and kits, plugs, connectors (including the hard-to-find
8-pin INLINE mic jack and the 6-pin mini-din "packet connector" cable), etc.
 I have ordered stuff from him several times and his service has always been
fast and accurate.

If you go to one of his catalog pages at:
   http://www.buxcommco.com/page3/bccpage3.htm

and scroll to the bottom of the page you will see
   27C512  EPROM
   Price Each $4.50
   Order number = EP-27C512

These work directly in TNC2 clones such as MFJ-127x and PacComm devices.
Program the UI-DGI firmware (a 32K 27256 image) into the UPPER half of the
27512's 64K memory space and it works perfectly.  Just plug it into socket
U23 of the TNC2; no changes needed!

           --OR--  Do a TNC firmware  "double-decker"

Bend pin 1 of the 27C512 EPROM out so it misses the socket and connect it to
a single-pole double-throw switch that can either ground pin 1 or connect it
to +5 volts.  You can then copy the TNC's original firmware to the lower half
of  the '512, put UI-DIGI in the upper half,  and be able to switch back and
forth between normal TNC operation and UI-DIGI mode without unplugging
eproms.  Very handy since you need the original firmware to be able to enter
the TNC's CALibrate mode to set tone freqs, deviation, etc.

BTW, an excellent summary of how to align a TNC2 is also on K4ABT's website
at:
    http://www.packetradio.com/1270algn.htm

Stephen H. Smith                   wa8lmf @ aol.com
Home Page:
http://members.aol.com/wa8lmf
Ham Radio/Mobile SSTV page:     http://members.aol.com/wa8lmf/ham
APRS Stuff
http://members.aol.com/wa8lmf/aprs
----------------------------------------------------------------------
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```

593. [aprssig] Re: Cell Phone GPS 'Air Messages'

From: Bob Bruninga <bruninga@usna.edu>
Date: Mon, 21 Jan 2002 18:38:22 -0500 (EST)
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: TAPR APRS Special Interest Group <aprssig@lists.tapr.org>
Message-ID: <LYR842-58294-2002.01.21-18.08.45--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

On Mon, 21 Jan 2002, Matt Steinhoff wrote:

> I have often considered putting 'speed trap' objects into ARPS so
> that both locals and visitors... would see them...

Yes, I am disapponted that more people don't use the objects in APRS more
for reporting things like that as well as accidents and backups.
Most people dont realize how easy it is. Here are two ways. The first
is from scratch, the second method is with prior planning and everyone
should do it:

>From scratch:
1) APRS menu, change your MYCALL to the name of the object-#
2) If needed change your status to comment on the object
3) Send your position report a few times and be sure it was digipeated.
4) Restore #1 and #2 for normal operation..

With prior planning:

OR if you are a road warrior and have the room, put a permanent setup like
that in one of the PM's. Then all you have to do to mark an "incident"
is hit that PM number, hit BCON to send a packet or two, and then hit PM
to get back to your normal config. That is ONE-BUTTON operation!]

For this to work, every incident must have a unique name because in APRS,
any two objects with the same name will replace each other. In this case, I
suggest using these names and add an SSID to make it different from
someone elses. I suggest making the # match th elast letter of your call,
so that we can know who placed th eobject. A=1, B=2 and so forth.

WRECK-#
POLICE-#
SLOW-#

where zzz is your suffix. That way your object is unique and there can be
other wrecks showing in the same system at the same time.

**** In summary, since most of us dont care what the problem is, other
than to know that there is a TRAFFIC JAM, then if everyone carried at
least the SLOW-# in their last PM, then we wouild all benefit by ONE-KEY
entry of Traffic slowdowns!

Wow, neat idea...
Since they are not repeated other than twhen first transmitted, their age
will show on the radio front panel and they will slowly be bumped down and
off the list. But your other APRS buddies will love you for posting it!

de WB4APR, Bob

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To unsubscribe send a blank email to leave-aprssig-842K@lists.tapr.org
Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

---

594. [aprssig] win98se help?

From: "Wes Johnston" <wes@johnston.net>
Date: Mon, 21 Jan 2002 19:45:34 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-58305-2002.01.21-19.19.00--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

A little off topic, but since it's my aprs pc, I'm gunna ask.

Just loaded win98se for use in my aprs server (aprs plus on port 14439 and
KIPSS too). PC is a 233mhz no name brand laptop with PCcard lan card. It
locks up 1hour and 30 minutes after I stop using it. I can press CNTRL ALT
DEL and get the task manager dialog that tell me that MSGSVR32 has stopped
responding. I've read about it and found that it controls sound, and some

PC card network stuff. I thought aprs plus (with speech option) was a culprit, and shut it down. Still locked up. Removed network card, still locked up. Went into bios and disabled the motherboard power mangement, still locks up. Went under win98 power management schemes and told it to never go into standby or power down the HDD, still locks up. The thing that is consistant here is the 1 and a half hours after I stop using it lockup time. Hoping someone can point me in the right direction.

Wes

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Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

---

595. [aprssig] dodge mini van antenna mount

From: "Wes Johnston" <wes@johnston.net>
Date: Mon, 21 Jan 2002 19:47:09 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-58306-2002.01.21-19.20.55--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

I remember seeing a few years ago an antenna mount for the hatch back of the chrylser / dodge minivans. I think it was on a website with a license tag frame antenna mount, but can't locate either one now. Just getting a "new to me" minivan and need an antenna mount for it. Anyone got a web site?

Wes

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Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

---

596. [aprssig] Re: win98se help?

From: WA8LMF2@aol.com
Date: Mon, 21 Jan 2002 20:38:40 EST
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: wes@johnston.net
Message-ID: <LYR842-58308-2002.01.21-20.08.59--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

In a message dated 1/21/02 4:50:36 PM Pacific Standard Time, wes@johnston.net writes:

> The thing that
> is consistant here is the 1 and a half hours after I stop using it lockup
> time. Hoping someone can point me in the right direction.

Try checking your motherboard BIOS setup (usually accessed by hitting <DEL> or <F2> during the power-on self-test before the machine starts booting and search through the various menus there.

Many machines have HARDWARE-based power management (with settable timeouts for harddisk spindown, display backllight, switch to SLEEP mode, etc) that won't surrender control to Window's software power management. These were intended to endow older dumber operating systems, such as DOS, with some of the power management features that are standard with Windows.

Often there will be an item in one of the BIOS menus setup menus such as "Plug-N-Play Operating System Installed   YES/NO". If this is set to "NO", no amount of twiddling in Windows will have any effect. Set to "YES" causes the motherboard hardware/firmware routines to surrender control to Windows.

```
Stephen H. Smith                    wa8lmf @ aol.com
Home Page:
http://members.aol.com/wa8lmf
Ham Radio/Mobile SSTV page:     http://members.aol.com/wa8lmf/ham
APRS Stuff
http://members.aol.com/wa8lmf/aprs
-----------------------------------------------------------------------------

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Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org
```

---

597. [aprssig] Laplink

```
From: Robert Radmore <rradmore@wzrd.com>
Date: Mon, 21 Jan 2002 21:01:52 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-58309-2002.01.21-20.31.58--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain
```

```
Help needed.

I just tried to use my Laplink program to transfer some APRS files to a new
computer and found one of the original disks is corrupted. I contacted
Traveling Software but they do not support a version this old.

If anyone on the SIG has a copy of LapLink for Windows ver 6.0b and would
be willing to copy disk 2 onto an original disk 2 that I will provide
please contact me direct. Mine is an original registered program.

Thanks for any help anyone can provide.

73 de Bob N2PWP


Bob Radmore N2PWP
rradmore@wzrd.com

---
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```

---

598. [aprssig] Re: Exiting WinAPRS

```
From: k9soa@att.net
Date: Tue, 22 Jan 2002 02:32:54 +0000
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-58310-2002.01.21-21.03.06--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain
```

```
I have a program named Buzof and it comes up at boot
time and looks at any window waiting for a reply.  It
then checks a table to supply the right answer.  I have
been using it for over 2 years and it works great.

I think the registration is $15 but is well worth it.

check their web site at www/basta.com

--
Don

www.k9soa.net  (EM77EX)

Home of "JEANNIE"
The House That Listens

As appeared on HGTV's
Dream Builder show

Featured Home of the Month
Upcoming Feb 2002 issue
Home Automation Magazine
>
>       I have an interesting problem going one here.
>
>       Back in late September, I bought an Uninterruptible  Power Supply (UPS)
> for my computer.  This UPS comes with software that will automatically shut
> down the computer before the battery runs out in the even of a power
> failure.  Nice feature, BTW.
>
>       However, the problem is that WinAPRS will NOT allow the software to shut
> it down.  When the command to shut down is given, WinAPRS dutifully opens
```

> the box asking "Are you sure you want to quit WinAPRS?". And there it
> sits, until the battery dies and the computer is shut down as badly as if
> someone jerked the cord out of the wall. It's interesting to note that
> this doesn't happen with the "FILE-EXIT" command that I normally use.
>
>   Does anyone out there know how to make WinAPRS exit properly?
>
>   Thanks,
>   Earl
>
>
> ***
> Earl Needham, KD5XB mailto:needhame@yucca.net
> Clovis, New Mexico
> KD5XB-2>APU24L,WA5IHL-11,K5BEN-15,WA5IHL-7,W5SF-1,K5CQH-15,WB5EKP-1*,TRACE7-
> 1:=3425.84N/10313.56W-[DM84]
> Pet peeve #1: You look at a "SITE" with your "SIGHT".
> Pet peeve #2: "Congratulations" does NOT have a "d" in it.
> Old pet peeve: People who get themselves on a mailing list and then can't
> figure out how to get OFF the list, then repeatedly sending "unsubscribe"
> or "remove" as one-word messages to the list.
>
>
> ---
> You are currently subscribed to aprssig as: k9soa@att.net
> To unsubscribe send a blank email to leave-aprssig-842K@lists.tapr.org
> Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org
>

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To unsubscribe send a blank email to leave-aprssig-842K@lists.tapr.org
Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

599. [aprssig] Re: dodge mini van antenna mount

From: Earl Needham <needhame@yucca.net>
Date: Mon, 21 Jan 2002 20:27:46 -0700
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-58337-2002.01.21-21.58.15--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

At 07:47 PM 1/21/2002 -0500, Wes Johnston wrote:
>I remember seeing a few years ago an antenna mount for the hatch back of the
>chrylser / dodge minivans. I think it was on a website with a license tag
>frame antenna mount, but can't locate either one now. Just getting a "new
>to me" minivan and need an antenna mount for it. Anyone got a web site?

I drove a Dodge Caravan for some years. I used mag-mounts for
everything above 50 MHz, but the HF antenna was on a DC Sales Tenna Hitch
-- I think it was marketed by N5DC, but I have no idea if it's still
available. My AES catalog dated Spring/Summer 2001 still shows it for
about $35.

7 3
Earl

****
Earl Needham, KD5XB mailto:needhame@yucca.net
Clovis, New Mexico
KD5XB-2>APU24L,WA5IHL-11,K5BEN-15,WA5IHL-7,W5SF-1,K5CQH-15,WB5EKP-1*,TRACE7-
1:=3425.84N/10313.56W-[DM84]
Pet peeve #1: You look at a "SITE" with your "SIGHT".
Pet peeve #2: "Congratulations" does NOT have a "d" in it.
Old pet peeve: People who get themselves on a mailing list and then can't
figure out how to get OFF the list, then repeatedly sending "unsubscribe"
or "remove" as one-word messages to the list.

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To unsubscribe send a blank email to leave-aprssig-842K@lists.tapr.org
Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

600. [aprssig] Re: Exiting WinAPRS

From: Earl Needham <needhame@yucca.net>
Date: Mon, 21 Jan 2002 20:28:45 -0700
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>

Message-ID: <LYR842-58338-2002.01.21-21.59.56--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

```
At 02:32 AM 1/22/2002 +0000, k9soa@att.net wrote:
>I have a program named Buzof and it comes up at boot
>time and looks at any window waiting for a reply.  It
>then checks a table to supply the right answer.  I have
>been using it for over 2 years and it works great.
>
>I think the registration is $15 but is well worth it.
>
>check their web site at www/basta.com

         Thanks, Don.  I was REALLY hoping someone knew how to make the
program exit right away, like perhaps a .pif file or something.

         7 3
         Earl


*********************************************************
Earl Needham, KD5XB mailto:needhame@yucca.net
Clovis, New Mexico
KD5XB-2>APU24L,WA5IHL-11,K5BEN-15,WA5IHL-7,W5SF-1,K5CQH-15,WB5EKP-1*,TRACE7-
1:=3425.84N/10313.56W-[DM84]
Pet peeve #1: You look at a "SITE" with your "SIGHT".
Pet peeve #2: "Congratulations" does NOT have a "d" in it.
Old pet peeve: People who get themselves on a mailing list and then can't
figure out how to get OFF the list, then repeatedly sending "unsubscribe"
or "remove" as one-word messages to the list.



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Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org
```

601. [aprssig] Re: win98se help?

From: Mark Fellhauer <sparkfel@qwest.net>
Date: Mon, 21 Jan 2002 21:31:23 -0600
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-58339-2002.01.21-22.02.52--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

```
At 06:45 PM 1/21/02, Wes Johnston wrote:

>A little off topic, but since it's my aprs pc, I'm gunna ask.


See Microsoft Technet Article Q306616.

http://support.microsoft.com/default.aspx?scid=fh;en-us;kbinfo


Mark
KC7BXS



---
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Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org
```

602. [aprssig] javAPRS 2.2b01 Released

From: "AE5PL Lists" <HamLists@ametx.com>
Date: Mon, 21 Jan 2002 22:01:10 -0600
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-58351-2002.01.21-22.31.22--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

```
This is what is new since 2.1 build 04:

 PNG image support (japrspng.cab, japrspng.jar).
 autoFit parameter added to stretch images/maps to fit window.
 Added multiple map projection types selectable for GIF maps.
 Support TIGER projection.
 Support MapBlast projections.
 Support NWS Radar GIF projection (new page for proper top-left and
bottom-right parameters (http://www.ae5pl.net/nwsradars.asp).
```

Added Expedia support.
Added zooming for GIF maps.
Added display of area objects (\l).
Added display of sign post (\m) objects/items.
Added filtering by icon.
Added metric display support.

Corrected DosMap drawing.
Reduced redraws when scrolling the browser window.
autoReload only reloads GIF maps.
Improved speed and memory handling.
mapList no longer fussy about name/file conflicts (as long as each menu name is unique).
displayOnly and dontDisplay don't require trailing slash.
Multiple parsing/display bug fixes.
Server bug fixes.

The new japrs.jar and japrs.cab can be downloaded from http://javaprs.ae5pl.net Some sites may display maps a little differently now but this was necessitated by using proper map projections instead of the "flat" (LatLon) projection. Also, the size has grown (especially japrs.jar). I am trying to keep it small and this is why I have put PNG support into separate files. Any major future additions (such as shapefile support) will also be in separate files.

Note: The download page has a copy of the license for use. javAPRS is still free, but it is restricted to personal and noncommercial use. Anyone wishing to use it for other purposes must contact me for approval. This is required for using MapBlast and Expedia maps.

73,

Pete Loveall AE5PL
http://www.ae5pl.net
mailto:pete@ae5pl.net

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To unsubscribe send a blank email to leave-aprssig-842K@lists.tapr.org
Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

603. [aprssig] Re: Laplink

From: WA8LMF2@aol.com
Date: Mon, 21 Jan 2002 23:08:53 EST
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-58352-2002.01.21-22.39.16--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

The earliest version of LapLink that supported native Win32 long file names is ver 7.x aka LapLink95. One expedient is to use WinZip (which IS aware of long file names) to pack the files/directories in question into a zip file with a short name, LapLink it to the other machine, and then unpack it with a second copy of WinZip 8.x.

Since the install file for Winzip is a short name, it can be transferred to the second machine, if needed to set up the 2nd copy of Winzip, with any version of LapLink.

```
Stephen H. Smith                   wa8lmf @ aol.com
Home Page:
http://members.aol.com/wa8lmf
Ham Radio/Mobile SSTV page:     http://members.aol.com/wa8lmf/ham
APRS Stuff
http://members.aol.com/wa8lmf/aprs
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604. [aprssig] Bad Packets from Iowa

From: greg@clubnet.net
Date: Mon, 21 Jan 2002 21:16:28 -0800
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-58373-2002.01.21-23.46.37--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

I have captured two badly formed packets which appear to be emanating
from Iowa:

```
WB0WNX-6>APZ17,WB0WNX-4,N0BKB*,WIDE:!4211.11NN09548.11W#PHG5430/APRS
DIGIPEATER (UIDIGI 1.7)
1WB0WNX-6>APZ17,WB0WNX-4,N0BKB,N0JUP-1*:!4211.11NN09548.11W#PHG5430/APRS
DIGIPEATER (UIDIGI 1.7)
1NA0R>APW246,RELAY,WIDE:=4143.53N/09343.23WWPHG5170/WinAP

GFZ>APW251,N0BKB*,IOWA,IOWA:N0BKB At Greenfield, Ia
AirportGFZ>APW251,N0BKB,KI0BW-4*,IOWA:N0BKB At Greenfield, Ia
AirportGFZ>APW251,N0BKB,N0AN,KI0BW-4*:N0BKB At Greenfield, Ia
AirportW0NWS>APW251,WB0WNX-4,N0BKB*:_01220442c198s011g013t038r000p000P0
```

The only reason I caught these is that they are forcing a buffer
overflow condition in APRServe. The two packets are being passed by
first.aprs.net and AHubWest and are causing temporary disconnects from
these two sites to second.aprs.net.

Someone in the Iowa area may want to check into the source of these
packets.

Greg
WB6ZSU

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605. [aprssig] RE: D700A "Emergency!" Bug?

From: James Ewen <jewen@shaw.ca>
Date: Mon, 21 Jan 2002 22:50:52 -0700
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-58409-2002.01.22-00.21.02--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

> This answers some of my questions about a
> MAYDAY mode for my airmobile TTII.
> Did anyone call 911 or something and say
> there was an emergency at XX
> address?

Oh my! Do you mean that I am supposed to actually DO something when I hear a
distress call?

>Also, I presume by the silence that no one has
>noticed a software bug with
>how the D700 handles this message code.

Hmm, don't want to stir up a hornet's nest by setting my status to
Emergency. There probably hasn't been much testing due to worries of this
type. Perhaps a test period should be defined, similar to the test period
for ELTs. If I'm not mistaken, you are allowed to fire up an ELT within 5
minutes of the top of the hour for testing. You are allowed to turn it on
for a short period, to make sure you can receive it's transmissions on your
aircraft radio. Any short transmissions within 5 minutes of the top of the
hour are generally considered to be test transmissions, and will not cause a
call out of the cavalry.

However, long transmissions during this period, or ones that extend beyond
the test period will cause a reaction.

A solution to test your own equipment, would be to move to a non-populated

FM simplex frequency for a short test.

James
VE6SRV

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606. [aprssig] Re: dodge mini van antenna mount

From: Skip Allison <sallison@megsinet.net>
Date: Mon, 21 Jan 2002 23:56:37 -0600
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-58410-2002.01.22-00.27.21--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

The license plate mount is made by Lakeview Co.
http://www.hamstick.com/Tm-1.html
Somebody makes a mount for Chrysler minivans that bolts to some existing
bolts in the door jam. I don't know what years it's for. I know
someone that has one. I'll see if I can find out more on it.

I have the Lakeview license plate mount and it works great. Very solid
and well built - stainless steel. A little expensive tho. ($45)

Skip
K9SA

Wes Johnston wrote:
>
> I remember seeing a few years ago an antenna mount for the hatch back of the
> chrylser / dodge minivans. I think it was on a website with a license tag
> frame antenna mount, but can't locate either one now. Just getting a "new
> to me" minivan and need an antenna mount for it. Anyone got a web site?
>
> Wes
>

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607. [aprssig] Re: Being clobbered on 30 m.

From: James Ewen <jewen@shaw.ca>
Date: Mon, 21 Jan 2002 22:57:11 -0700
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-58411-2002.01.22-00.29.59--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

> > EM> there is also a huge amount of interference from apparently
> > EM> illegal Voice comms on 10.050 USB.

>When I first started gating, I was getting interference
> and listened one morning. I heard someone speaking in English so I called
> and they answered. He had no callsign, did not know what that was and said
> he had been transmitting on the frequency for more than 5 years and no one
> was going to move him.

Hmm, sounds like you ended up being one of the people you are complaining
about! Of course, I could be wrong, and you hold a license to operate on
10.050, and communicate with unlicensed stations.

Not looking to start a war, just pointing out that when you wrestle with a
pig, you both end up covered in mud!

James
VE6SRV

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Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

608. [aprssig] Re: Cell Phone GPS 'Air Messages'

From: Skip Allison <sallison@megsinet.net>
Date: Tue, 22 Jan 2002 00:03:32 -0600
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-58412-2002.01.22-00.34.17--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

```
Matt Steinhoff wrote:
>
>     I have often considered putting 'speed trap' objects
> into ARPS so that both locals and visitors (I am in Orlando

That's kind of fun.  We did that a couple years ago on the way to the
Dayton Hamfest.  I was the passenger with the lap top running APRS.  We
were spotting all kinds of "road hazzards" like radar traps, accidents,
traffic slow downs.  Great use of APRS as electronic counter measures!
I don't know how many people saw the spots though.  At the time we
didn't see much APRS activity.  Different story now though.  Lots of
APRS activity last year.

Skip
K9SA

---
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Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org
```

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609. [aprssig] Igate Connections to Core Servers

From: greg@clubnet.net
Date: Mon, 21 Jan 2002 22:06:44 -0800
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-58413-2002.01.22-00.36.28--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

```
The past few weeks I have doing some administrative clean-up on the
second.aprs.net server and have found that there are many Igate stations
that are improperly connecting to port 1313 of the core servers
(first,second, and third.aprs.net).

Port 1313 is a linking port meant to be used only by the core servers.
It does not carry the full data stream.  Therefore, when an Igate
initiates a connection to port 1313, it may be missing data which could
result in missed messages to its coverage area.  In place of port 1313,
I would suggest that connections be made to port 23, which does provide
the full data stream (real-time without history dump).

I have attempted to contact all the Igate stations for which I have
e-mail information, but there are other stations which I have been
unable to reach through e-mail.

I recommend that all Igates currently using port 1313 make the switch to
port 23 as soon as possible.  I plan on upgrading my server next weekend
and part of this upgrade will limit port 1313 connections to the
intended core servers only.  Once the upgrade is made, other stations
will no longer be able to access data on this port.  A similar change
may be upcoming on the other core servers, so it's best to make the
change in your connections list to all three servers.


73,
Greg
WB6ZSU
second.aprs.net


---
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```

---

610. [aprssig] Re: Cell Phone GPS 'Air Messages'

From: Mark Fellhauer <sparkfel@qwest.net>
Date: Tue, 22 Jan 2002 00:47:28 -0600
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-58416-2002.01.22-01.18.58--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

```
At 11:55 AM 1/21/02, Terry Bendell wrote:
```

> Hi Matt,
>
>Why would you be willing to aide someone who is driving at risk?

Agreed.

I hate to armchair lawyer, but I will. Many government agencies and city/county/state prosecutors hold that warning other drivers/individuals of locations of "speed traps" and other police operations to be obstructing justice. Even if obstructing justice is a misdemeanor, a group of people engaging to obstruct justice becomes a conspiracy. Conspiracy to commit a misdemeaner is a felony. Committing a felony with the aid of a transmitter or receiver becomes a federal offense...

I would also argue that the FCC grants you a license not just based on your ability to pass a test and obey rules, but also on your character. The FCC can revoke your license even for conduct not related to amateur radio activity.

Please remember that many police and DPS/Highway Patrol officers are also licensed amateur radio operators. To use amateur radio to thwart their efforts is counter productive. If I were a member of law enforcement, I'd consider it a slap in the face. If the local police found out about some APRS "traffic warning" net they might react by stricter enforcement of other vehicular regulations to every vehicle they see with a 2 meter antenna.

Mark
KC7BXS

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---

611. [aprssig] RE: D700A "Emergency!" Bug?

From: WA8LMF2@aol.com
Date: Tue, 22 Jan 2002 04:21:04 EST
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-58423-2002.01.22-03.51.17--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

In a message dated 1/21/02 9:52:47 PM Pacific Standard Time, jewen@shaw.ca writes:

> However, long transmissions during this period, or ones that extend beyond
> the test period will cause a reaction.
>
> A solution to test your own equipment, would be to move to a non-populated
> FM simplex frequency for a short test.
>
> James
> VE6SRV

Or you could try a dummy load!

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---

612. [aprssig] RE: D700A "Emergency!" Bug?

From: "Joe Della Barba" <joe@dellabarba.com>
Date: Tue, 22 Jan 2002 06:17:11 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-58428-2002.01.22-05.49.11--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

My original point was that if I am flying or sailing along and I have a real emergency and I switch my TTII
to "Mayday Mode" everyone will see it and wonder why their radios act odd
but it wouldn't occur to anyone there was an actual emergency.
73
Joe N3HGB

```
----- Original Message -----
From: <WA8LMF2@aol.com>
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Sent: Tuesday, January 22, 2002 4:21 AM
Subject: [aprssig] RE: D700A "Emergency!" Bug?


> In a message dated 1/21/02 9:52:47 PM Pacific Standard Time, jewen@shaw.ca
> writes:
>
> > However, long transmissions during this period, or ones that extend
beyond
> >  the test period will cause a reaction.
> >
> >  A solution to test your own equipment, would be to move to a
non-populated
> >  FM simplex frequency for a short test.
> >
> >  James
> >  VE6SRV
>
> Or you could try a dummy load!
>
> ---
> You are currently subscribed to aprssig as: joe@dellabarba.com
> To unsubscribe send a blank email to leave-aprssig-842K@lists.tapr.org
> Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org
>



---
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```

---

613. [aprssig] RE: D700A "Emergency!" Bug?

From: "Stephen M. King" <frastephen@home.com>
Date: Tue, 22 Jan 2002 07:47:17 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-58493-2002.01.22-07.17.30--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

```
> > This answers some of my questions about a
> > MAYDAY mode for my airmobile TTII.
> > Did anyone call 911 or something and say
> > there was an emergency at XX
> > address?
>
> Oh my! Do you mean that I am supposed to actually DO something when I hear
a
> distress call?
>

But that is the question ... is/should an "Emergency" Message Code be
equated with a "MAYDAY"?  What is the purpose of the Message Codes
"Priority" and "Emergency".  These are terms familiar to NTS folks where
these terms are used to identify the precedence of the information...



> >Also, I presume by the silence that no one has
> >noticed a software bug with
> >how the D700 handles this message code.
>
> Hmm, don't want to stir up a hornet's nest by setting my status to
> Emergency. There probably hasn't been much testing due to worries of this
> type. Perhaps a test period should be defined, similar to the test period
> for ELTs. If I'm not mistaken, you are allowed to fire up an ELT within 5
> minutes of the top of the hour for testing. You are allowed to turn it on
> for a short period, to make sure you can receive it's transmissions on
your
> aircraft radio. Any short transmissions within 5 minutes of the top of the
> hour are generally considered to be test transmissions, and will not cause
a
> call out of the cavalry.
>
> However, long transmissions during this period, or ones that extend beyond
> the test period will cause a reaction.
>
```

> A solution to test your own equipment, would be to move to a non-populated
> FM simplex frequency for a short test.
>

Good idea! I'll give it a try and perhaps someone else might try that as
well (maybe it is just a local problem, as it were)

Thanks!
Peace and 73,
Stephen
W3SMK

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614. [aprssig] Re: D700A emergency bug

From: K3for@aol.com
Date: Tue, 22 Jan 2002 08:58:07 EST
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: <aprssig@lists.tapr.org>
Message-ID: <LYR842-58503-2002.01.22-08.28.25--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Sorry, I was not able to duplicate the scenario. I went to an open packet frequency, transmitted some emergency packets (with "test" as status text) on my TH-D7 on very low power. The D700 captured them fine, and the home APRSdos (PK-88 TNC) station did the obligatory "zoom in and beep like crazy" thing.

The only thing I can possibly think happened was that your D700 tried to digi the emergency packet but had a low battery and shut down on undervoltage. However, you would have noticed the same thing on receipt of other types of packets...

73,
Skip/K3FOR

>>Perhaps a test period should be defined, similar to the test period for ELTs. If I'm not mistaken, you are allowed to fire up an ELT within 5 minutes of the top of the hour for testing. You are allowed to turn it on
for a short period, to make sure you can receive it's transmissions on your aircraft radio. Any short transmissions within 5 minutes of the top of the
hour are generally considered to be test transmissions, and will not cause a call out of the cavalry.

>>However, long transmissions during this period, or ones that extend beyond the test period will cause a reaction.

>>A solution to test your own equipment, would be to move to a non-populated FM simplex frequency for a short test.

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Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

615. [aprssig] RE: D700A "Emergency!" Bug?

From: Bob Bruninga <bruninga@usna.edu>
Date: Tue, 22 Jan 2002 09:11:36 -0500 (EST)
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: TAPR APRS Special Interest Group <aprssig@lists.tapr.org>
Message-ID: <LYR842-58509-2002.01.22-08.41.55--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

> My original point was that if I am flying or sailing along and I have
> a real emergency and I switch my TTII to "Mayday Mode" everyone will
> see it and wonder why their radios act odd but it wouldn't occur to
> anyone there was an actual emergency.

I think you have to assume it is an emergecny until you can disssprove it.
I had Kenwood install an "ARE YOU SURE?" prompt on the Kenwoods before the
user could actually set the emergency bit. And since Kenwoods and a few
Mic-E's are the only things that send the EMERGENY message, then it should
be safe to assume that it was intentional.

But since the MIM's and TTII and TAPR Mic-E's dont have such a double protection, one might consider that in their response...

GO back 4 years when an overturned car in a ditch in PA was found with occupants because of an APRS emergency message...

With the mobility of APRS and map view, we should be able to rapidly respond by looking at the map, noting the voice repeaters in range, putting out a voice alert to anyone in the area to confirm it and/or calling 911... no matter what you do, someone will criticise it. But just do what you think best... based on your knowledge and experience with all factors involved in the situation..

de WB4APR, Bob

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616. [aprssig] Mobile Event reporting.

From: Bob Bruninga <bruninga@usna.edu>
Date: Tue, 22 Jan 2002 11:21:07 -0500 (EST)
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-58516-2002.01.22-10.51.21--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

When I went to put TRAFFC Objects into my D700 for reporting traffic problems along the way with ONE-BUTTON on my D700, I found other uses for the PM5 as well. Here are my settings for PM5:

```
MYCALL:      TRAFFC-4    <choose SSID randomly or match your last letter
XMIT:        MANUAL      <so that I only report the object ONCE or so
STATUS TXT:  BACKUP/SLOWDOWN/INCIDENT(APR)   <My SUFFIX on the end)
PATH:        RELAY,WIDE  <you only want it to be local
BAND-B:      146.52      <so I can hear any other locals in the same mess
Voice Alert: OFF         <meaning, do NOT set CTCSS 100
```

Manual, so that I can control how often I transmit it until I see that it was digipeated in the local area. And so that even if I forget to change back to normal mode in my other PM's, I dont keep transmitting as TRAFFC!

Voice Alert is OFF, so that I will HEAR packets and be reminded that I am in PM5! Not only is Band B programmed with 146.52 for ease of communicating direct with others in the same traffic mess, but you can also then use this PM5 as a quick QSY for "52" at any time.

Thus I get triple use out of this PM:

1) One button traffic reporting (push BCON button to actually XMIT it)
2) Quick QSY for 146.52 operations
3) Quick ctcss disable on 144.39 if I want to listen to APRS channel
4) Possible temporary DIM setting while you get out of the car

I will call this TRAFFIC REPORTING and add it to my D700 WEB page:

D-700 APRS SETUPS: http://www.ew.usna.edu/~bruninga/d700-faq.txt

Any other compatible uses of PM5?

de WB4APR, Bob

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To unsubscribe send a blank email to leave-aprssig-842K@lists.tapr.org
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617. [aprssig] RE: Mobile Event reporting.

From: "Brian Webster" <radiowebst@yahoo.com>
Date: Tue, 22 Jan 2002 11:50:11 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-58523-2002.01.22-11.16.04--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

I was just thinking about suggesting something along these lines. Now lets take it a little farther.

-There are some areas that have a formal/informal commuter traffic net. If they have the same net control stations let's set them up with a working APRS display so they can SEE what Bob has proposed and manually insert the other voice reports.

-See if we can make a specialized mode similar to the WX mode in WinAPRS so you can clean up the display.

-Also check in to the State DOT sites that have this traffic report capability and see if somehow we can stream this data in for those with net connectivity. This is probably just some GIS/Arcinfo type data. While we are at that point it would be fairly easy to incorporate any other GIS data streams either static or streaming.

-Keeping people trained to do this with manual inserts might finally get some more use of the real benefit of APRS, doing things like skywarn. You don't have to have everyone who is helping out using APRS to get a good visual representation of the event. Local emergency managers love visual spots of their resources and this system has everything to do it, we just need people more familiar with how to do it. Traffic reporting is both a practical way to do this without seeming like you are not providing useful data to someone.

Just rambling I guess.

Brian, N2KGC

-----Original Message-----
From: bounce-aprssig-21516@lists.tapr.org
[mailto:bounce-aprssig-21516@lists.tapr.org]On Behalf Of Bob Bruninga
Sent: Tuesday, January 22, 2002 11:21 AM
To: TAPR APRS Special Interest Group
Subject: [aprssig] Mobile Event reporting.

When I went to put TRAFFC Objects into my D700 for reporting traffic problems along the way with ONE-BUTTON on my D700, I found other uses for the PM5 as well. Here are my settings for PM5:

```
MYCALL:      TRAFFC-4    <choose SSID randomly or match your last letter
XMIT:        MANUAL      <so that I only report the object ONCE or so
STATUS TXT:  BACKUP/SLOWDOWN/INCIDENT(APR)   <My SUFFIX on the end)
PATH:        RELAY,WIDE  <you only want it to be local
BAND-B:      146.52      <so I can hear any other locals in the same mess
Voice Alert: OFF         <meaning, do NOT set CTCSS 100
```

Manual, so that I can control how often I transmit it until I see that it was digipeated in the local area. And so that even if I forget to change back to normal mode in my other PM's, I dont keep transmitting as TRAFFC!

Voice Alert is OFF, so that I will HEAR packets and be reminded that I am in PM5! Not only is Band B programmed with 146.52 for ease of communicating direct with others in the same traffic mess, but you can also then use this PM5 as a quick QSY for "52" at any time.

Thus I get triple use out of this PM:

1) One button traffic reporting (push BCON button to actually XMIT it)
2) Quick QSY for 146.52 operations
3) Quick ctcss disable on 144.39 if I want to listen to APRS channel
4) Possible temporary DIM setting while you get out of the car

I will call this TRAFFIC REPORTING and add it to my D700 WEB page:

D-700 APRS SETUPS: http://www.ew.usna.edu/~bruninga/d700-faq.txt

Any other compatible uses of PM5?

de WB4APR, Bob

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____

Do You Yahoo!?

Get your free @yahoo.com address at http://mail.yahoo.com

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Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

---

618. [aprssig] New SIG for javAPRS

From: "AE5PL Lists" <HamLists@ametx.com>
Date: Tue, 22 Jan 2002 11:23:21 -0600
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-58532-2002.01.22-11.53.33--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

I have started a SIG for discussion of javAPRS matters. You can subscribe to the mail list by sending an email to javaprs-subscribe@yahoogroups.com This is an unmoderated list (until abused) but is intended to discuss javAPRS matters only (please, no off-topic discussions).

73,

Pete Loveall AE5PL
http://www.ae5pl.net
mailto:pete@ae5pl.net

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To unsubscribe send a blank email to leave-aprssig-842K@lists.tapr.org
Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

---

619. [aprssig] Re: Laplink

From: Claude Head <k5dtn@swbell.net>
Date: Tue, 22 Jan 2002 13:26:17 -0600
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: TAPR APRS Special Interest Group <aprssig@lists.tapr.org>
Message-ID: <LYR842-58543-2002.01.22-13.56.33--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Hi, Bob. This is not direct help with your Laplink problem, but you might look into the "Direct Cable Connection" available on the Windows machines. This supports file transfers between machines using either serial (COMx) or parallel (LPTx) ports. You need a crossover cable for the connection, but if you are using Laplink, you already have the cables. Direct Cable Connection is not as neat as Laplink, but it works and might get you out of a bind right now. Call up Windows HELP and look for "Direct Cable Connection". Hope this helps.

73, Claude
K5DTN

Robert Radmore wrote:

> Help needed.
>
> I just tried to use my Laplink program to transfer some APRS files to a new computer and found one of the original disks is corrupted. I contacted Traveling Software but they do not support a version this old.
>
> If anyone on the SIG has a copy of LapLink for Windows ver 6.0b and would be willing to copy disk 2 onto an original disk 2 that I will provide please contact me direct. Mine is an original registered program.
>
> Thanks for any help anyone can provide.

>
> 73 de Bob N2PWP
>
> Bob Radmore N2PWP
> rradmore@wzrd.com
>
> ---
> You are currently subscribed to aprssig as: k5dtn@swbell.net
> To unsubscribe send a blank email to leave-aprssig-842K@lists.tapr.org
> Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

---
You are currently subscribed to aprssig as: lyris.aprssig@tapr.org
To unsubscribe send a blank email to leave-aprssig-842K@lists.tapr.org
Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

620. [aprssig] RE: D700A

From: "Randy Allen - KA□AZs" <ka0azs@commkey.net>
Date: Tue, 22 Jan 2002 15:13:08 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-58544-2002.01.22-14.43.20--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Bob Bruninga wrote in part:
"... And since Kenwoods and a few Mic-E's are the only things that send the EMERGENY message..."

So there's no way to generate an EMERGENCY message in APRS DOS? I've checked the documentation, and find references to how the software reacts to an alarm (and have seen it in action with WX stations), but nothing on the ability (or lack thereof) to generate EMERGENCY beacons.

I'd also be interested in hearing if any of the other software (APRS+SA and PocketAPRS to be specific)supports this function.

73

Randy Allen, KA□AZS
Asst. EC Montgomery CO Ohio
OH Dist. 3 ARES Web Page:
www.qsl.net/ohd3ares/

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Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

621. [aprssig] RE: D700A

From: "AE5PL Lists" <HamLists@ametx.com>
Date: Tue, 22 Jan 2002 14:28:42 -0600
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-58546-2002.01.22-14.58.51--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

The EMERGENCY message is an integral part of the Mic-E packet. That is
why no other software generates it (all other software use standard
packet formats).

73,

Pete Loveall AE5PL
http://www.ae5pl.net
mailto:pete@ae5pl.net

> -----Original Message-----
> From: Randy Allen - KAXAZs [mailto:ka0azs@commkey.net]
> Posted At: Tuesday, January 22, 2002 2:15 PM
> Subject: [aprssig] RE: D700A
>
> Bob Bruninga wrote in part:
> "... And since Kenwoods and a few Mic-E's are the only things
> that send the EMERGENY message..."
>

```
>   So there's no way to generate an EMERGENCY message in APRS
> DOS? I've checked the documentation, and find references to
> how the software reacts to an alarm (and have seen it in
> action with WX stations), but nothing on the ability (or lack
> thereof)  to generate EMERGENCY beacons.
>
>   I'd also be interested in hearing if any of the other
> software (APRS+SA and PocketAPRS to be specific)supports this
> function.

---
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Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org
```

622. [aprssig] AEA PK-12 on APRS

From: "Tom Clarke" <fclarke@erols.com>
Date: Tue, 22 Jan 2002 15:58:38 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-58547-2002.01.22-15.29.02--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

```
I know that I have seen it somewhere, but what is the secret to making a
PK-12 work on APRS?

I have tried 2 different TNCs and 3 different computers (APRS DOS) and even
though the computer talks to the TNC, I get     Hdr?> and No> before every
packet and no display on the maps.

Tom/W4OKW


---
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Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org
```

623. [aprssig] Re: AEA PK-12 on APRS

From: "Curt Mills, WE7U" <hacker@tc.fluke.com>
Date: Tue, 22 Jan 2002 13:07:50 -0800 (PST)
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: TAPR APRS Special Interest Group <aprssig@lists.tapr.org>
Message-ID: <LYR842-58548-2002.01.22-15.38.08--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

```
On Tue, 22 Jan 2002, Tom Clarke wrote:

> I know that I have seen it somewhere, but what is the secret to making a
> PK-12 work on APRS?
>
> I have tried 2 different TNCs and 3 different computers (APRS DOS) and even
> though the computer talks to the TNC, I get     Hdr?> and No> before every
> packet and no display on the maps.

Can't recall the specific commands, but if you use it with a terminal
program do you have headers on a different line from the information?
Something like "header of" or "headerln off" should combine them again.

Also check mfilter, make sure it is disabled or 0.  That'll help get
the MIC-E packets through without getting garbled.

AEA headers also have callsigns in a different order than TAPR-2
headers.  Hopefully aprsdDOS handles switching them around.  I
suspect it does.

Curt Mills, WE7U                        hacker.NO_*SPAM@tc.fluke.com
Senior Methods Engineer/SysAdmin
"Lotto:    A tax on people who are bad at math." -- unknown
"Windows:  Microsoft's tax on computer illiterates." -- WE7U


---
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```

624. [aprssig] Re: AEA PK-12 on APRS

From: Phil Reed <preed@dnaco.net>
Date: Tue, 22 Jan 2002 16:27:48 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-58550-2002.01.22-16.01.04--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

At 03:58 PM 1/22/2002 -0500, Tom Clarke wrote:

> I know that I have seen it somewhere, but what is the secret to making a PK-12 work on APRS?
>
> I have tried 2 different TNCs and 3 different computers (APRS DOS) and even though the computer talks to the TNC, I get   Hdr?> and No> before every packet and no display on the maps.

I used a PK-12 with APRS-DOS for a while. APRSdos comes with a separate init file that has special settings for AEA TNCs, and it worked pretty much out of the box for me.

---

...phil / w8sca

"For a list of all the ways technology has failed
to improve the quality of life, press 3."

---
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625. [aprssig] Re: greetings

From: "Ronald Reams" <wa4mjf@worldnet.att.net>
Date: Tue, 22 Jan 2002 17:27:16 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: "APRS SIG" <aprssig@tapr.org>
Message-ID: <LYR842-58554-2002.01.22-16.58.13--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Sri, Bill, but I'm a 30 <> 2 meter RADIO Gate.

The IGate has an I in it.

Do all my stuff via RF. The Packet BBS doesn't even have a phone line hooked to it.

I'm gonna put this on the APRS reflector, there are lots of non-RF types there and I'm sure many or ateast one can answer your question.

73 de Ronnie

----- Original Message -----
From: "sontag" <sontag@swva.net>
To: <wa4mjf@arrl.net>
Sent: Tuesday, January 22, 2002 16:57
Subject: greetings

Saw that you are an Igate station on APRS just a few moments ago. A few of us here are just getting started in APRS and are interested in perhaps doing the same thing. Are you running Windows Igate software and would you mind advising us on where we might locate it? Would appreciate any advice you care to share. Have been surfing the net with little success.

Thanks for your time es vy 73,
Bill Wells - W4BOT

---
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Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

626. [aprssig] Re: greetings

From: "Ronald Reams" <wa4mjf@worldnet.att.net>
Date: Tue, 22 Jan 2002 17:29:45 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: "APRS SIG" <aprssig@tapr.org>
Message-ID: <LYR842-58555-2002.01.22-17.04.56--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Corrected copy at least vice ateast in line 9
(countin' lines intentionally left blank).

----- Original Message -----
From: "Ronald Reams" <wa4mjf@worldnet.att.net>
To: "sontag" <sontag@swva.net>
Cc: "APRS SIG" <aprssig@tapr.org>
Sent: Tuesday, January 22, 2002 17:27
Subject: Re: greetings

Sri, Bill, but I'm a 30 <> 2 meter RADIO Gate.

The IGate has an I in it.

Do all my stuff via RF. The Packet BBS doesn't even have
a phone line hooked to it.

I'm gonna put this on the APRS reflector, there are lots of non-RF
types there and I'm sure many or at least one can answer your question.

73 de Ronnie

----- Original Message -----
From: "sontag" <sontag@swva.net>
To: <wa4mjf@arrl.net>
Sent: Tuesday, January 22, 2002 16:57
Subject: greetings

Saw that you are an Igate station on APRS just a few moments ago. A
few of us here are just getting started in APRS and are interested in
perhaps doing the same thing. Are you running Windows Igate software
and would you mind advising us on where we might locate it? Would
appreciate any advice you care to share. Have been surfing the net with
little success.

Thanks for your time es vy 73,
Bill Wells - W4BOT

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627. [aprssig] Re: AEA PK-12 on APRS

From: "Joe Della Barba" <joe@dellabarba.com>
Date: Tue, 22 Jan 2002 17:41:35 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-58557-2002.01.22-17.13.35--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

My PK-12 works fine on APRS now. I did have to play with it some. I use it
as a stand-alone and with APRS-SA.
One trick is to use the reset command to get it back to default settings and
go from there.
73
Joe
N3HGB
----- Original Message -----
From: "Phil Reed" <preed@dnaco.net>
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Sent: Tuesday, January 22, 2002 4:27 PM
Subject: [aprssig] Re: AEA PK-12 on APRS

> At 03:58 PM 1/22/2002 -0500, Tom Clarke wrote:
> >I know that I have seen it somewhere, but what is the secret to making a

> >PK-12 work on APRS?
> >
> >I have tried 2 different TNCs and 3 different computers (APRS DOS) and
even
> >though the computer talks to the TNC, I get   Hdr?> and No> before
every
> >packet and no display on the maps.
>
> I used a PK-12 with APRS-DOS for a while. APRSdos comes with a separate
> init file that has special settings for AEA TNCs, and it worked pretty
much
> out of the box for me.
>
> ---
>
>   ...phil / w8sca
>
> "For a list of all the ways technology has failed
>   to improve the quality of life, press 3."
>
>
> ---
> You are currently subscribed to aprssig as: joe@dellabarba.com
> To unsubscribe send a blank email to leave-aprssig-842K@lists.tapr.org
> Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org
>
>

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Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

---

628. [aprssig] RE: "Emergency!" Message Code/Position Comment, WAS D700A "Emerge ncy!" Bug?

From: Tony Arnerich <TArnerich@IN-SITU.COM>
Date: Tue, 22 Jan 2002 15:42:38 -0700
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-58558-2002.01.22-17.17.44--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

"Stephen M. King" <frastephen@home.com>

>This is the first time I encountered this code in use, and I was baffled as
>to what I was supposed to do with this information. Beings the sending
>station was a dumb tracker there was no way to know how to try to contact
>him.

You got that right!

Probable conversation:

Dispatch: "911, how can we help you?"
Ham: "I want to report an emergency at location xxxxxxxx"
D: "Please tell us your name and address."
Joe Ham does as he is asked.
D: "What is the nature of the emergency?"
H: "Gee, I don't know."
D: "Are there any injuries?"
H: "Um, er, sorry - I have no idea."
D: "Are you at the scene?"
H: "No, I'm sitting in front of my computer at home, many miles away."

-- pregnant pause --

D: "Sir, are you aware that making prank calls on 911 is a criminal offense?."

Could have been a purse snatching, a kidnapping, a single car accident with minor injuries, a wrecked train carrying nuclear waste, or a sinking cruise ship. Those require radically different aid responses, but who knows what to send?

73,
Tony KD7TA

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---

629. [aprssig] how to documention projects?

From: "Brian Webster" <radiowebst@yahoo.com>
Date: Tue, 22 Jan 2002 17:53:14 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-58559-2002.01.22-17.19.07--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Maybe it is time to start building some specialized how-to documents for the finer points of APRS. I can think of a few that would be handy, many APRS users have a good grasp on the basic operation but we could draw up specialized mode how to directions for things like SKywarn, PCsat, DF ops, SAR uses, and marathons.

This could be done for all the different flavors of APRS. I know there is quite a bit of documentation out there, but some time spent by the people who do these special parts of APRS can save many of the average users a bunch of time. This would also help get the advanced aspects of APRS in to the mainstream faster and easier.

The Linux community has started this and it helps quite a bit.

Brian, N2KGC

____

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Get your free @yahoo.com address at http://mail.yahoo.com

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---

630. [aprssig] RE: D700A

From: Bob Bruninga <bruninga@usna.edu>
Date: Tue, 22 Jan 2002 17:49:20 -0500 (EST)
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: TAPR APRS Special Interest Group <aprssig@lists.tapr.org>
Message-ID: <LYR842-58560-2002.01.22-17.20.18--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

On Tue, 22 Jan 2002, Randy Allen - KAØAZs wrote:

> Bob Bruninga wrote in part: "... And since Kenwoods and a few Mic-E's
> are the only things that send the EMERGENY message..."
>
> So there's no way to generate an EMERGENCY message in APRS DOS?

> I'd also be interested in hearing if any of the other software
> (APRS+SA and PocketAPRS to be specific)supports this function.

Most of the authors agreed to trigger the same reaction to any message that had EMERGENCY or HELP (I forget the exact context), but I've been so busy, I have not added it to APRSdos yet. Maybe some of the other authors have... and will comment on the exact ssyntax we agreed to...

de WB4APR, Bob

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Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

---

631. [aprssig] BTW

From: "Ronald Reams" <wa4mjf@worldnet.att.net>
Date: Tue, 22 Jan 2002 17:49:17 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>

Cc: "APRS SIG" <aprssig@tapr.org>
Message-ID: <LYR842-58561-2002.01.22-17.20.31--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

```
Bill,

Where do you live in SW VA?

I lived in Pulaski many moons ago and my Mom's family from Roanoke.

When I was a baby ham I used to go visit Graham Claytor's
shack in the basement of his house on the shore of his lake.

Lotsa Collins and RTTY equipment.   I think his son
was Sec of Navy for Nixon or Reagan.

73 de Ronnie




---
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Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org
```

---

632. [aprssig] RE: Mobile Event reporting.

From: Bob Bruninga <bruninga@usna.edu>
Date: Tue, 22 Jan 2002 17:54:05 -0500 (EST)
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-58562-2002.01.22-17.26.22--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

```
On Tue, 22 Jan 2002, Brian Webster wrote about APRS Traffic event
reporting...

> -See if we can make a specialized mode similar to the WX mode in WinAPRS so
> you can clean up the display.

APRSdos, just hit the keys JUST-MOBILES and that is all you will see on
any map...

> -Also check in to the State DOT sites that have this traffic report
> capability and see if somehow we can stream this data in for those with net
> connectivity. This is probably just some GIS/Arcinfo type data. While we are
> at that point it would be fairly easy to incorporate any other GIS data
> streams either static or streaming.

Absolutely.  COmbined with the SIGNPOST capability of reporting traffic
SPEEDS past a given point, we wouild really have an ideal support system
for commuters.  If it gets as popular as it could, then we could even
have a TRAFFIC channel...

Great idaeas...    thanks
Bob

> -----Original Message-----
> Sent: Tuesday, January 22, 2002 11:21 AM
> To: TAPR APRS Special Interest Group
> Subject: [aprssig] Mobile Event reporting.
>
>
> When I went to put TRAFFC Objects into my D700 for reporting traffic
> problems along the way with ONE-BUTTON on my D700, I found other uses for
> the PM5 as well.  Here are my settings for PM5:
>
> MYCALL:      TRAFFC-4    <choose SSID randomly or match your last letter
> XMIT:        MANUAL      <so that I only report the object ONCE or so
> STATUS TXT:  BACKUP/SLOWDOWN/INCIDENT(APR)   <My SUFFIX on the end)
> PATH:        RELAY,WIDE  <you only want it to be local
> BAND-B:      146.52      <so I can hear any other locals in the same mess
> Voice Alert: OFF         <meaning, do NOT set CTCSS 100
>
> Thus I get triple use out of this PM:
>
> 1) One button traffic reporting (push BCON button to actually XMIT it)
> 2) Quick QSY for 146.52 operations
> 3) Quick ctcss disable on 144.39 if I want to listen to APRS channel
> 4) Possible temporary DIM setting while you get out of the car
>
```

```
> I will call this TRAFFIC REPORTING and add it to my D700 WEB page:
> D-700 APRS SETUPS:   http://www.ew.usna.edu/~bruninga/d700-faq.txt
> Any other compatible uses of PM5?
> de WB4APR, Bob


---
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Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org
```

---

633. [aprssig] RE: "Emergency!" Message Code/Position Comment, WAS D700A "Emerge ncy!" Bug?

From: "Ronald Reams" <wa4mjf@worldnet.att.net>
Date: Tue, 22 Jan 2002 17:58:49 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-58563-2002.01.22-17.30.26--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

```
Send the car that works the area to check it out,
a no brainer for most depts.

73 de Ronnie


----- Original Message -----
From: "Tony Arnerich" <TArnerich@IN-SITU.COM>
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Sent: Tuesday, January 22, 2002 17:42
Subject: [aprssig] RE: "Emergency!" Message Code/Position Comment, WAS D700A
"Emerge ncy!" Bug?


"Stephen M. King" <frastephen@home.com>

>This is the first time I encountered this code in use, and I was baffled as
>to what I was supposed to do with this information.  Beings the sending
>station was a dumb tracker there was no way to know how to try to contact
>him.

You got that right!

Probable conversation:

Dispatch: "911, how can we help you?"
Ham: "I want to report an emergency at location xxxxxxxx"
D: "Please tell us your name and address."
Joe Ham does as he is asked.
D: "What is the nature of the emergency?"
H: "Gee, I don't know."
D: "Are there any injuries?"
H: "Um, er, sorry - I have no idea."
D: "Are you at the scene?"
H: "No, I'm sitting in front of my computer at home, many miles away."

-- pregnant pause --

D: "Sir, are you aware that making prank calls on 911 is a criminal
offense?."

Could have been a purse snatching, a kidnapping, a single car accident with
minor injuries, a wrecked train carrying nuclear waste, or a sinking cruise
ship. Those require radically different aid responses, but who knows what to
send?

73,
Tony  KD7TA




---
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Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org
```

---

634. [aprssig] Fw: [amateur_radio] GPS units

From: deunju@juno.com
Date: Tue, 22 Jan 2002 17:35:45 -0600
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-58567-2002.01.22-18.08.51--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

```
Dale Urban N0KQX
Garden City Ks.

--------- Forwarded message ----------
From: "momoply" <momoply@hotmail.com>
To: amateur_radio@yahoogroups.com
Date: Tue, 22 Jan 2002 15:29:09 -0000
Subject: [amateur_radio] GPS units
Message-ID: <a2k0g5+5akv@egroups.com>

I have some GPS units for sale. They are just boards no display or
controls, great for an APRS tracker. You can program them with your
computer. Just add TNC and Ant and you have a small little APRS
tracker. Want more infomation??? E-mail me!! I have all the
infomation on the units and all the plans to build the interfaces.
Matthew KG4IPM
```

```
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```

635. [aprssig] Igate

From: "Bill Wells W4BOT" <sontag@swva.net>
Date: Tue, 22 Jan 2002 18:2:3
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-58578-2002.01.22-18.32.30--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

```
Can someone please recommend IGATE software for a Windows platform?
Have been browsing the net without much success.

regards,

Bill
```

```
---
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```

636. [aprssig] Re: Igate

From: "Curt Mills, WE7U" <hacker@tc.fluke.com>
Date: Tue, 22 Jan 2002 16:14:38 -0800 (PST)
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: TAPR APRS Special Interest Group <aprssig@lists.tapr.org>
Message-ID: <LYR842-58579-2002.01.22-18.44.49--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

```
On Tue, 22 Jan 2002, Bill Wells W4BOT wrote:

> Can someone please recommend IGATE software for a Windows platform?
> Have been browsing the net without much success.
```

```
Ui-View, APRS+, or WinAPRS should all have igate capability.  You may
need to register the shareware in order to turn on that functionality
though.

If you want to go with Linux, there's Xastir and aprsd.  Both free.

Curt Mills, WE7U                          hacker.NO_*SPAM@tc.fluke.com
Senior Methods Engineer/SysAdmin
"Lotto:    A tax on people who are bad at math." -- unknown
"Windows:  Microsoft's tax on computer illiterates." -- WE7U


---
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```

---

637. [aprssig] RE: "Emergency!" Message Code/Position Comment, WAS D700A "Emergency!" Bug?

From: "W1SAR" <w1sar@searcher.org>
Date: Tue, 22 Jan 2002 16:16:52 -0800
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-58580-2002.01.22-18.47.21--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

```
> -----Original Message-----
> From: bounce-aprssig-15695@lists.tapr.org
> [mailto:bounce-aprssig-15695@lists.tapr.org]On Behalf Of Ronald Reams
> Sent: Tuesday, January 22, 2002 2:59 PM
> To: TAPR APRS Special Interest Group
> Subject: [aprssig] RE: "Emergency!" Message Code/Position Comment, WAS
> D700A "Emerge ncy!" Bug?
>
>
> Send the car that works the area to check it out,
> a no brainer for most depts.
>


Maybe that's the case in a large city - but in a rural area, that could
easily tie up a car for 60 - 90 minutes just to find its a ham playing with
a new toy.  You can be sure that they won't do that many times!  It's bad
enough that there is a legal obligation to respond to abandoned 911 calls
for service.

If you want a specific example - last month I responded on a call to a car
80' down in a ravine.  It took two hours of code three response to get to
the scene, and another hour to get to the casualties - ultimately with me
being winched in by helicopter to provide initial medical care until ground
units could get close.  The car went over the edge at 11am - the alarm was
raised at 1pm - we got on scene at 3pm - extricated the last casualty at 5pm
and got back to station at 8pm.

Most agencies use priority based dispatching - and I would guess that most
agencies will not give a high priority to the likely scenario detailed by
Tony, KD7TA.

On the single occasion that I used 'Emergency' the scenario was a big-rig
roll over, 2 people and 20 animals trapped, road entirely blocked, no cell
phone coverage and no response on 2m.  I got an email two days later asking
what happened from a ham on the opposite coast.

It is a great concept - but I shudder when I see suggestions such as an
Aircraft Mayday system.  At the moment, it is largely unused because it
doesn't work.  We, as hams, need to have a MOU on use of the emergency
beacon, and then perhaps, there is an opportunity for Bob, Stan or someone
else to write a piece for the Dispatcher fraternity.

They are soon to be struggling with GPS equipped cell phones, On Star, other
tracking products. Maybe we can be proactive here?

Drew Witham W1SAR
(City of Redding Police)
(Shasta County Firefighter/EMT)

Shasta County Emergency Coordinator
ARES / RACES / CDF-VIP

http://www.scares.org
```

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638. [aprssig] NWS Radar Image Coordinates/US County Sizes

From: "AE5PL Lists" <HamLists@ametx.com>
Date: Tue, 22 Jan 2002 18:27:14 -0600
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-58581-2002.01.22-18.57.26--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

For those of you wanting to know what to tell your mapping software about a NWS radar GIF image, try http://www.ae5pl.net/html/wxradarsites.htm This gives you information for both "flat" mapping software and stereographic mapping software.

Want to know where to start when creating a web page to show APRS in your county using javAPRS? Try http://www.ae5pl.net/NWSCodes.asp This information is direct from the NWS shape files.

73,

Pete Loveall AE5PL
http://www.ae5pl.net
mailto:pete@ae5pl.net

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639. [aprssig] Re: Igate

From: Maiko Langelaar <maiko@slmsoft.com>
Date: Tue, 22 Jan 2002 18:51:28 -0600
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-58582-2002.01.22-19.20.26--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

"Curt Mills, WE7U" wrote:

> If you want to go with Linux, there's Xastir and aprsd. Both free.

There's also TNOSaprs and JNOSaprs (also *free* for ham radio use) :

  http://www.qsl.net/ve4klm/packet/aprss.html

73 Maiko / VE4KLM

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640. [aprssig] RE: "Emergency!" Message Code/Position Comment, WAS D700A "Emergency!" Bug?

From: "Joe Della Barba" <joe@dellabarba.com>
Date: Tue, 22 Jan 2002 19:55:43 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-58583-2002.01.22-19.27.52--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

I am NOT counting on APRS as a sole-source communication system for aircraft. Since I fly with the TTII anyway, emergency or not, I figured that adding a "Mayday switch" certainly can't hurt. I have called Mayday for real while flying and the SAR effort was lame at best. The state police were called out and were just generally driving around rural Virginia looking for smoke. Lucky for us our airplane did not burn, so they drove right past us while we waved. I guess the thought process was something like "Couldn't be that airplane in a farm field, it isn't burning". We ended up walking the 300 yards from the airplane to the police station they all came from. ATC only had a vague idea of where we were.
I am thinking if I have an engine out and start sending MAYDAY with a WIDE7-7 path from a few thousand feet it might get some attention. I have been operating boat and aircraft radios for a long time before I got a ham

license and I would NEVER ignore any kind of distress comms. I once tried to
aid a vessel off the coast of Nicaragua that for some reason had S9+ into
Annapolis and no place else. Eventually a local fishing boat came on
frequency and took over what turned out to be mainly a need for moral
support.
It is a shame if the emergency features and potential of APRS get wasted
because it is ideal for this purpose.
73
Joe N3HGB
----- Original Message -----
From: "W1SAR" <w1sar@searcher.org>
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Sent: Tuesday, January 22, 2002 7:16 PM
Subject: [aprssig] RE: "Emergency!" Message Code/Position Comment, WAS D700A
"Emergency!" Bug?

>
>
> > -----Original Message-----
> > From: bounce-aprssig-15695@lists.tapr.org
> > [mailto:bounce-aprssig-15695@lists.tapr.org]On Behalf Of Ronald Reams
> > Sent: Tuesday, January 22, 2002 2:59 PM
> > To: TAPR APRS Special Interest Group
> > Subject: [aprssig] RE: "Emergency!" Message Code/Position Comment, WAS
> > D700A "Emerge ncy!" Bug?
> >
> >
> > Send the car that works the area to check it out,
> > a no brainer for most depts.
> >
>
>
> Maybe that's the case in a large city - but in a rural area, that could
> easily tie up a car for 60 - 90 minutes just to find its a ham playing
with
> a new toy. You can be sure that they won't do that many times! It's bad
> enough that there is a legal obligation to respond to abandoned 911 calls
> for service.
>
> If you want a specific example - last month I responded on a call to a car
> 80' down in a ravine. It took two hours of code three response to get to
> the scene, and another hour to get to the casualties - ultimately with me
> being winched in by helicopter to provide initial medical care until
ground
> units could get close. The car went over the edge at 11am - the alarm was
> raised at 1pm - we got on scene at 3pm - extricated the last casualty at
5pm
> and got back to station at 8pm.
>
> Most agencies use priority based dispatching - and I would guess that most
> agencies will not give a high priority to the likely scenario detailed by
> Tony, KD7TA.
>
> On the single occasion that I used 'Emergency' the scenario was a big-rig
> roll over, 2 people and 20 animals trapped, road entirely blocked, no cell
> phone coverage and no response on 2m. I got an email two days later
asking
> what happened from a ham on the opposite coast.
>
> It is a great concept - but I shudder when I see suggestions such as an
> Aircraft Mayday system. At the moment, it is largely unused because it
> doesn't work. We, as hams, need to have a MOU on use of the emergency
> beacon, and then perhaps, there is an opportunity for Bob, Stan or someone
> else to write a piece for the Dispatcher fraternity.
>
> They are soon to be struggling with GPS equipped cell phones, On Star,
other
> tracking products. Maybe we can be proactive here?
>
> Drew Witham W1SAR
> (City of Redding Police)
> (Shasta County Firefighter/EMT)
>
> Shasta County Emergency Coordinator
> ARES / RACES / CDF-VIP
>
> http://www.scares.org
>

>
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>

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641. [aprssig] Re: how to documention projects?

From: Bob Bruninga <bruninga@usna.edu>
Date: Tue, 22 Jan 2002 20:00:23 -0500 (EST)
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: TAPR APRS Special Interest Group <aprssig@lists.tapr.org>
Message-ID: <LYR842-58584-2002.01.22-19.30.44--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

On Tue, 22 Jan 2002, Brian Webster wrote:

> Maybe it is time to start building some specialized how-to documents
> for the finer points of APRS.... we could draw up specialized mode how
> to directions for things like SKywarn, PCsat, DF ops, SAR uses, and
> marathons.

README's on all these subjects have always existed in the original APRSdos
docs. (List follows) It would sure be nice if someone experienced with
the other programs would read them and update them to include more generic
references to the functions and or spell out thw keystrokes for the other
programs such as WinAPRS, APRS+ and UI view, Xastir and the like...

Here are just some of the almost 90 such topical HOW-TO README's in
APRSdos: Just add .TXT for the name of the FILE:

DF,   I-O,   FIELDAY,   METEOR,   CAVES
WX,   MOBILES, IDEAS,   SPACE,   DXCLUSTR,
MARATHON, RACES,   HF,   PACSATS,   ACARS,
AIRCRAFT, ACARS,   NTS,   DR,   MILEMARK,
BOATS,   OPT-OUT, ZIP-LAN

and many more...

de WB4APR@amsat.org, Bob

PCsat WEB page	http://www.ew.usna.edu/~bruninga/pcsat.html
ISS-APRS FAQ:	http://www.ew.usna.edu/~bruninga/iss-faq.html
CUBESAT Designs	http://www.ew.usna.edu/~bruninga/cubesat.html
APRS LIVE pages	http://www.ew.usna.edu/~bruninga/aprs.html
APRS SATELLITES	http://www.ew.usna.edu/~bruninga/astars.html
MIM/Mic-E/Mic-Lite	http://www.toad.net/~wclement/bruninga/mic-lite.html

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642. [aprssig] RE: D700A "Emergency!" Bug?

From: Earl Needham <needhame@yucca.net>
Date: Tue, 22 Jan 2002 17:58:14 -0700
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-58585-2002.01.22-19.31.20--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

At 07:51 AM 1/21/2002 -0500, Joe Della Barba wrote:
>This answers some of my questions about a MAYDAY mode for my airmobile TTII.
>Did anyone call 911 or something and say there was an emergency at XX
>address?

I would assume it was ignored just the same as an ELT is ignored
until it becomes a nuisance.

```
        7 3
        Earl


*********************************************************
Earl Needham, KD5XB mailto:needhame@yucca.net
Clovis, New Mexico
KD5XB-2>APU24L,WA5IHL-11,K5BEN-15,WA5IHL-7,W5SF-1,K5CQH-15,WB5EKP-1*,TRACE7-
1:=3425.84N/10313.56W-[DM84]
Pet peeve #1: You look at a "SITE" with your "SIGHT".
Pet peeve #2: "Congratulations" does NOT have a "d" in it.
Old pet peeve: People who get themselves on a mailing list and then can't
figure out how to get OFF the list, then repeatedly sending "unsubscribe"
or "remove" as one-word messages to the list.


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643. [aprssig] Palms and other PDA's

From: John Kraus <jfkraus2@home.com>
Date: Tue, 22 Jan 2002 20:01:34 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-58586-2002.01.22-19.31.33--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

```
To the SIG, here is part of a question I posed to Bob privately. Just got
to thinking that I might as well give everyone a crack at it.

I have a question as to which of the Palm or Handspring PDA's ( or any
other brand for that matter) would anyone recommend for use as an input /
viewing device for the Alinco 135tp?  I liked Bob's idea of using one as a
user interface for the Alinco .  I just can not justify the cost of the
Kenwoods.  Yes I am aware that when bought new the combined cost is similar
however I am currently attending college and have had several opportunities
to buy various PDA's at fire sale prices. I just don't want to buy one that
is unsuited.  The Palm aprs site does not describe the features /
attributes of the units.   I would like to see a rating of various models
as to their suitability for viewing data and, maps.  Also important is the
ease of entering / changing status or beacon text.

---
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```

644. [aprssig] Re: AEA PK-12 on APRS

From: Earl Needham <needhame@yucca.net>
Date: Tue, 22 Jan 2002 18:03:26 -0700
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-58587-2002.01.22-19.37.10--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

```
At 03:58 PM 1/22/2002 -0500, Tom Clarke wrote:
>I know that I have seen it somewhere, but what is the secret to making a
>PK-12 work on APRS?
>
>I have tried 2 different TNCs and 3 different computers (APRS DOS) and even
>though the computer talks to the TNC, I get     Hdr?> and No> before every
>packet and no display on the maps.
>
>Tom/W4OKW

        I use one in KISS mode with AGWPE.  Works great!

        7 3
        Earl


*********************************************************
Earl Needham, KD5XB mailto:needhame@yucca.net
Clovis, New Mexico
KD5XB-2>APU24L,WA5IHL-11,K5BEN-15,WA5IHL-7,W5SF-1,K5CQH-15,WB5EKP-1*,TRACE7-
1:=3425.84N/10313.56W-[DM84]
Pet peeve #1: You look at a "SITE" with your "SIGHT".
Pet peeve #2: "Congratulations" does NOT have a "d" in it.
Old pet peeve: People who get themselves on a mailing list and then can't
```

figure out how to get OFF the list, then repeatedly sending "unsubscribe"
or "remove" as one-word messages to the list.

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645. [aprssig] Re: AEA PK-12 on APRS

From: Roger Grady <k9opo@comteck.com>
Date: Tue, 22 Jan 2002 20:15:21 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-58588-2002.01.22-19.45.23--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

At 03:58 PM 1/22/02 -0500, Tom Clarke wrote:
>I know that I have seen it somewhere, but what is the secret to making a
>PK-12 work on APRS?

Can you communicate with the TNC using a terminal program, such as Hyperterm? If you can't do this, the APRS program isn't going to either. The PK-12 uses an autobaud routine to automatically set itself to the same rate as the terminal. Once this is set it remembers it (if the AUTOBAUD command is still set to its default value OFF. If you set AUTOBAUD ON it runs the autobaud routine every time it's turned on). If you're not sure whether this has been done, try entering a RESET command, then type a single asterisk (*). This should trigger the autobaud routine and cause it to display the sign-on message. Once you get it communicating to this level, the AEA init file which is included with APRSdos should get you working.

Another possible glitch is with the firmware version. If you have V7.0, you need to set BBSMSGS ON. If you have V7.1, set BBSMSGS OFF. This setting is discussed somewhere in the APRSdos documentation. I don't know what setting is needed for other firmware versions.

73,
Roger Grady K9OPO

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646. [aprssig] Re: BTW

From: "Ronald Reams" <wa4mjf@worldnet.att.net>
Date: Tue, 22 Jan 2002 20:21:50 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: "APRS SIG" <aprssig@tapr.org>
Message-ID: <LYR842-58590-2002.01.22-19.54.17--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

No he ran Appalacian power company and built a dam
on the New River and called it Claytor Lake.

His house say on a hill not far from the dam.

73 de Ronnie

----- Original Message -----
From: "Earl Needham" <needhame@yucca.net>
To: "Ronald Reams" <wa4mjf@worldnet.att.net>
Sent: Tuesday, January 22, 2002 20:09
Subject: Re: [aprssig] BTW

At 05:49 PM 1/22/2002 -0500, Ronald Reams wrote:
>Bill,
>
>Where do you live in SW VA?
>
>I lived in Pulaski many moons ago and my Mom's family from Roanoke.
>
>When I was a baby ham I used to go visit Graham Claytor's
>shack in the basement of his house on the shore of his lake.
>
>Lotsa Collins and RTTY equipment.   I think his son

>was Sec of Navy for Nixon or Reagan.

        Yes, but wasn't HE an engineer on the 611 or 1218 or something?

        Earl
        Railfan

****
Earl Needham, KD5XB mailto:needhame@yucca.net
Clovis, New Mexico
KD5XB-2>APU24L,WA5IHL-11,K5BEN-15,WA5IHL-7,W5SF-1,K5CQH-15,WB5EKP-1*,TRACE7-1:=3425.84N/10313.56W-[DM84]
Pet peeve #1: You look at a "SITE" with your "SIGHT".
Pet peeve #2: "Congratulations" does NOT have a "d" in it.
Old pet peeve: People who get themselves on a mailing list and then can't
figure out how to get OFF the list, then repeatedly sending "unsubscribe"
or "remove" as one-word messages to the list.

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---

647. [aprssig] Re: BTW

From: "Ronald Reams" <wa4mjf@worldnet.att.net>
Date: Tue, 22 Jan 2002 20:29:52 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: "APRS SIG" <aprssig@tapr.org>
Message-ID: <LYR842-58591-2002.01.22-20.02.32--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

This was Graham and his son was Graham, Jr

Jr was brown shoe Navy, but don't know what line of work before
he becam Sec of Navy. Jr was not a ham I don't think.

73 de Ronnie

----- Original Message -----
From: "Earl Needham" <needhame@yucca.net>
To: "Ronald Reams" <wa4mjf@worldnet.att.net>
Sent: Tuesday, January 22, 2002 20:26
Subject: Re: [aprssig] BTW

At 08:21 PM 1/22/2002 -0500, Ronald Reams wrote:
>No he ran Appalacian power company and built a dam
>on the New River and called it Claytor Lake.
>
>His house say on a hill not far from the dam.
>
>73 de Ronnie

        Really? That's quite a coincidence. There were 2 Claytor
brothers that I know of, one was president of Norfolk & Southern, the other
(I think) president of AMTRAK.

        7 3
        Earl

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---

648. [aprssig] APRS + Off road

From: Alejandro Fernández Preda <quequiel@ciudad.com.ar>
Date: Tue, 22 Jan 2002 22:45:48 -0300
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>

Message-ID: <LYR842-58592-2002.01.22-20.15.56--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Hi everyone,

Has anyone experienced using APRS in off road trips? Interest on this topic has arrised on a local off road group as many of their SUV's are equiped with a GPS, VHF equipment, and in some cases also HF and laptop for moving map. Any comments, tips or websites are welcome as this would be a great oportunity to expand the APRS community in our country.

73's Alejandro Fernández
quequiel@ciudad.com.ar
http://aag.4t.com

649. [aprssig] Re: Palms and other PDA's

From: "Bud Talbot" <kb9wvg@arrl.net>
Date: Tue, 22 Jan 2002 20:4:12
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-58593-2002.01.22-20.34.23--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

I use a Palm IIIc with pocketaprs for my station (KPC-3+ and Kenwood 2m tnxcr). My friend uses a IIIc with the alinco 135. The color display can't be beat for map display, and with 8Mb it has plenty of memory for aprs and normal pda stuff (I use mine as a productivity tool, too). The IIIc can be picked up for $200 new (watch ebay carefully) which makes it much cheaper than the newer palms. As for ease of text entry (changing status, etc) it is easy to do within pocketaprs. This is assuming that you are proficient at entering text via graffiti. If you haven't done that before, don't worry. It's not that hard to learn. Some of the special characters escape me every now and then, but I can enter text better than I can type on a keyboard. Of course, I'm no typist!

I'm not familiar with the visors, but I'm definitely a palm os guy (rather than CE).

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650. [aprssig] RE: "Emergency!" Message Code/Position Comment, WAS D700A "Emerge ncy!" Bug?

From: "Stephen M. King" <frastephen@home.com>
Date: Tue, 22 Jan 2002 21:16:55 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-58595-2002.01.22-20.47.09--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

I still have two problems/issues/questions with this ...

1) The only info I had available to me at the time from the station sending the Emergency position comment were Latitude and Longitude and Grid square ... Not sure how a 911 operator would respond to that ...

2) No one has answered the fundamental question ... what was/is this feature intended to communicate? Should it be equated to a distress call?

Peace and 73,
Stephen
----- Original Message -----
From: "Ronald Reams" <wa4mjf@worldnet.att.net>
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Sent: Tuesday, January 22, 2002 5:58 PM
Subject: [aprssig] RE: "Emergency!" Message Code/Position Comment, WAS D700A "Emerge ncy!" Bug?

> Send the car that works the area to check it out,
> a no brainer for most depts.
>
> 73 de Ronnie
>
>
> ----- Original Message -----
> From: "Tony Arnerich" <TArnerich@IN-SITU.COM>
> To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
> Sent: Tuesday, January 22, 2002 17:42
> Subject: [aprssig] RE: "Emergency!" Message Code/Position Comment, WAS

D700A
> "Emerge ncy!" Bug?
>
>
> "Stephen M. King" <frastephen@home.com>
>
> >This is the first time I encountered this code in use, and I was baffled
as
> >to what I was supposed to do with this information. Beings the sending
> >station was a dumb tracker there was no way to know how to try to contact
> >him.
>
> You got that right!
>
> Probable conversation:
>
> Dispatch: "911, how can we help you?"
> Ham: "I want to report an emergency at location xxxxxxxx"
> D: "Please tell us your name and address."
> Joe Ham does as he is asked.
> D: "What is the nature of the emergency?"
> H: "Gee, I don't know."
> D: "Are there any injuries?"
> H: "Um, er, sorry - I have no idea."
> D: "Are you at the scene?"
> H: "No, I'm sitting in front of my computer at home, many miles away."
>
> -- pregnant pause --
>
> D: "Sir, are you aware that making prank calls on 911 is a criminal
> offense?."
>
> Could have been a purse snatching, a kidnapping, a single car accident
with
> minor injuries, a wrecked train carrying nuclear waste, or a sinking
cruise
> ship. Those require radically different aid responses, but who knows what
to
> send?
>
> 73,
> Tony KD7TA
>
>
>
>
> ---
> You are currently subscribed to aprssig as: frastephen@home.com
> To unsubscribe send a blank email to leave-aprssig-842K@lists.tapr.org
> Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org
>
>

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---

651. [aprssig] APRS HF

From: "Clark A. Lowry N7AAC" <clark@wd.org>
Date: Tue, 22 Jan 2002 20:01:17 -0700
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-58598-2002.01.22-21.32.04--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

I'm having some frustrations on APRS HF. Would someone with
experience with this please contact me off list so I can ask some
dumb questions?

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---

652. [aprssig] Re: APRS HF

From: Kim Mackey <mackeyka@mac.com>
Date: Tue, 22 Jan 2002 22:38:30 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-58602-2002.01.22-22.08.39--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

```
on 1/22/02 10:01 PM, Clark A. Lowry N7AAC at clark@wd.org wrote:

> I'm having some frustrations on APRS HF. Would someone with
> experience with this please contact me off list so I can ask some
> dumb questions?


I've been working on learning how to tune in APRS (and other packet signals)
on HF and wouldn't mind hearing the questions and answers to that myself.

--
K. Mackey
(Andy - KB9WSZ)



---
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```

653. [aprssig] Navy ALumnii

From: Bob Bruninga <bruninga@usna.edu>
Date: Tue, 22 Jan 2002 22:56:43 -0500 (EST)
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-58604-2002.01.22-22.27.01--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

```
If you are Navy or other service and involved in amateur satellites or
other  digital communications or APRS, and would like to see more easy
sats  (like PCsat for example), drop me a note.
Thanks

de WB4APR, Bob

PCsat WEB  page     http://www.ew.usna.edu/~bruninga/pcsat.html



---
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Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org
```

654. [aprssig] Cheap Radio

From: Bob Bruninga <bruninga@usna.edu>
Date: Tue, 22 Jan 2002 23:01:38 -0500 (EST)
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: <wb4apr@amsat.org>
Message-ID: <LYR842-58605-2002.01.22-22.31.55--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

```
Whats the cheapest  dual band radio with crossband repeat
built in, no other features are important, that is currently on the
market? (Needs CTCSS decode of course)...

Private replies to wb4apr@amsat.org and I will summarize...

Bob



---
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Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org
```

655. [aprssig] APRS Off Road

From: "Douglas J. Parker" <dj1parker@wideopenwest.com>
Date: Tue, 22 Jan 2002 22:25:29
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-58612-2002.01.22-22.55.42--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

```
AlejandroFernandez wrote:
```

Has anyone experienced using APRS in off road trips? Interest on this topic
has arrised on a local off road group as many of their SUV's are equiped
with a GPS, VHF equipment, and in some cases also HF and laptop for moving
map. Any comments, tips or websites are welcome as this would be a great
oportunity to expand the APRS community in our country.

73's Alejandro Fern�ndez
quequiel@ciudad.com.ar
http://aag.4t.com

Alejandro,

I live in Colorado and do quite a bit of off-road travel on ATV's and
pickup and never leave home without at least a 2m. I recently bought a
Kenwood TH-D7(G) to replace my old Icom 02-AT. I have a Garmin GPS III Plus
mounted on my Polaris 500 and will be making a mount for the D7. With that
hookup, I will be running APRS from the back country. Look for my call in
the Spring/Summer months (N4ATA) tracking through the high country of
Colorado.

73's Doug (N4ATA)

---
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656. [aprssig] Re: Navy ALumnii

From: "Douglas J. Parker" <dj1parker@wideopenwest.com>
Date: Tue, 22 Jan 2002 22:29:50
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-58613-2002.01.22-23.00.07--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

On 01/22/02, "Bob Bruninga <bruninga@usna.edu>" wrote:
> If you are Navy or other service and involved in amateur satellites or
> other digital communications or APRS, and would like to see more easy
> sats (like PCsat for example), drop me a note.
> Thanks
>
> de WB4APR, Bob
>
> PCsat WEB page   http://www.ew.usna.edu/~bruninga/pcsat.html

Hi Bob,

I am Former Navy (1967-1987) and would like to see more on your topic.

73's
Doug (N4ATA)

---
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657. [aprssig] Re: APRS HF

From: Skip Allison <sallison@megsinet.net>
Date: Tue, 22 Jan 2002 23:07:16 -0600
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-58615-2002.01.22-23.38.02--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Kim Mackey wrote:
>
> on 1/22/02 10:01 PM, Clark A. Lowry N7AAC at clark@wd.org wrote:
>
> > I'm having some frustrations on APRS HF. Would someone with
> > experience with this please contact me off list so I can ask some
> > dumb questions?
>
> I've been working on learning how to tune in APRS (and other packet signals)
> on HF and wouldn't mind hearing the questions and answers to that myself.

I ran some 30M APRS with a Kenwood TS440S. I set the system up to
beacon via ECHO. Then I kept sending a position and varied the freq by
a few Hz and did it again. I kept doing that till I heard digis come
back. Wrote down the low freq and the high freq where I could hear
digis come back then went right in the middle. Of course the digis I

heard could have been off freq, but I figured the center freq would at
least get me into a couple digis. The I put that freq into memory.

73,
Skip
K9SA

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---

658. [aprssig] RE: D700A "Emergency!" Bug?

From: RMckni8527@aol.com
Date: Wed, 23 Jan 2002 00:13:04 EST
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: aprssig@tapr.org
Message-ID: <LYR842-58616-2002.01.22-23.43.30--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

In a message dated 22-Jan-02 17:17:57 Pacific Standard Time,
needhame@yucca.net writes:

> At 07:51 AM 1/21/2002 -0500, Joe Della Barba wrote:
> >This answers some of my questions about a MAYDAY mode for my airmobile
> TTII.
> >Did anyone call 911 or something and say there was an emergency at XX
> >address?
>
>
>   I would assume it was ignored just the same as an ELT is ignored
> until it becomes a nuisance.
>

I was in CAP for quite a few years. Maybe things have changed, but we took ELT's pretty seriously. I have also just retired from a career in the USCG, and by Federal law, we cannot ignore EPIRB's. Probably 90% or more of EPIRB/ELT hits are just idiots who take it out of the bracket to paint a bulkhead or something, then forget about it. Most EPIRB's are located in a shipyard or marina at the dock. The USCG spends a LOT of money and time chasing weak or mysterious beacons, sometimes only heard by one satellite pass, but the search goes on for days involving aircraft that cost thousands of dollars an hour to operate (ever look at the cost of a C-130 plus crew?)

I've also gotta speak up on the subject of people who substitute APRS and other AMATEUR modes for dedicated SAR systems. Saving a thousand bucks or so by relying on APRS or Ham modes/freqs instead of installing an EPIRB or ELT on their boat or plane is simply stupid. If your life isn't worth the money, then why bother the rest of us with distress calls that have a VERY LOW probability of being successful. This is a HOBBY, and not intended for the immediate safety of life. Our freqs are NOT monitored 24/7, our SAT's are unreliable at best, and most of us are not properly trained to respond even if we do hear something. Use the systems that are designed for distress, they are RELIABLE and monitored all the time, the equipment is bulletproof and the people listening take it seriously. Sure, APRS might work, but why chance it to save a few dollars? And for those who panic and hit the MAYDAY button just because they got a flat tire on the interstate, or ran out of gas while fishing offshore, so sad. Take responsibility for YOURSELF and learn how to cope with an expected situation. Otherwise stay home and watch cable TV. It's just not life threatening or even an emergency, unless you're a complete incompetent and can't look out for yourself. If you're NOT carrying flares, signal triangles, appropriate clothing, those pesky expensive little things that you figured you'd never need, then don't expect your radio (that means someone ELSE) to save your backsides!

Go ahead, flame me!
Won't change my opinion...

73's
Ray - WB3ABN
Kingston, WA

---

659. [aprssig] Re: APRS + Off road

From: Skip Allison <sallison@megsinet.net>
Date: Tue, 22 Jan 2002 23:14:26 -0600
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-58617-2002.01.22-23.45.15--lyris.aprssig#tapr.org@lists.tapr.org>

Rendered body type: text/plain

I did some APRS last year when we were exploring some jeep roads in
Colorado. Don't know how much good the APRS did, but the moving map
display was a big help. We had some paper maps that showed the jeep
roads that were hard to follow, but comparing them to the Delorme maps
on the laptop was useful. I also did some hiking in the mountains with
APRS (D7 & Garmin 12MAP). Again I don't think the APRS did much for us,
but I had some QSO's on some nearby repeaters, so the D7 came in handy.
And I wouldn't think about hiking in the mountains without a GPS.

Skip
K9SA

> Alejandro Fernández Preda wrote:
>
> Hi everyone,
>
> Has anyone experienced using APRS in off road trips? Interest on this
> topic has arrised on a local off road group as many of their SUV's are
> equiped with a GPS, VHF equipment, and in some cases also HF and
> laptop for moving map. Any comments, tips or websites are welcome as
> this would be a great oportunity to expand the APRS community in our
> country.
>
> 73's Alejandro Fernández
> quequiel@ciudad.com.ar
> http://aag.4t.com
>

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660. [aprssig] Re: how to documention projects?

From: "M. Schneider" <msokla@provalue.net>
Date: Wed, 23 Jan 2002 00:25:54 -0600
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-58628-2002.01.23-00.51.59--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

I would certainly like to see something on Skywarn activity, how others are
doing it, etc. I've gotten our local club and ARES group interested in
using APRS during storm watches, and we are putting up a digipeater in the
next month or so, in time for the spring storm season here in Oklahoma. Is
there a Skywarn or ARES icon for APRS? We are trying to come up with a
symbol that would be distinctive enough to be easily recognized both by our
radar man and by the NWS office in Norman, OK, which has an APRS screen at
their ham station. Any and all suggestions appreciated.

Mark Schneider
K5MAR
Stillwater, OK ARC - K5SRC
Asst. EC, Payne Cty, OK ARES

>
> Subject: how to documention projects?
> From: "Brian Webster" <radiowebst@yahoo.com>
> Date: Tue, 22 Jan 2002 17:53:14 -0500
> X-Message-Number: 25
>
> Maybe it is time to start building some specialized how-to documents for
the
> finer points of APRS. I can think of a few that would be handy, many APRS
> users have a good grasp on the basic operation but we could draw up
> specialized mode how to directions for things like SKywarn, PCsat, DF ops,
> SAR uses, and marathons.
>
> This could be done for all the different flavors of APRS. I know there is
> quite a bit of documentation out there, but some time spent by the people
> who do these special parts of APRS can save many of the average users a
> bunch of time. This would also help get the advanced aspects of APRS in to
> the mainstream faster and easier.
>
> The Linux community has started this and it helps quite a bit.
>
> Brian, N2KGC
>

>

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661. [aprssig] RE: "Emergency!" Message Code/Position Comment, WAS D700A "Emerge ncy!" Bug?

From: James Ewen <jewen@shaw.ca>
Date: Tue, 22 Jan 2002 23:59:45 -0700
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-58631-2002.01.23-01.29.58--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

> 1) The only info I had available to me at the time from the station
sending
> the Emergency position comment were Latitude and Longitude and Grid square
> ... Not sure how a 911 operator would respond to that ...

Go to www.mapblast.com, click on the Advanced Search button, and enter in
the Lat/Long. You'll get a map of the area, with a cursor on the spot in
question. You can use that information to help the dispatcher figure out
where you are talking about.

> 2) No one has answered the fundamental question ... what was/is this
> feature intended to communicate? Should it be equated to a distress call?

>Most of the authors agreed to trigger the same reaction to any message
>that had EMERGENCY or HELP (I forget the exact context)

If we are going to implement a distress call into APRS, it had better be
WELL DEFINED, and not used lightly.

I would not consider a "roadside emergency" (flat tire) worthy of this type
of beacon. My choice for a word to associate with a distress beacon would
have been MAYDAY.

MAYDAY is a universally used term, in all radio communications. It's use
should be restricted to only the most grave and immenent danger to human
life or limb.

The words EMERGENCY and HELP are much less universally recognized, and are
commonly used for much less than a truly emergent situation. (Emergency
liquidation sales at the local furniture store come to mind...)

Of course we'll hear, because the KENWOOD radios implement Emergency, it's
written in stone... Kenwood does not drive the marketplace, they should
respond to user demand!

I would strongly suggest that if APRS is going to use a distress beacon
mode, it should be implemented as a MAYDAY, and used only for that purpose.

There is NO grey area where a MAYDAY call is concerned.

James
VE6SRV

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662. [aprssig] ELTs

From: Earl Needham <needhame@yucca.net>
Date: Wed, 23 Jan 2002 05:10:08 -0700
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-58641-2002.01.23-06.40.49--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Just to let everybody know, I am also a former member of CAP. I spent
several years as a Mission Pilot and earned both a "find" and a "save".

I am receiving numerous messages from current and former members telling

me just how important an ELT signal is, and my experience is somewhat
different.

7 3
Earl

****
Earl Needham, KD5XB mailto:needhame@yucca.net
Clovis, New Mexico
KD5XB-2>APU24L,WA5IHL-11,K5BEN-15,WA5IHL-7,W5SF-1,K5CQH-15,WB5EKP-1*,TRACE7-1:=3425.84N/10313.56W-[DM84]
Pet peeve #1: You look at a "SITE" with your "SIGHT".
Pet peeve #2: "Congratulations" does NOT have a "d" in it.
Old pet peeve: People who get themselves on a mailing list and then can't
figure out how to get OFF the list, then repeatedly sending "unsubscribe"
or "remove" as one-word messages to the list.

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Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

---

663. [aprssig] ELTs

From: Earl Needham <needhame@yucca.net>
Date: Wed, 23 Jan 2002 05:18:27 -0700
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-58667-2002.01.23-06.49.05--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

At 12:13 AM 1/23/2002 -0500, RMckni8527@aol.com wrote:
<snip>
>I've also gotta speak up on the subject of people who substitute APRS and
>other AMATEUR modes for dedicated SAR systems. Saving a thousand bucks or
>so by relying on APRS or Ham modes/freqs instead of installing an EPIRB or
>ELT on their boat or plane is simply stupid. If your life isn't worth the
>money, then why bother the rest of us with distress calls that have a VERY
>LOW probability of being successful. This is a HOBBY, and not intended
>for the immediate safety of life. Our freqs are NOT monitored 24/7, our
>SAT's are unreliable at best, and most of us are not properly trained to
>respond even if we do hear something. Use the systems that are designed
>for distress, they are RELIABLE and monitored all the time, the equipment
>is bulletproof and the people listening take it seriously. Sure, APRS
>might work, but why chance it to save a few dollars?

Uh -- perhaps you missed the below?

At 07:55 PM 1/22/2002 -0500, Joe Della Barba wrote:
>I am NOT counting on APRS as a sole-source communication system for
>aircraft. Since I fly with the TTII anyway, emergency or not, I figured that
>adding a "Mayday switch" certainly can't hurt. I have called Mayday for real
>while flying and the SAR effort was lame at best.

7 3
Earl

****
Earl Needham, KD5XB mailto:needhame@yucca.net
Clovis, New Mexico
KD5XB-2>APU24L,WA5IHL-11,K5BEN-15,WA5IHL-7,W5SF-1,K5CQH-15,WB5EKP-1*,TRACE7-1:=3425.84N/10313.56W-[DM84]
Pet peeve #1: You look at a "SITE" with your "SIGHT".
Pet peeve #2: "Congratulations" does NOT have a "d" in it.
Old pet peeve: People who get themselves on a mailing list and then can't
figure out how to get OFF the list, then repeatedly sending "unsubscribe"
or "remove" as one-word messages to the list.

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---

664. [aprssig] RE: "Emergency!" Message Code/Position Comment, WAS D700A "Emerge ncy!" Bug?

From: "Stephen M. King" <frastephen@home.com>
Date: Wed, 23 Jan 2002 09:26:47 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-58678-2002.01.23-08.57.02--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

From: "James Ewen" <jewen@shaw.ca>

> > 1) The only info I had available to me at the time from the station
> sending
> > the Emergency position comment were Latitude and Longitude and Grid
square
> > ... Not sure how a 911 operator would respond to that ...
>
> Go to www.mapblast.com, click on the Advanced Search button, and enter in
> the Lat/Long. You'll get a map of the area, with a cursor on the spot in
> question. You can use that information to help the dispatcher figure out
> where you are talking about.
>
>

This is certainly true ... but not much help when you are using a D700 in a
moving car ;-) HI!

> > 2) No one has answered the fundamental question ... what was/is this
> > feature intended to communicate? Should it be equated to a distress
call?
>
> >Most of the authors agreed to trigger the same reaction to any message
> >that had EMERGENCY or HELP (I forget the exact context)
>
> If we are going to implement a distress call into APRS, it had better be
> WELL DEFINED, and not used lightly.
>
> I would not consider a "roadside emergency" (flat tire) worthy of this
type
> of beacon. My choice for a word to associate with a distress beacon would
> have been MAYDAY.
>
> MAYDAY is a universally used term, in all radio communications. It's use
> should be restricted to only the most grave and immenent danger to human
> life or limb.
>
> The words EMERGENCY and HELP are much less universally recognized, and are
> commonly used for much less than a truly emergent situation. (Emergency
> liquidation sales at the local furniture store come to mind...)
>
> Of course we'll hear, because the KENWOOD radios implement Emergency, it's
> written in stone... Kenwood does not drive the marketplace, they should
> respond to user demand!
>
> I would strongly suggest that if APRS is going to use a distress beacon
> mode, it should be implemented as a MAYDAY, and used only for that
purpose.
>
> There is NO grey area where a MAYDAY call is concerned.
>

Good points!

Perhaps some of the SPEC folks and/or Authors could please respond to what
they envisioned for the "Emergency" Message Code in the Spec.

I agree with your point about "MAYDAY".   That IS the legal distress signal
and cannot be ignored, but everybodies notion of an "EMERGENCY" is going to
be different. Fortunately, this does not seem to being abused (again, this
is the first time in many years of APRS'ing that the "EMERGENCY" bells and
whistles went off), but I think it is a good question as to what the "alarm"
actually means....

Peace and 73,
Stephen
W3SMK

```
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```

665. [aprssig] RE: "Emergency!" Message Code/Position Comment, WAS D700A "Emerge ncy!" Bug?

```
From: Bob Bruninga <bruninga@usna.edu>
Date: Wed, 23 Jan 2002 09:37:57 -0500 (EST)
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: TAPR APRS Special Interest Group <aprssig@lists.tapr.org>
Message-ID: <LYR842-58681-2002.01.23-09.08.10--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain
```

```
On Wed, 23 Jan 2002, Stephen M. King wrote:

> Perhaps some of the SPEC folks and/or Authors could please respond to what
> they envisioned for the "Emergency" Message Code in the Spec.

It was meant to be the digital equivalent of using the autopatch to call
911.  Life is a judgment call...

Bob



---
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```

666. [aprssig] RE: "Emergency!" Message Code/Position Comment, WAS D700A "Emerge ncy!" Bug?

```
From: "Stephen M. King" <frastephen@home.com>
Date: Wed, 23 Jan 2002 10:00:58 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-58695-2002.01.23-09.31.17--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain
```

```
From: "Bob Bruninga" <bruninga@usna.edu>
> On Wed, 23 Jan 2002, Stephen M. King wrote:
>
> > Perhaps some of the SPEC folks and/or Authors could please respond to
what
> > they envisioned for the "Emergency" Message Code in the Spec.
>
> It was meant to be the digital equivalent of using the autopatch to call
> 911.  Life is a judgment call...
>
> Bob

Thanks so much for the clarification.

That would probably be a worthy addition to the Kenwood documentation.  I
don't know what the TTII documentation says about this ...

Thanks Again!
Peace and 73,
Stephen
W3SMK




---
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```

667. [aprssig] RE: "Emergency!" Message Code/Position Comment, WAS D700A "Emerge

```
From: Ken Brown <W2KB@compuserve.com>
Date: Wed, 23 Jan 2002 10:25:07 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-58703-2002.01.23-09.56.01--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain
```

```
>> It was meant to be the digital equivalent of using the autopatch to call
911.  Life is a judgment call... <<
```

```
Then it is intended only to mean send help needed immediately to protect
life or property (fire, police and/or ambulance).  So it would be improper
to use "emergency" at the scene of an emergency, for example a plane crash,
if helping with communications once the incident had been reported to
authorities.  So use "priority" at the scene?

73,

---Ken         W2KB@ARRL.net      VC-NJ     KofC

---
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```

668. [aprssig] Speed trap identification

From: "Alan Heaberlin" <amh@as.net>
Date: Wed, 23 Jan 2002 07:43:21 -0800
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-58706-2002.01.23-10.13.08--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

```
I think you may be overreacting about the simple notice of a possible speed
trap. In many states speed traps are illegal. Go to
http://www.speedtrap.org/stetlaws.htm to see a partial list of states which
prohibit speed traps--and then happily use them anyway. Many small highway
burgs enhance their general funds with unfair use of speed traps (and
collect fines at roadside!). Instead of a discussion about conspiracy, how
about a discussion about due process of law.
A speed trap can certainly be considered a "Road Hazard" and as such might
be appropriately used as a temporary object on the APRS map. Of course Ham
radio operators are usually too busy talking on the radio to drive
excessively fast. Right?
Alan Heaberlin W6AMH

> Subject: Re: Cell Phone GPS 'Air Messages'
> From: Mark Fellhauer <sparkfel@qwest.net>
> Date: Tue, 22 Jan 2002 00:47:28 -0600
> X-Message-Number: 6
>
> At 11:55 AM 1/21/02, Terry Bendell wrote:
>
> >  Hi Matt,
> >
> >Why would you be willing to aide someone who is driving at risk?
>
>
> Agreed.
>
> I hate to armchair lawyer, but I will.  Many government agencies and
> city/county/state prosecutors hold that warning other drivers/individuals
> of locations of "speed traps" and other police operations to be
obstructing
> justice.   Even if obstructing justice is a misdemeanor, a group of people
> engaging to obstruct justice becomes a conspiracy.  Conspiracy to commit a
> misdemeaner is a felony.   Committing a felony with the aid of a
> transmitter or receiver becomes a federal offense...
>
> I would also argue that the FCC grants you a license not just based on
your
> ability to pass a test and obey rules, but also on your character.  The
FCC
> can revoke your license even for conduct not related to amateur radio
> activity.
>
> Please remember that many police and DPS/Highway Patrol officers are also
> licensed amateur radio operators.  To use amateur radio to thwart their
> efforts is counter productive.   If I were a member of law enforcement,
I'd
> consider it a slap in the face.    If the local police found out about
some
> APRS "traffic warning" net they might react by stricter enforcement of
> other vehicular regulations to every vehicle they see with a 2 meter
antenna.
>
>
> Mark
> KC7BXS
```

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669. [aprssig] Re: Being clobbered on 30 m.

From: Glenn Wiebe <gswiebe@mb.sympatico.ca>
Date: Wed, 23 Jan 2002 11:05:18 -0600
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-58723-2002.01.23-11.35.27--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Hello all:

For a number of years I have been operating a 30m/2m gateway station 24/7 using Kenwood TS-440s and a Kam. The radio dial reads 10.150.00, the Kam tone frequencies are 1600/1800. I suspect that 1600/1800 is 'standard' for the Kam and perhaps other Kantronics TNC's (I could be wrong, it would not be the first time). This places the rf signals at 10.149.200 and 10.149.400. This is ten hertz different then the numbers quoted below. It's working as well as can be expected for HF packet. I have had numerous brief QSO's. Have I been doing it wrong all this time? Does ten hertz really matter? Should I change? Comments please.

73 de Glenn...VE4GN

WA8LMF2@aol.com wrote:
>
> In a message dated 1/21/02 6:49:57 AM Pacific Standard Time, k5qq@juno.com
> writes:
>
> > My radio will not transmit when I have the
> > dial set at 10151.5 LSB as it thinks it is out of band.
>
> The standard (baseband audio) HF packet tone pair is customarily 2000/2200 Hz
> (in the US at least -- the convention in Europe is a lower pair 1800/2000, I
> think).
>
> When you feed these two audio tones into an SSB transmitter set to LOWER
> sidebad at a supressed carrier (radio "dial frequency") of 10,151.50 KHz
> LSB, you are actually creating RF energy at freqs 2.000 and 2.200 Khz LOWER
> than the carrier freq.   In other words at 10,149.50 and 10,149.30 KHz.

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670. [aprssig] Re: Being clobbered on 30 m.

From: "Ronald Reams" <wa4mjf@worldnet.att.net>
Date: Wed, 23 Jan 2002 13:02:04 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: "APRS SIG" <aprssig@tapr.org>
Message-ID: <LYR842-58727-2002.01.23-12.33.09--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Hi Glenn,

If you're doin' it wrong lotsa us are.

I use the KAMPlus at 10.150.07 MHz.

We're all on the same frequency, so that's what counts,
along with bein' inside the 30 meter band limits :-)

73 de Ronnie

----- Original Message -----
From: "Glenn Wiebe" <gswiebe@mb.sympatico.ca>
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Sent: Wednesday, January 23, 2002 12:05
Subject: [aprssig] Re: Being clobbered on 30 m.

Hello all:

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using Kenwood
TS-440s and a Kam. The radio dial reads 10.150.00, the Kam tone frequencies
are 1600/1800.
I suspect that 1600/1800 is 'standard' for the Kam and perhaps other
Kantronics TNC's (I
could be wrong, it would not be the first time). This places the rf signals
at 10.149.200
and 10.149.400. This is ten hertz different then the numbers quoted below.
It's working as
well as can be expected for HF packet. I have had numerous brief QSO's. Have
I been doing
it wrong all this time? Does ten hertz really matter? Should I change?
Comments please.

73 de Glenn...VE4GN

WA8LMF2@aol.com wrote:
>
> In a message dated 1/21/02 6:49:57 AM Pacific Standard Time, k5qq@juno.com
> writes:
>
> > My radio will not transmit when I have the
> > dial set at 10151.5 LSB as it thinks it is out of band.
>
> The standard (baseband audio) HF packet tone pair is customarily 2000/2200
Hz
> (in the US at least -- the convention in Europe is a lower pair 1800/2000,
I
> think).
>
> When you feed these two audio tones into an SSB transmitter set to LOWER
> sidebad at a supressed carrier (radio "dial frequency") of 10,151.50 KHz
> LSB, you are actually creating RF energy at freqs 2.000 and 2.200 Khz
LOWER
> than the carrier freq.   In other words at 10,149.50 and 10,149.30 KHz.

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Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

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Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

---

671. [aprssig] Re: APRS + Off road

From: "Curt Mills, WE7U" <hacker@tc.fluke.com>
Date: Wed, 23 Jan 2002 10:28:31 -0800 (PST)
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: TAPR APRS Special Interest Group <aprssig@lists.tapr.org>
Message-ID: <LYR842-58734-2002.01.23-12.58.49--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

On Tue, 22 Jan 2002, Alejandro Fernández Preda wrote:

> Has anyone experienced using APRS in off road trips? Interest on this topic has arrised on a local off road group as many of their SUV's are equiped with a GPS, VHF equipment, and in some cases also HF and laptop for moving map. Any comments, tips or websites are welcome as this would be a great oportunity to expand the APRS community in our country.

I've used it while heading into my bow hunting area, and darn near
regard my normal commute as heading into the boonies as well.
I used to run 25 watts to a 1/4 wave mag-mount antenna on the roof
of my Jeep. It wasn't heard much.

I've since switched to a 50 W 2-meter rig with a 5/8 wave antenna
permanently mounted on the hood. My Jeep is now heard quite well.
The infrastructure in the populated part of the county has improved
over that time as well, but at least _some_ of the improvement was
from switching radios and antennas (probably mostly the antenna).
I'm running the cheapest 50W 2-meter I could find, and the cheapest
transmit-only TNC I could find (TinyTrak-II).

For an ideal installation I'd drill a hole and mount the ant in the
center of the roof (when my wife's wasn't around!), giving me
additional height and a better antenna pattern in all directions.

Once you get too far into the boonies and there's nobody to hear or
repeat you, APRS won't do you much good. Keep your microphone with
you so you can use the high-powered rig to hit repeaters in case you
get into trouble.

You could also try the APRS satellites. You might not get a lot of
packets in, but one or two packets a day would let people know your
approximate location. From what I've heard you can do this with a
mobile rig quite easily.

Curt Mills, WE7U   hacker.NO_*SPAM@tc.fluke.com
Senior Methods Engineer/SysAdmin
"Lotto: A tax on people who are bad at math." -- unknown
"Windows: Microsoft's tax on computer illiterates." -- WE7U

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To unsubscribe send a blank email to leave-aprssig-842K@lists.tapr.org
Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

---

672. [aprssig] Re: Tone freqs on 30M [Was: Being clobbered on 30 m.]

From: WA8LMF2@aol.com
Date: Wed, 23 Jan 2002 14:13:01 EST
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: gswiebe@mb.sympatico.ca
Message-ID: <LYR842-58743-2002.01.23-13.43.18--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

In a message dated 1/23/2002 9:07:35 AM Pacific Standard Time,
gswiebe@mb.sympatico.ca writes:

> The radio dial reads 10.150.00, the Kam tone frequencies are 1600/1800.
> I suspect that 1600/1800 is 'standard' for the Kam and perhaps other
Kantronics TNC's (I
> could be wrong, it would not be the first time). This places the rf
signals at 10.149.200
> and 10.149.400. This is ten hertz different then the numbers quoted below.
It's working as
> well as can be expected for HF packet. I have had numerous brief QSO's.
Have I been doing
> it wrong all this time? Does ten hertz really matter? Should I change?
Comments please.

I think we both made mistakes!   If the radio was really at 10.15(0).00, you
would be creating RF at 10.14(8).200 and 10.14(8).400. I think you meant to
say radio was at 10.15(1).00
[Parenthesis are substitute for bold-facing the digits - can't type numbers
in upper/lower case!.]
    And I think you really meant to say "Does 100 Hz matter?   [10 Hz
would be unnoticable; 100 Hz would definitely put you out of the passband of
high-performance data controllers or soundcard DSP softmodems!]

I made a mistake when I read out the AUDIO frequencies on my soundcard
waterfall display while I was composing the original post at about 3:30 AM
local. The waterfall cursor shows the midpoint between the two tones -- not
the tones themselves. I was in a hurry and noticed it was showing "2200"
meaning my tones at the time were actually 2100 and 2300 which when
subtracted from the LSB supressed carrier freq of 10.151.(5)00 that I was
using yields exactly the same net RF freqs as you were observing.
I carelessly took the 2200 marker to be the HIGHER of the two freqs, not the
center, resulting in the 100 Hz error in my calculations.

Actually, the KAM's mark and space tone filters on HF are switched-capacitor
filters that are individually user-commandable to any arbitrary frequencies,
to accommodate different shifts and receiver passband characteristics.

The traditional tone pair for classic 170-shift RTTY was 2125/2295. The
original 1200-baud packet tone pair based on Bell-202 landline modems was
1200/2200. When narrow-shift 300-baud HF packet was introduced, the high tone
was kept at 2200 and the low tone moved up to 2000 (the source of the error
in my original calculations was that I failed to notice I had tuned my
soundcard softmodem to a CENTER freq of 2200; not a HIGH TONE freq of 2200).

   Some HF radios, especially those equipped with very narrow SSB filters, don't perform very will with data tone pulses so close to the edge of the SSB filter passband (severe phase/group delay problems), so over time, the customary HF tone pairing was moved lower in the audio passband to 1600/1800. This is low enough to hit the flat amplitude response/minimum phase shift part of the SSB passband but still high enough that any AUDIO harmonic distortion of either tone will land far above the upper cutoff of the passband and not be transmitted.

Some other radios have dedicated FSK modes where the audio response of the receive and transmit passbands are shifted upwards to center on 2100 or so in the FSK mode. (It's actually done by automatically engaging the IF-shift passband tuning when the FSK mode is selected). With this type of radio, the orignal tone pairs work very nicely. This feature is especially nice when it allows the bandwidth of a 500-to-800-Hz wide CW filter to be centered on 2100 or so instead of 700 or 800 Hz.

With the KAM (or a soundcard soft modem) it really doesn't matter. You can shift the AUDIO tone freqs to best suit the radio in question, and then offset the RADIO dial freq to result in the same net transmitted frequencies.

Part of the problem is the way the 30-m frequency is constantly being quoted as "10.151.00 LSB" assuming a standard audio tone pair of 1600/1800 is being used.

Since there is an infinite range of possible audio tone/RF dial freq combinations that will yield the same net RF results, we REALLY ought to be saying either "FSK on 10.149.200/10.149.400".

Or do as the commercial types do, and quote the center freq AND shift such as "200Hz shift centered on 10.149.300".

Or do as the soundcard crowd does on PSK31 and quote both an RF freq AND an audio freq to make it unambigous such as "28.131USB + 1500 Hz audio".

In traditional ham systems, it was easier to measure the actual RF frequency of one or the other of the two transmitted tone frequencies (by locking the RTTY "terminal unit" or packet TNC into either constant "MARK" or constant "SPACE"). This gave rise to the convention of specifying the actual mark RF freq as the "operating frequency".

Today, today with the CENTER of the passband of soundcard softmodems being placed on waterfall displays with a mouse click (and especially as we CENTER single-frequency modes like PSK31 or CW), the commercial convention (of specifying center frequency) might be more useful to follow.

```
tephen H. Smith                   wa8lmf @ aol.com
Home Page:                         http://members.aol.com/wa8lmf
Ham Radio/Mobile SSTV page:        http://members.aol.com/wa8lmf/ham
APRS Stuff                         http://members.aol.com/wa8lmf/aprs
---------------------------------------------------------------------
|    Radio Communications Systems       Personal Computers
|                Consulting and Systems Integration
|    GPS Custom Mapping    &     Radio Coverage Surveys
|    File Conversions       MS-Windows Setups       VISCII Fonts
---------------------------------------------------------------------
```

673. [aprssig] INTERESTING GPS GADGET

From: "Ross Lane" <Ross.Lane@noaa.gov>
Date: Wed, 23 Jan 2002 14:25:37 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-58745-2002.01.23-13.53.42--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

One of my fellow runners sent me this. I am sure it could be used for APRS in some way

http://www.timex.com/spd

Ross
W1DEM

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Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

674. [aprssig] Re: Tone freqs on 30M [Was: Being clobbered on 30 m.]

From: "Ronald Reams" <wa4mjf@worldnet.att.net>
Date: Wed, 23 Jan 2002 14:22:46 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: <gswiebe@mb.sympatico.ca>
Message-ID: <LYR842-58746-2002.01.23-13.54.04--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Yeh, I misread my dial, too :-)

It is 10.151.07 MHz

The .07 is the amount the VFO is off!

But anyhow my gate is on the right frequncy, even if I don't know
what it is :-)

73 de Ronnie
----- Original Message -----
From: <WA8LMF2@aol.com>
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: <gswiebe@mb.sympatico.ca>
Sent: Wednesday, January 23, 2002 14:13
Subject: [aprssig] Re: Tone freqs on 30M [Was: Being clobbered on 30 m.]

In a message dated 1/23/2002 9:07:35 AM Pacific Standard Time,
gswiebe@mb.sympatico.ca writes:

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> I suspect that 1600/1800 is 'standard' for the Kam and perhaps other
Kantronics TNC's (I
> could be wrong, it would not be the first time). This places the rf
signals at 10.149.200
> and 10.149.400. This is ten hertz different then the numbers quoted below.
It's working as
> well as can be expected for HF packet. I have had numerous brief QSO's.
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> it wrong all this time? Does ten hertz really matter? Should I change?
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would be creating RF at 10.14(8).200 and 10.14(8).400. I think you meant to
say radio was at 10.15(1).00
[Parenthesis are substitute for bold-facing the digits - can't type numbers
in upper/lower case!.]
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high-performance data controllers or soundcard DSP softmodems!]

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waterfall display while I was composing the original post at about 3:30 AM
local. The waterfall cursor shows the midpoint between the two tones -- not
the tones themselves. I was in a hurry and noticed it was showing "2200"
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tone
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in my original calculations was that I failed to notice I had tuned my
soundcard softmodem to a CENTER freq of 2200; not a HIGH TONE freq of
2200).

Some HF radios, especially those equipped with very narrow SSB filters,
don't perform very will with data tone pulses so close to the edge of the
SSB
filter passband (severe phase/group delay problems), so over time, the

customary HF tone pairing was moved lower in the audio passband to 1600/1800.
This is low enough to hit the flat amplitude response/minimum phase shift part of the SSB passband but still high enough that any AUDIO harmonic distortion of either tone will land far above the upper cutoff of the passband and not be transmitted.
Some other radios have dedicated FSK modes where the audio response of the receive and transmit passbands are shifted upwards to center on 2100 or so in the FSK mode. (It's actually done by automatically engaging the IF-shift passband tuning when the FSK mode is selected). With this type of radio, the orignal tone pairs work very nicely. This feature is especially nice when it allows the bandwidth of a 500-to-800-Hz wide CW filter to be centered on 2100 or so instead of 700 or 800 Hz.

With the KAM (or a soundcard soft modem) it really doesn't matter. You can shift the AUDIO tone freqs to best suit the radio in question, and then offset the RADIO dial freq to result in the same net transmitted frequencies.

Part of the problem is the way the 30-m frequency is constantly being quoted as "10.151.00 LSB" assuming a standard audio tone pair of 1600/1800 is being used.
Since there is an infinite range of possible audio tone/RF dial freq combinations that will yield the same net RF results, we REALLY ought to be saying either "FSK on 10.149.200/10.149.400".
Or do as the commercial types do, and quote the center freq AND shift such as "200Hz shift centered on 10.149.300".
Or do as the soundcard crowd does on PSK31 and quote both an RF freq AND an audio freq to make it unambigous such as "28.131USB + 1500 Hz audio".

In traditional ham systems, it was easier to measure the actual RF frequency of one or the other of the two transmitted tone frequencies (by locking the RTTY "terminal unit" or packet TNC into either constant "MARK" or constant "SPACE"). This gave rise to the convention of specifying the actual mark RF freq as the "operating frequency".
Today, today with the CENTER of the passband of soundcard softmodems being placed on waterfall displays with a mouse click (and especially as we CENTER single-frequency modes like PSK31 or CW), the commercial convention (of specifying center frequency) might be more useful to follow.

```
tephen H. Smith                  wa8lmf @ aol.com
Home Page:                        http://members.aol.com/wa8lmf
Ham Radio/Mobile SSTV page:       http://members.aol.com/wa8lmf/ham
APRS Stuff                        http://members.aol.com/wa8lmf/aprs
----------------------------------------------------------------------
|    Radio Communications Systems       Personal Computers
|                Consulting and Systems Integration
|    GPS Custom Mapping    &     Radio Coverage Surveys
|    File Conversions       MS-Windows Setups       VISCII Fonts
----------------------------------------------------------------------
```

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Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

---

675. [aprssig] D700 "Emergency" Bug??? The Plot Thickens...

From: "Stephen M. King" <frastephen@home.com>
Date: Wed, 23 Jan 2002 14:26:14 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-58747-2002.01.23-13.56.37--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

BACKGROUND: A few days ago a station using a Tiny Track II was sending a position packet with the Message Code set to "Emergency!". This tripped the alarm in my D700 -- which then promptly powered-down on its own about 30 seconds after the alarm. This happened repeatedly.

RESPONSES FROM THE SIG: Several SIG members tried to duplicate this (on an unused simplex frequency other than 144.39!) using D7's and D700's .... no problems were observed.

MY OBSERVATIONS: I also tried it with a D7 -- again, no problems were observed. on my D700 which had powered-down repeatedly -- but with packets from a Tiny Track II.
I noticed that when I received the test "EMERGENCY" packets from the D7 that the alarm screen on the D700 contained the D7's station info (position, status text, etc.) along with the calculated distance and heading. BUT, when the Tiny Trak II "Emergency!" packets were received on the D700 this station information was not displayed on the Alarm Screen. When I hit the "DETAILS" button the info came up .... then shortly thereafter the radio powered-down.

QUESTION: Could someone duplicate this experiment (again, on a simplex frequency other than 144.39) with a Tiny Trak II and a D700 or D7? If there is someone in the Philadelphia area with a Tiny Trak II I would be willing to set up a test.

If there is an incompatibility between these two devices, it might be worth figuring out what the problem is ...

FWIW, I noticed in the TT II documentation that you can set up two configurations that are switch-selectable. If many folks are setting up the alternate configuration as an "Emergency!" beacon I am surpised that there have not been more false alarms ... If folks are doing this I think it would be helpful to include in the comment field where they are listening for replies to their distress call....

Thanks for the bandwidth!

Peace and 73,
Stephen
W3SMK

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---

676. [aprssig] Re: INTERESTING GPS GADGET

From: WA8LMF2@aol.com
Date: Wed, 23 Jan 2002 14:52:19 EST
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: Ross.Lane@noaa.gov
Message-ID: <LYR842-58753-2002.01.23-14.22.39--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

In a message dated 1/23/2002 11:27:50 AM Pacific Standard Time, Ross.Lane@noaa.gov writes:

> One of my fellow runners sent me this. I am sure it could be used for
> APRS in some way
>
>
> http://www.timex.com/spd

Timex actually has a watch with a BUILT-IN GPS. Unfortunately, it doesn't have an NMEA 0183 serial output; else it would be the ultimate companion for a THD7 handheld!

```
tephen H. Smith                   wa8lmf @ aol.com
Home Page:                         http://members.aol.com/wa8lmf
Ham Radio/Mobile SSTV page:        http://members.aol.com/wa8lmf/ham
APRS Stuff                         http://members.aol.com/wa8lmf/aprs
-------------------------------------------------------------------
|    Radio Communications Systems       Personal Computers
|                Consulting and Systems Integration
|    GPS Custom Mapping    &     Radio Coverage Surveys
|    File Conversions       MS-Windows Setups       VISCII Fonts
-------------------------------------------------------------------
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677. [aprssig] Cool APRS Project Update

From: <gavingroce@yahoo.com>
Date: Wed, 23 Jan 2002 14:10:04 -0600
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-58759-2002.01.23-14.40.19--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Just to let you know I now have APRS dos booting on the symbol PPT-4330 that
I got off of ebay...
http://www.qsl.net/ke4tvv/upd/5.jpg
http://www.qsl.net/ke4tvv/upd/4.jpg
http://www.qsl.net/ke4tvv/upd/3.jpg
http://www.qsl.net/ke4tvv/upd/2.jpg
http://www.qsl.net/ke4tvv/upd/1.jpg

Now it is setup to boot into aprs for dos... I need good maps for middle
tennessee :(can't find them...
I do have SA 5.0 can I use them?

I have a 10 mb ata flash card in it now and it is useing the ROM-DOS that it
has on it's 2MB flash...

Found a guy selling 64MB ata flash cards for 20 bucks so I am going to try
and put a stripped down version of 98 on it useing the demo version of
98lite (to bad it only strips it down to about 50 megs)...

My TNC should be here soon and I will hook it up.

If you would like to get a pen pad I can send you the email address of the
guy who has quite a few.

The only thing I need help on is finding a connector for the serial port.
http://www.qsl.net/ke4tvv/pdt2.jpg
I do have the pin-outs thanks to symbol :) I just don't want to hack it up
if i don't need to...

It only has one serial port and I need a low cost small way of getting
around that so I can hook the GPS and TNC up to it...

does anyone know of a latop PC serial card that has dos drivers? or a low
cost HSP device?

Lookout! I will be backpacking with this soon :)

http://www.qsl.net/ke4tvv/pdt.html

thanks,

ke4tvv

____

Do You Yahoo!?

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678. [aprssig] PCSat in the news

From: chris schwab <1schwab1@tampabay.rr.com>
Date: Wed, 23 Jan 2002 15:22:22 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: amsat-bb@AMSAT.Org
Message-ID: <LYR842-58760-2002.01.23-14.53.07--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

All:

PCSat has made DSLReports (a web site dedicated to Broadband technology)
-- http://www.dslreports.com/shownews/14432
<http://www.dslreports.com/shownews/14432>

Here is the link directly to yahoo:
http://dailynews.yahoo.com/h/ap/20020123/tc/cheap_satellite_1.html
<http://dailynews.yahoo.com/h/ap/20020123/tc/cheap_satellite_1.html>

73!
Chris N4BSA

---

679. [aprssig] Bargain-basement satellite built by U.S. Naval Academy students wears well in space

From: Ross Lane <lobsta@midmaine.com>
Date: Wed, 23 Jan 2002 15:51 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-58763-2002.01.23-15.21.17--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

____

The following story appeared in The Globe Online:
Headline: Bargain-basement satellite built by U.S. Naval Academy students wears well in space
Date: 1/23/2002 14:50
Byline:

"   ANNAPOLIS, Md. (AP) Once every 100 minutes, a bargain-basement
satellite loops around the Earth, sending and receiving digital
messages over antennas made from a metal tape measure. "
____

To read the entire story, click on the link below or cut and paste it
into a Web browser:
http://www.boston.com/dailynews/023/nation/Bargain_basement_satellite_bui:.shtml
____

This message was sent by Ross Lane [mailto:lobsta@midmaine.com]
through Boston.com's email recommendation service. If you have questions
or comments about this free service, please email us at feedback@boston.com.

---
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---

680. [aprssig] (US) National APRS freq wrong in lots of web docs!

From: WA8LMF2@aol.com
Date: Wed, 23 Jan 2002 16:22:22 EST
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-58768-2002.01.23-15.52.39--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Last night I was extensively searching the web for quick
summaries/descriptions of APRS. I came across dozens of copies of (and
quotes from) Bob's DOSaprs documents that state that 145.79 is the frequency
to use. Many of these so-called APRS introduction and information sites
haven't been updated in 1 or 2 years and are citing versions of Bob's
documents from 1999 or earlier.

Google for "145.79 MHz" and see how many references are still out there (in
the present tense -- not as past history)!

```
tephen H. Smith                   wa8lmf @ aol.com
Home Page:                         http://members.aol.com/wa8lmf
Ham Radio/Mobile SSTV page:        http://members.aol.com/wa8lmf/ham
APRS Stuff                         http://members.aol.com/wa8lmf/aprs
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681. [aprssig] Re: Being clobbered on 30 m.

From: Glenn Wiebe <gswiebe@mb.sympatico.ca>
Date: Wed, 23 Jan 2002 16:51:20 -0600
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-58783-2002.01.23-17.22.31--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

After going to the trouble of composing the message (below) and working out the frequencies using my ancient Hewlett=Packard 21 reverse polish calculator I screwed things up with two typos as several have pointed out. The rig dial reads 10.151.00, NOT 10.150.00 and the error is 100 hz NOT 10. AAARGH!!! Seniors moment!!! And I agree with the originator of this thread that we should quote RF center frequencies, not dial reading.

BTW, I use a 500 hz filter and tweak the IF shift control so that the end LED's on the Kam are of equal intensety when receiving band noise. I don't know if it helps but it doesn't hurt. HF packet needs all the help it can get.

Once more 73 from the Canadian sub-arctic...Glenn...VE4GN

> For a number of years I have been operating a 30m/2m gateway station 24/7 using Kenwood
> TS-440s and a Kam. The radio dial reads 10.150.00, the Kam tone frequencies are 1600/1800.
> I suspect that 1600/1800 is 'standard' for the Kam and perhaps other Kantronics TNC's (I
> could be wrong, it would not be the first time). This places the rf signals at 10.149.200
> and 10.149.400. This is ten hertz different then the numbers quoted below. It's working as
> well as can be expected for HF packet. I have had numerous brief QSO's. Have I been doing
> it wrong all this time? Does ten hertz really matter? Should I change? Comments please.
>
> 73 de Glenn...VE4GN
>
> WA8LMF2@aol.com wrote:
> >
> > In a message dated 1/21/02 6:49:57 AM Pacific Standard Time, k5qq@juno.com
> > writes:
> >
> > > My radio will not transmit when I have the
> > > dial set at 10151.5 LSB as it thinks it is out of band.
> >
> > The standard (baseband audio) HF packet tone pair is customarily 2000/2200 Hz
> > (in the US at least -- the convention in Europe is a lower pair 1800/2000, I
> > think).
> >
> > When you feed these two audio tones into an SSB transmitter set to LOWER
> > sidebad at a supressed carrier (radio "dial frequency") of 10,151.50 KHz
> > LSB, you are actually creating RF energy at freqs 2.000 and 2.200 Khz LOWER
> > than the carrier freq.   In other words at 10,149.50 and 10,149.30 KHz.

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682. [aprssig] Re: D700 "Emergency" Bug??? The Plot Thickens...

From: "Stephen M. King" <frastephen@home.com>
Date: Wed, 23 Jan 2002 18:37:25 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-58799-2002.01.23-18.07.58--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

From: "Curt Mills, WE7U" <hacker@tc.fluke.com>
> It might be better to capture the exact packets via the logging
> functions on APRS software. Capture both the D7A and the TT-II
> packets, then compare the two against each other and against the
> spec. Snag one emergency packet from each and post it to the aprspec
> mailing list. Someone there should be able to tell what the problem
> might be, and quickly.

Good idea, Curt! .... any TT-II users out there able to help here?????

Peace and 73,

Stephen
W3SMK

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---

683. [aprssig] Re: Speed trap identification

From: Mark Fellhauer <sparkfel@qwest.net>
Date: Wed, 23 Jan 2002 17:41:26 -0600
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-58800-2002.01.23-18.12.22--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

At 09:43 AM 1/23/02, Alan Heaberlin wrote:

>I think you may be overreacting about the simple notice of a possible speed
>trap. In many states speed traps are illegal. Go to
>http://www.speedtrap.org/stetlaws.htm to see a partial list of states which
>prohibit speed traps--and then happily use them anyway.

Obviously a biased web page. You can find people disgrunted on the web about anything, from the damper wires in Trinitron monitors to daytime running lights

> Many small highway
>burgs enhance their general funds with unfair use of speed traps (and
>collect fines at roadside!). Instead of a discussion about conspiracy, how
>about a discussion about due process of law.

Again, you've changed the subject. Many drivers I know consider a speed trap to be a lone officer sitting by the side of the road (in plain view) with a radar gun...

Collecting fines at the time of citation is a common practice and one that has been held up by the courts. BTW, if you don't pay the fine, you are usually taken to a JP and given an ajudication within hours. Paying the fine allows you to go on your way without being detained. Game Wardens do this in most Midwestern States, too. Mainly because of people who leave a jurisdiction and never return for their court appearance.

>A speed trap can certainly be considered a "Road Hazard" and as such might
>be appropriately used as a temporary object on the APRS map. Of course Ham
>radio operators are usually too busy talking on the radio to drive
>excessively fast. Right?

Again, you can try and justify your viewpoint anyway you want, it doesn't make it ethical. I suppose you could call a sting operation where police set up a pawn shop and buy stolen goods from off the street an entrapment scheme. Many lawyers have used that argument...

73,

Mark
KC7BXS

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---

684. [aprssig] Re: D700 "Emergency" Bug??? The Plot Thickens...

From: "Curt Mills, WE7U" <hacker@tc.fluke.com>
Date: Wed, 23 Jan 2002 15:43:47 -0800 (PST)
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: TAPR APRS Special Interest Group <aprssig@tapr.org>
Message-ID: <LYR842-58801-2002.01.23-18.14.12--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

On Wed, 23 Jan 2002, Stephen M. King wrote:

```
> From: "Curt Mills, WE7U" <hacker@tc.fluke.com>
> > It might be better to capture the exact packets via the logging
> > functions on APRS software.  Capture both the D7A and the TT-II
> > packets, then compare the two against each other and against the
> > spec.  Snag one emergency packet from each and post it to the aprspec
> > mailing list.  Someone there should be able to tell what the problem
> > might be, and quickly.
>
> Good idea, Curt! .... any TT-II users out there able to help here?????

I might be able to get to it later in the week.  I have a few TT-II's
and a TNC hooked up to Xastir to capture with.  No D7A's though.

What are the test conditions, just setting the message to emergency
on an unused frequency?  Anything else?

Curt Mills, WE7U                        hacker.NO_*SPAM@tc.fluke.com
Senior Methods Engineer/SysAdmin
"Lotto:    A tax on people who are bad at math." -- unknown
"Windows:  Microsoft's tax on computer illiterates." -- WE7U


---
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```

---

685. [aprssig] Re: D700 "Emergency" Bug??? The Plot Thickens...

From: "Stephen M. King" <frastephen@home.com>
Date: Wed, 23 Jan 2002 18:54:27 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: "TAPR APRS Special Interest Group" <aprssig@tapr.org>
Message-ID: <LYR842-58802-2002.01.23-18.24.45--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

```
----- Original Message -----
From: "Curt Mills, WE7U" <hacker@tc.fluke.com>
To: "Stephen M. King" <frastephen@home.com>
Cc: "TAPR APRS Special Interest Group" <aprssig@tapr.org>
Sent: Wednesday, January 23, 2002 6:43 PM
Subject: Re: [aprssig] D700 "Emergency" Bug??? The Plot Thickens...


> On Wed, 23 Jan 2002, Stephen M. King wrote:
>
> > From: "Curt Mills, WE7U" <hacker@tc.fluke.com>
> > > It might be better to capture the exact packets via the logging
> > > functions on APRS software.  Capture both the D7A and the TT-II
> > > packets, then compare the two against each other and against the
> > > spec.  Snag one emergency packet from each and post it to the aprspec
> > > mailing list.  Someone there should be able to tell what the problem
> > > might be, and quickly.
> >
> > Good idea, Curt! .... any TT-II users out there able to help here?????
>
> I might be able to get to it later in the week.  I have a few TT-II's
> and a TNC hooked up to Xastir to capture with.  No D7A's though.

Great!

>
> What are the test conditions, just setting the message to emergency
> on an unused frequency?  Anything else?

I think that is sufficient.  Anybody else have any thoughts on that?

I can capture "Emergency" packets from a D7 and D700...

Thanks!
Peace and 73,
Stephen
W3SMK




---
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```
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```

---

686. [aprssig] Re: (US) National APRS freq wrong in lots of web docs!

```
From: Bob Bruninga <bruninga@usna.edu>
Date: Wed, 23 Jan 2002 19:36:44 -0500 (EST)
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: TAPR APRS Special Interest Group <aprssig@lists.tapr.org>
Message-ID: <LYR842-58809-2002.01.23-19.07.00--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain
```

```
Yes my APRSdos docs are avaialble on my site and what you are seeing are 8
years worth of old copies out there... Mine (always current) are on

http://www.ew.usna.edu/~bruninga/docs/APRS-docs/

Notice the mixed case....

On Wed, 23 Jan 2002 WA8LMF2@aol.com wrote:

> Last night I was extensively searching the web for quick
> summaries/descriptions of APRS.  I came across dozens of copies of  (and
> quotes from) Bob's DOSaprs documents that state that 145.79 is the frequency
> to use. Many of these so-called APRS introduction and information sites
> haven't been updated in 1 or 2 years and are citing versions of Bob's
> documents from 1999 or earlier.
>
> Google for "145.79 MHz" and see how many references are still out there (in
> the present tense -- not as past history)!
>
>
> tephen H. Smith                    wa8lmf @ aol.com
> Home Page:                          http://members.aol.com/wa8lmf
> Ham Radio/Mobile SSTV page:         http://members.aol.com/wa8lmf/ham
> APRS Stuff                          http://members.aol.com/wa8lmf/aprs
> ----------------------------------------------------------------------
> |    Radio Communications Systems       Personal Computers
> |                Consulting and Systems Integration
> |    GPS Custom Mapping    &     Radio Coverage Surveys
> |    File Conversions       MS-Windows Setups       VISCII Fonts
> ----------------------------------------------------------------------
>
>
>
>
>
> ---
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> Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org
>

de WB4APR@amsat.org, Bob

PCsat WEB  page     http://www.ew.usna.edu/~bruninga/pcsat.html
ISS-APRS FAQ:       http://www.ew.usna.edu/~bruninga/iss-faq.html
CUBESAT Designs     http://www.ew.usna.edu/~bruninga/cubesat.html
APRS LIVE pages     http://www.ew.usna.edu/~bruninga/aprs.html
APRS SATELLITES     http://www.ew.usna.edu/~bruninga/astars.html
MIM/Mic-E/Mic-Lite  http://www.toad.net/~wclement/bruninga/mic-lite.html


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Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org
```

---

687. [aprssig] Re: D700 "Emergency" Bug??? The Plot Thickens...

```
From: "Joe Della Barba" <joe@dellabarba.com>
Date: Wed, 23 Jan 2002 21:06:59 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-58818-2002.01.23-20.39.10--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain
```

```
Are you all talking about using the emergency symbol (secondary symbol !) or
the emergency setting for MIC-E. I have yet to run my TTII in MIC-E mode.
Does it work well? I seem to recall some programs and Kenwoods would not
decode it.
BTW, if I go up to 10,000 feet and send EMERGENCY with 50 watts and WIDE7-7
it sounds like all the Kenwoods in 15 states will shut down!
```

```
73
Joe N3HGB


---
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```

688. [aprssig] Re: (US) National APRS freq wrong in lots of web docs!

From: "Joe Della Barba" <joe@dellabarba.com>
Date: Wed, 23 Jan 2002 21:08:29 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-58819-2002.01.23-20.40.43--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

```
That link is 404.
73 Joe N3HGB
----- Original Message -----
From: "Bob Bruninga" <bruninga@usna.edu>
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Sent: Wednesday, January 23, 2002 7:36 PM
Subject: [aprssig] Re: (US) National APRS freq wrong in lots of web docs!


> Yes my APRSdos docs are avaialble on my site and what you are seeing are 8
> years worth of old copies out there... Mine (always current) are on
>
> http://www.ew.usna.edu/~bruninga/docs/APRS-docs/
>
> Notice the mixed case....
>
> On Wed, 23 Jan 2002 WA8LMF2@aol.com wrote:
>
> > Last night I was extensively searching the web for quick
> > summaries/descriptions of APRS.  I came across dozens of copies of  (and
> > quotes from) Bob's DOSaprs documents that state that 145.79 is the
frequency
> > to use. Many of these so-called APRS introduction and information sites
> > haven't been updated in 1 or 2 years and are citing versions of Bob's
> > documents from 1999 or earlier.
> >
> > Google for "145.79 MHz" and see how many references are still out there
(in
> > the present tense -- not as past history)!
> >
> >
> > tephen H. Smith                    wa8lmf @ aol.com
> > Home Page:                          http://members.aol.com/wa8lmf
> > Ham Radio/Mobile SSTV page:         http://members.aol.com/wa8lmf/ham
> > APRS Stuff                          http://members.aol.com/wa8lmf/aprs
> > --------------------------------------------------------------------
> > |    Radio Communications Systems       Personal Computers
> > |                Consulting and Systems Integration
> > |    GPS Custom Mapping    &     Radio Coverage Surveys
> > |    File Conversions       MS-Windows Setups       VISCII Fonts
> > --------------------------------------------------------------------
> >
> >
> >
> >
> >
> > ---
> > You are currently subscribed to aprssig as: bruninga@usna.edu
> > To unsubscribe send a blank email to leave-aprssig-842K@lists.tapr.org
> > Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org
> >
>
> de WB4APR@amsat.org, Bob
>
> PCsat WEB  page     http://www.ew.usna.edu/~bruninga/pcsat.html
> ISS-APRS FAQ:       http://www.ew.usna.edu/~bruninga/iss-faq.html
> CUBESAT Designs     http://www.ew.usna.edu/~bruninga/cubesat.html
> APRS LIVE pages     http://www.ew.usna.edu/~bruninga/aprs.html
> APRS SATELLITES     http://www.ew.usna.edu/~bruninga/astars.html
> MIM/Mic-E/Mic-Lite  http://www.toad.net/~wclement/bruninga/mic-lite.html
>
```

```
>
> ---
> You are currently subscribed to aprssig as: joe@dellabarba.com
> To unsubscribe send a blank email to leave-aprssig-842K@lists.tapr.org
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>
>



---
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```

689. [aprssig] Re: (US) National APRS freq wrong in lots of web docs!

From: K3for@aol.com
Date: Wed, 23 Jan 2002 21:25:33 EST
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: <aprssig@lists.tapr.org>
Message-ID: <LYR842-58821-2002.01.23-20.55.59--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

```
It's:

http://web.usna.navy.mil/~bruninga/APRS-docs/

=======================================
>That link is 404.
>> http://www.ew.usna.edu/~bruninga/docs/APRS-docs/



---
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```

690. [aprssig] Re: D700 "Emergency" Bug??? The Plot Thickens...

From: "Stephen M. King" <frastephen@home.com>
Date: Wed, 23 Jan 2002 22:03:03 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-58832-2002.01.23-21.33.21--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

```
From: "Joe Della Barba" <joe@dellabarba.com>

> Are you all talking about using the emergency symbol (secondary symbol !)
or
> the emergency setting for MIC-E.

The MIC-E mode.

>I have yet to run my TTII in MIC-E mode.
> Does it work well? I seem to recall some programs and Kenwoods would not
> decode it.

Interesting ... curioser and curioser!

> BTW, if I go up to 10,000 feet and send EMERGENCY with 50 watts and
WIDE7-7
> it sounds like all the Kenwoods in 15 states will shut down!

:-)


Peace and 73,
Stephen
W3SMK




---
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Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org
```

691. [aprssig] Re: D700 "Emergency" Bug??? The Plot Thickens...

From: "Curt Mills, WE7U" <hacker@tc.fluke.com>
Date: Wed, 23 Jan 2002 14:47:22 -0800 (PST)
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: TAPR APRS Special Interest Group <aprssig@lists.tapr.org>
Message-ID: <LYR842-58838-2002.01.23-23.02.51--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

```
On Wed, 23 Jan 2002, Stephen M. King wrote:

> BACKGROUND:  A few days ago a station using a Tiny Track II was sending a
> position packet with the Message Code set to "Emergency!".  This tripped the
> alarm in my D700 -- which then promptly powered-down on its own about 30
> seconds after the alarm.  This happened repeatedly.
>
> RESPONSES FROM THE SIG:  Several SIG members tried to duplicate this (on an
> unused simplex frequency other than 144.39!) using D7's and D700's .... no
> problems were observed.
>
>
> MY OBSERVATIONS:  I also tried it with a D7 -- again, no problems were
> observed. on my D700 which had powered-down repeatedly  -- but with packets
> from a Tiny Track II.

It might be better to capture the exact packets via the logging
functions on APRS software.  Capture both the D7A and the TT-II
packets, then compare the two against each other and against the
spec.  Snag one emergency packet from each and post it to the aprspec
mailing list.  Someone there should be able to tell what the problem
might be, and quickly.

Curt Mills, WE7U                         hacker.NO_*SPAM@tc.fluke.com
Senior Methods Engineer/SysAdmin
"Lotto:    A tax on people who are bad at math." -- unknown
"Windows:  Microsoft's tax on computer illiterates." -- WE7U


---
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```

692. [aprssig] Backup systems?

From: "Glen Briggs (KB0RPJ) - aka wx" <wx@grundyec.net>
Date: Thu, 24 Jan 2002 01:47:27 -0600
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-58858-2002.01.24-02.18.05--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

```
does anyone know how big of a UPS system i would need to power a "basic"
APRS setup.. this would cover a computer, wireless internet modem (no digis
round here), and a 2m rig, with power supply (20a)


i see power supplies ranging from 500Va to 40KVa  how big would i need?

Thanks for your time,

Glen Briggs
IRC: wx  - DALnet & AustNET
E-Mail: wx@grundyec.net
ICQ: 1133850
http://www.qsl.net/kb0rpj/
KB0RPJ

---
who'd have known life could be so simple, yet so complex.
---


---
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```

693. [aprssig] Re: Speed trap identification

From: "Glen Briggs (KB0RPJ) - aka wx" <wx@grundyec.net>
Date: Thu, 24 Jan 2002 01:59:33 -0600
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-58859-2002.01.24-02.30.10--lyris.aprssig#tapr.org@lists.tapr.org>

Rendered body type: text/plain

```
>>  Many small highway
>>burgs enhance their general funds with unfair use of speed traps (and
>>collect fines at roadside!). Instead of a discussion about conspiracy, how
>>about a discussion about due process of law.
>


Off topic with this, but in most states, if not all, the state law limits
the amount of funds a city can take in with fines/fees to around 20%, in
other words, only 20% of the cities total budget can come from speeding
tickets, bulding fees ect.   if the city collects more than the 20% it has
to either pay a fine to the state, or refund the outstanding % to the
cities taxpayers (i've seen some cities do this in the form of "no tax
days" ect.)

so the point that many small towns use the money to pad there pockets is,
well, false



Thanks for your time,

Glen Briggs
IRC: wx  - DALnet & AustNET
E-Mail: wx@grundyec.net
ICQ: 1133850
http://www.qsl.net/kb0rpj/
KB0RPJ

---
who'd have known life could be so simple, yet so complex.
---



---
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```

---

694. [aprssig] Re: aprssig digest: January 23, 2002

From: "Derrick L. George" <derrick.george@worldnet.att.net>
Date: Thu, 24 Jan 2002 04:22:14 -0700
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-58868-2002.01.24-05.53.08--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

```
I will be on vacation from October 3-12. I will not have access to email during this period.
Thank you,
Derrick George
Market Scan
National Accounts Division
```

---

695. [aprssig] StreetPilot III and D700

From: "Joe Sartori" <jsartori@paxton.com>
Date: Thu, 24 Jan 2002 07:01:02 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-58870-2002.01.24-06.31.15--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

```
I saw a message awhile back stating that the StreetPilot III had 2 way
com with the D700.  Can someone enlighten me??

Thanks,

Joe Sartori K3WTF
MIS Director
The Paxton Companies, Inc.
 <<Joe Sartori (Joe Sartori).vcf>>
```

[Attachment: Joe Sartori (Joe Sartori).vcf; text/x-vcard; 131 bytes]

---

696. [aprssig] PCSat got slashdotted!

From: "Kurt A. Freiberger" <wb5bbw@airmail.net>
Date: Thu, 24 Jan 2002 07:26:31 -0600
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-58874-2002.01.24-07.56.55--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

http://slashdot.org/articles/02/01/24/0052252.shtml

73/Kurt

Kurt Freiberger, WB5BBW   wb5bbw@airmail.net

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Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

---

697. [aprssig] Re: PCSat got slashdotted!

From: "Mike Yetsko" <myetsko@insydesw.com>
Date: Thu, 24 Jan 2002 09:17:32 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-58879-2002.01.24-08.47.46--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

There was also a fairly large article in the local paper today (the
Worcester
Star Telegram) about the sat. Probably 1/4 page in the technology
section,
though not on the front of the section. Including a good size drawing.

VERY positive article.

Mike

----- Original Message -----

> http://slashdot.org/articles/02/01/24/0052252.shtml
>
> 73/Kurt
>
>
> ---
> Kurt Freiberger, WB5BBW   wb5bbw@airmail.net
>
>
>
> ---
> You are currently subscribed to aprssig as: myetsko@insydesw.com
> To unsubscribe send a blank email to leave-aprssig-842K@lists.tapr.org
> Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org
>
>

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To unsubscribe send a blank email to leave-aprssig-842K@lists.tapr.org
Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

---

698. [aprssig] RE: D700 to Street Pilot III comm

From: "powersb@willinet.net" <powersb@willinet.net>
Date: Thu, 24 Jan 2002 09:24:37 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: "aprssig@lists.tapr.org" <aprssig@lists.tapr.org>
Message-ID: <LYR842-58881-2002.01.24-08.54.55--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

I don't have the details here in front of me, but what happens, is as positions come into the D700 via
APRS, the waypoints get plotted on the Streetpilot III. You can then see them on the map! You can
route to them etc.

Without the GPS and D700 in front of me, I forget how to turn the D700 to GPS function on. I don't even
remember if it's a Streetpilot, D700 or both option. Maybe someone else can fill in the blanks here.

The only downside, is that they don't go away by themselves. Once they are in the GPS they stay there
unless you manually delete them.

The way I handle this in the GPS is all the waypoints I create manually, I use something different than
the default "dot" icon. Such as a house or something. When the D700 creates waypoints, it uses the
default "dot". Every so often, I then go into the GPS, select a D700 created waypoint, and delete it.
There is a menu choice on delete that asks if you want to delete all waypoints of this type, and I say

```
"yes".  This then deletes all my D700 created Icons and leaves all the rest.

Bob - N0YKX

Original Message:
-----------------
From: Joe Sartori jsartori@paxton.com
Date: Thu, 24 Jan 2002 07:49:14 -0500


I have a III and a d700.  Data from gps goes into the radio fine.  In
your post u mentioned uploading waypoints?  Why and how do I want to do
that?  I know this didn't come out right so lets try agn.  I have a III
and a d700.  What is neat and exciting about this combo?


--------------------------------------------------------------------
mail2web - Check your email from the web at
http://mail2web.com/ .


---
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```

---

699. [aprssig] Re: Speed trap identification

From: Earl Needham <needhame@yucca.net>
Date: Thu, 24 Jan 2002 07:31:03 -0700
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-58884-2002.01.24-09.03.59--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

```
At 01:59 AM 1/24/2002 -0600, Glen Briggs (KB0RPJ) - aka wx wrote:

>>>  Many small highway
>>>burgs enhance their general funds with unfair use of speed traps (and
>>>collect fines at roadside!). Instead of a discussion about conspiracy, how
>>>about a discussion about due process of law.
>Off topic with this, but in most states, if not all, the state law limits
>the amount of funds a city can take in with fines/fees to around 20%, in
>other words, only 20% of the cities total budget can come from speeding
>tickets, bulding fees ect.   if the city collects more than the 20% it has
>to either pay a fine to the state, or refund the outstanding % to the
>cities taxpayers (i've seen some cities do this in the form of "no tax
>days" ect.)
>
>so the point that many small towns use the money to pad there pockets is,
>well, false

         Not exactly -- they pad their budget by that 20%.  Actually, I
believe it's 30% in Texas.  Either way, if they count on 20% of, say, 20
million dollars, that's what?  Maybe 4 million the taxpayers of that town
don't have to come up with.

         So -- do you think they count on getting that revenue from traffic
tickets?  And, if they do, what happens towards the end of the fiscal year
when they still don't have all of it?

         7 3
         Earl


*********************************************************
Earl Needham, KD5XB mailto:needhame@yucca.net
Clovis, New Mexico
KD5XB-2>APU24L,WA5IHL-11,K5BEN-15,WA5IHL-7,W5SF-1,K5CQH-15,WB5EKP-1*,TRACE7-
1:=3425.84N/10313.56W-[DM84]
Pet peeve #1: You look at a "SITE" with your "SIGHT".
Pet peeve #2: "Congratulations" does NOT have a "d" in it.
Old pet peeve: People who get themselves on a mailing list and then can't
figure out how to get OFF the list, then repeatedly sending "unsubscribe"
or "remove" as one-word messages to the list.


---
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```

700. [aprssig] RE: Backup systems?

From: "W1SAR" <w1sar@searcher.org>
Date: Thu, 24 Jan 2002 08:20:48 -0800
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-58910-2002.01.24-10.51.09--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

```
> -----Original Message-----
> From: bounce-aprssig-15695@lists.tapr.org
> [mailto:bounce-aprssig-15695@lists.tapr.org]On Behalf Of Glen Briggs
> (KB0RPJ) - aka wx
> Sent: Wednesday, January 23, 2002 11:47 PM
> To: TAPR APRS Special Interest Group
> Subject: [aprssig] Backup systems?
>
>
> does anyone know how big of a UPS system i would need to power a "basic"
> APRS setup.. this would cover a computer, wireless internet modem
> (no digis
> round here), and a 2m rig, with power supply (20a)
>
>
> i see power supplies ranging from 500Va to 40KVa  how big would i need?
>

The biggest variable in this equation is how many minutes, hours, days or
weeks do you want your system to run without an external power feed?

Many basic UPS systems just provide enough power to wait 30 seconds then
power the system down properly - others can provide many hours of ongoing
operation.

Basic equation, bigger the capacity the longer it will run before shutting
down.

Drew Witham W1SAR
Shasta County Emergency Coordinator
ARES / RACES / CDF-VIP

http://www.scares.org


---
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```

701. [aprssig] GPS Units

From: <gavingroce@yahoo.com>
Date: Thu, 24 Jan 2002 10:36:16 -0600
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-58912-2002.01.24-11.06.43--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

```
Cool .. JUST FYI

-----Original Message-----
From: Art Dalton [mailto:adalton@mts.net]
Sent: Thursday, January 24, 2002 9:08 AM
To: gavingroce@yahoo.com
Subject: case info


I'm not sure what you mean?
I suspect you want a small, roof-mountable gps/antenna module unit with a
9-pin serial connector that, when you apply power, outputs nmea position
information to whatever device you have attached (like a laptop, for
example).
We have these in stock. Power is supplied to the module via a cigarette
lighter adapter which is included. Price is US$89 plus $10 shipping. We
accept VISA

You also might be talking about an otterbox case. All of ours have windows.


Call to order 1-888-444-0302

Art Dalton
```

Prairie Geomatics Ltd

____

Do You Yahoo!?

Get your free @yahoo.com address at http://mail.yahoo.com

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702. [aprssig] PCsat SAR system activated

From: Bob Bruninga <bruninga@usna.edu>
Date: Thu, 24 Jan 2002 13:57:46 -0500 (EST)
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-58935-2002.01.24-13.28.18--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

PCsat SAR mission Activated.

First the CAVEAT: *** THis is HAM RADIO **** and should never, ever, be considered even as the slightest substitute for the official SAR, EPRB and other commercial technologies for emergency reporting of remote travelers.
****

Today at 1815z we activated the experimental PCsat SAR capability. THis "experimental" capability allows any remote traveler with only the TH-D7 HT in his pocket or D700 mobile rig (or other Mic-E compatible APRS system) anywhere on the planet to send up an Emergency or Priority message for store-and-forward via PCsat to the rest of the world.

Normally PCsat relays communications only within its footprint, so normal messages only reach the worldwide APRS internet linked system if there is a downlink SATgate in the footprint. ALthough we have such stations around the world, including SANAE on Antarctica, there are vast areas with no one monitoring the downlink.

To test this capability, we transmitted a single "test/priority" packet and it was captured by the satellite and will be replayed once every 5 minutes on the 144.39 downlink over the USA. There it will be picked up by the continent-wide APRS system and be visible to all users. Look for the packet from WB4APR-8, saying in part... "Test of emerg/priority system."

Remote travelers desiring access to this system let us know...

It was implemented within the KPC-9612+ TNC by a slight modification to the MHEARD log that is found in all TNC's. The TNC captures only the special packets to its AHEARD log and then has a setting called ABEACON that tells the TNC how often to dump its AHEARD log.. Remember, PCsat has no computer or operational program on board. It is only a flying TNC...

de WB4APR@amsat.org, Bob

PCsat WEB page	http://www.ew.usna.edu/~bruninga/pcsat.html
ISS-APRS FAQ:	http://www.ew.usna.edu/~bruninga/iss-faq.html
APRS LIVE pages	http://www.ew.usna.edu/~bruninga/aprs.html
APRS SATELLITES	http://www.ew.usna.edu/~bruninga/astars.html

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Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

703. [aprssig] Re: GPS Units

From: WA8LMF2@aol.com
Date: Thu, 24 Jan 2002 14:02:16 EST
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: gavingroce@yahoo.com
Message-ID: <LYR842-58936-2002.01.24-13.32.50--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

In a message dated 1/24/2002 8:38:39 AM Pacific Standard Time,
gavingroce@yahoo.com writes:

> I suspect you want a small, roof-mountable gps/antenna module unit with a
> 9-pin serial connector that, when you apply power, outputs nmea position
> information to whatever device you have attached (like a laptop, for
> example).
> We have these in stock. Power is supplied to the module via a cigarette
> lighter adapter which is included. Price is US$89 plus $10 shipping. We
> accept VISA

Looks like a typo -- I think it is $189 not $89! I think this is the Tri-M Systems "Smart Skymaster" . It is a complete patch antenna AND receiver in a package about the size of a patch antenna alone. It hardmounts through a single 3/4" hole in the car's body sheetmetal. You feed 5VDC into the unit and RS-232 NMEA-0183 data comes out. I am currently using one of these with my D700. There is a pic of it on my website at:
http://members.sol.com/wa8lmf/aprs

If they are really selling it for 89, then they are underselling the US distributer of this same ant/receiver by $100! I'll order a bunch at that price.

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Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

---

704. [aprssig] Re: Speed trap identification

From: "Joe Dorn" <joedorn@stonemedia.com>
Date: Thu, 24 Jan 2002 14:00:52 -0600
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-58953-2002.01.24-14.32.35--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Sorry about off topic but....

Speed traps are a special hatred of mine. Texas has many small towns that extend their city limits well past the last evidence of a town or city along a state highway and hold the speed limit artificially low to entrap motorist that are driving at or near the normal speed limit. I have been stopped twice in this type of trap the past three years while driving well over a hundred thousand miles without any other tickets. With all of the electronic toys I have had, I have never owned a radar detector because I don't need one.

I beat one by asking for a jury trial (I would have won the case on the merits had it gone to trial) in a town of eight hundred people and a very active police force. The other situation was while storm spotting during a tornado WARNING and not noticing the city limit or speed limit signs. In both cases I received a ticket for eleven miles over which was about right. I took the easy way out on the second ticket because of the mileage I would have had to travel to defend myself...

Texas has laws that limit towns to the amount of fine money they may keep, but it does not restrict the court costs at fifty bucks a pop... A lot of the money never gets reported; at least three towns were bankrupted when the state caught them at it... It is legalized highway robbery... THE SORRY TOWNS DO PAD THEIR POCKETS and some of the official's pockets also...

Soapbox off...

Joe Dorn, W5VEX, Belton, Texas

-----Original Message-----
From: bounce-aprssig-23581@lists.tapr.org
[mailto:bounce-aprssig-23581@lists.tapr.org]On Behalf Of Glen Briggs
(KB0RPJ) - aka wx
Sent: Thursday, January 24, 2002 2:00 AM
To: TAPR APRS Special Interest Group
Subject: [aprssig] Re: Speed trap identification

>> Many small highway
>>burgs enhance their general funds with unfair use of speed traps (and
>>collect fines at roadside!). Instead of a discussion about conspiracy, how
>>about a discussion about due process of law.
>

Off topic with this, but in most states, if not all, the state law limits the amount of funds a city can take in with fines/fees to around 20%, in other words, only 20% of the cities total budget can come from speeding tickets, bulding fees ect.   if the city collects more than the 20% it has to either pay a fine to the state, or refund the outstanding % to the cities taxpayers (i've seen some cities do this in the form of "no tax days" ect.)

so the point that many small towns use the money to pad there pockets is, well, false

who'd have known life could be so simple, yet so complex.

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---

705. [aprssig] Re: Speed trap identification

From: "Jacques Voisin" <jvoisin@evcom.net>
Date: Thu, 24 Jan 2002 15:28:06 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-58955-2002.01.24-14.57.52--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

What does this have to do with APRS?

Jacques C. Voisin, N4JCV, AAR4JI
SKYWARN Manager Orange County, FL
ARC of Central Florida. Comm Chairman, Trustee N4ARC
ARES/RACES of Orange County, FL
http://evcom.net/~jvoisin/ares.htm
e-mail: jvoisin@evcom.net or n4jcv@arrl.net

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---

706. [aprssig] ADMIN: Re: Speed trap identification

From: "Horzepa, Stan" <SHorzepa@c-cor.net>
Date: Thu, 24 Jan 2002 15:31:15 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-58958-2002.01.24-15.03.32--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Please take this off-topic discussion off the SIG.

Thank-you for your cooperation,

Stan Horzepa, WA1LOU, APRSSIG adminsitrator

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Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

---

707. [aprssig] Associated Press article on PCSat seen today

From: "Robert Donnell" <bobdonnell@arkalmus.com>
Date: Thu, 24 Jan 2002 13:15:11 -0800
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-58961-2002.01.24-15.45.33--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Hi All,

There's a nice article by Tom Stuckey of the Associated Press in today's Seattle Post Intelligencer, on page E2, the Technology page in the Business section. Includes some of the history, function, and has a basic construction sketch. Very nice publicity Bob!

73, Bob, KD7NM

```
-----------------------------------------------------------------
Robert Donnell, KD7NM                           (425) 741-0999
14507 Madison Way                   mailto:kd7nm@pugetsound.net
Lynnwood, WA  98037
       Western Washington Amateur IP Address Coordinator
-----------------------------------------------------------------
```

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---

708. [aprssig] Re: Associated Press article on PCSat seen today

From: BMcLarty@trustmark.com
Date: Tue, 29 Jan 2002 15:29:21 -0600
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: aprssig@lists.tapr.org, bounce-aprssig-26877@lists.tapr.org
Message-ID: <LYR842-58963-2002.01.24-15.59.54--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

It's on their website, too.

http://seattlepi.nwsource.com/business/55597_satellite24.shtml

```
                    "Robert Donnell"
                    <bobdonnell@arkalmus.com>        To:     "TAPR APRS Special Interest Group"
                    Sent by:                         <aprssig@lists.tapr.org>
                    bounce-aprssig-26877@list        cc:
                    s.tapr.org                       Subject:     [aprssig] Associated Press article
                                                     on PCSat seen today

                    01/24/02 03:15 PM
```

Hi All,

There's a nice article by Tom Stuckey of the Associated Press in today's Seattle Post Intelligencer, on page E2, the Technology page in the Business section. Includes some of the history, function, and has a basic construction sketch. Very nice publicity Bob!

73, Bob, KD7NM

```
-----------------------------------------------------------------
Robert Donnell, KD7NM                           (425) 741-0999
14507 Madison Way                   mailto:kd7nm@pugetsound.net
Lynnwood, WA  98037
       Western Washington Amateur IP Address Coordinator
-----------------------------------------------------------------
```

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Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

709. [aprssig] AHubIN, and AHubSAT, outage....

From: Zachary Michael <kb9uqq_2000@yahoo.com>
Date: Thu, 24 Jan 2002 14:24:54 -0800 (PST)
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-58967-2002.01.24-16.55.11--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Everybody,
AHubIN, and AHubSAT will be down for the next few days. (Until Sunday) There are many reasons, but the main two, are because I'll be doing some hardware upgrading, and having a few little ISP problems that I need to get worked out with them. If you try to use AHubIN, or AHubSAT, you will be re-directed to AHubWest. Sorry for any inconvience that this may cause.
73 de kb9uqq
--
Zachary Grant Michael, KB9UQQ
http://www.qsl.net/kb9uqq/

____
Do You Yahoo!?
Great stuff seeking new owners in Yahoo! Auctions!
http://auctions.yahoo.com

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710. [aprssig] Assistance

From: "Quentin Falkenbury" <qjf2@hotmail.com>
Date: Thu, 24 Jan 2002 23:16:58 +0000
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-58976-2002.01.24-17.47.16--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Does anyone know if you can pass unconnected aprs messages via conventional packet nodes like beacons pass thru the network.also i would be interested in hearing from others in North Dakota working Aprs.
Thanks Quentin
KC2CIM

____
Chat with friends online, try MSN Messenger: http://messenger.msn.com

---
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711. [aprssig] status text ttII

From: "Joe Della Barba" <joe@dellabarba.com>
Date: Thu, 24 Jan 2002 18:41:23 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-58977-2002.01.24-18.13.31--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

My status field in my TTII is supposed to be joe@dellabarba.com, but the status on FINDU is always "Status: TinyTrakII v1.00".
Sometimes joe@dellabarba.com gets put on the end of the raw packet. Anyone know why this happens?
Thanks,
73 de N3HGB
Joe

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712. [aprssig] Re: Backup systems?

From: "Brad Darnell" <darnellb10@home.com>
Date: Thu, 24 Jan 2002 19:14:12 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-58986-2002.01.24-18.43.57--lyris.aprssig#tapr.org@lists.tapr.org>

Rendered body type: text/plain

2 kVA ought to do it nicely.

Brad - WA9BD

----- Original Message -----
From: "Glen Briggs (KB0RPJ) - aka wx" <wx@grundyec.net>
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Sent: Thursday, January 24, 2002 2:47 AM
Subject: [aprssig] Backup systems?

> does anyone know how big of a UPS system i would need to power a "basic"
> APRS setup.. this would cover a computer, wireless internet modem (no
digis
> round here), and a 2m rig, with power supply (20a)
>
>
> i see power supplies ranging from 500Va to 40KVa how big would i need?
>
> Thanks for your time,
>
> Glen Briggs
> IRC: wx - DALnet & AustNET
> E-Mail: wx@grundyec.net
> ICQ: 1133850
> http://www.qsl.net/kb0rpj/
> KB0RPJ
>
> ---
> who'd have known life could be so simple, yet so complex.
> ---
>
>
> ---
> You are currently subscribed to aprssig as: darnellb10@home.com
> To unsubscribe send a blank email to leave-aprssig-842K@lists.tapr.org
> Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org
>

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Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

713. [aprssig] RE: Backup systems?

From: "Brad Darnell" <darnellb10@home.com>
Date: Thu, 24 Jan 2002 19:19:28 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-58988-2002.01.24-18.49.15--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

"Basic equation, bigger the capacity the longer it will run before shutting
down."

I beg to differ. Runtime is a function of battery capacity, not UPS
capacity. The battery configuration must be matched to the desired runtime,
not the UPS capacity.

----- Original Message -----
From: "W1SAR" <w1sar@searcher.org>
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Sent: Thursday, January 24, 2002 11:20 AM
Subject: [aprssig] RE: Backup systems?

> > -----Original Message-----
> > From: bounce-aprssig-15695@lists.tapr.org
> > [mailto:bounce-aprssig-15695@lists.tapr.org]On Behalf Of Glen Briggs
> > (KB0RPJ) - aka wx
> > Sent: Wednesday, January 23, 2002 11:47 PM
> > To: TAPR APRS Special Interest Group
> > Subject: [aprssig] Backup systems?
> >
> >

> > does anyone know how big of a UPS system i would need to power a "basic"
> > APRS setup.. this would cover a computer, wireless internet modem
> > (no digis
> > round here), and a 2m rig, with power supply (20a)
> >
> >
> > i see power supplies ranging from 500Va to 40KVa how big would i need?
> >
>
> The biggest variable in this equation is how many minutes, hours, days or
> weeks do you want your system to run without an external power feed?
>
> Many basic UPS systems just provide enough power to wait 30 seconds then
> power the system down properly - others can provide many hours of ongoing
> operation.
>
> Basic equation, bigger the capacity the longer it will run before shutting
> down.
>
> Drew Witham W1SAR
> Shasta County Emergency Coordinator
> ARES / RACES / CDF-VIP
>
> http://www.scares.org
>
>
> ---
> You are currently subscribed to aprssig as: darnellb10@home.com
> To unsubscribe send a blank email to leave-aprssig-842K@lists.tapr.org
> Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org
>

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Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

714. [aprssig] RE: status text ttII

From: Bill Diaz <billdiaz@megsinet.net>
Date: Thu, 24 Jan 2002 18:19:42 -0600
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-58989-2002.01.24-18.50.33--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Joe,
AFAIK, FindU cannot decode raw Mic-E packets. It must rely on conversion
by IGATES, Hubs or Servers. These conversions are then placed on the APRS
IS feed. Some conversions are simply in error, or may not include all of
the data available in the raw Mic-E packet.

The incorrect or missing data is usually not the fault of the Kenwoods,
TinyTrack etc, but is usually the fault of the applications that provide
the conversions to the APRS IS and ultimately to FindU.

Bill KC9XG

On Thursday, January 24, 2002 17:41, Joe Della Barba
[SMTP:joe@dellabarba.com] wrote:

> My status field in my TTII is supposed to be joe@dellabarba.com, but the
> status on FINDU is always "Status: TinyTrakII v1.00".
> Sometimes joe@dellabarba.com gets put on the end of the raw packet.
Anyone
> know why this happens?
> Thanks,
> 73 de N3HGB
> Joe

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Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

715. [aprssig] RE: Assistance

From: "Robert Donnell" <bobdonnell@arkalmus.com>
Date: Thu, 24 Jan 2002 16:20:33 -0800
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>

Message-ID: <LYR842-58990-2002.01.24-18.51.11--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

```
APRS packets (all of them) are unconnected information packets.
Beacons are unconnected information packets.

So if the node is configured to allow digipeating beacons, it should also
digipeat APRS packets.  The would hold true unless the node has additionally
been configured to only pass packets with a destination of "BEACON" or
similar, or has been configured to reject packets from stations that have
been identified as running APRS.  Also, the UNPROTO path would have to be
via the node's name or callsign.

73, Bob

-----------------------------------------------------------------
Robert Donnell, KD7NM                             (425) 741-0999
14507 Madison Way                     mailto:kd7nm@pugetsound.net
Lynnwood, WA  98037
       Western Washington Amateur IP Address Coordinator
-----------------------------------------------------------------

> -----Original Message-----
> From: bounce-aprssig-17768@lists.tapr.org
> [mailto:bounce-aprssig-17768@lists.tapr.org]On Behalf Of Quentin
> Falkenbury
> Sent: Thursday, January 24, 2002 3:17 PM
> To: TAPR APRS Special Interest Group
> Subject: [aprssig] Assistance
>
>
> Does anyone know if you can pass unconnected aprs messages
> via conventional
> packet nodes like beacons pass thru the network.also i would
> be interested
> in hearing from others in North Dakota working Aprs.
>


---
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Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org
```

716. [aprssig] Re: Backup systems?

From: Phil Reed <preed@dnaco.net>
Date: Thu, 24 Jan 2002 19:21:02 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-58991-2002.01.24-18.58.39--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

```
At 01:47 AM 1/24/2002 -0600, Glen Briggs (KB0RPJ) - aka wx wrote:
>does anyone know how big of a UPS system i would need to power a "basic"
>APRS setup.. this would cover a computer, wireless internet modem (no
>digis round here), and a 2m rig, with power supply (20a)

Depends on the current draw. VA is (very roughly) watts, so figure out how
many watts your equipment draws. Then ask yourself how much time you need
at that power and use that to size the UPS.


---

                                  ...phil / w8sca

"For a list of all the ways technology has failed
     to improve the quality of life, press 3."


---
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```

717. [aprssig] Re: Backup systems?

From: "N2PQV" <n2pqv@johns-house.com>
Date: Thu, 24 Jan 2002 19:45:09 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-58994-2002.01.24-19.15.57--lyris.aprssig#tapr.org@lists.tapr.org>

Rendered body type: text/plain

```
check out the APC selector guide...
it may help a little...

http://apcc.com/template/size/apc/

John N2PQV

-----Original Message-----
From: bounce-aprssig-10857@lists.tapr.org
[mailto:bounce-aprssig-10857@lists.tapr.org]On Behalf Of Phil Reed
Sent: Thursday, January 24, 2002 7:21 PM
To: TAPR APRS Special Interest Group
Subject: [aprssig] Re: Backup systems?


At 01:47 AM 1/24/2002 -0600, Glen Briggs (KB0RPJ) - aka wx wrote:
>does anyone know how big of a UPS system i would need to power a "basic"
>APRS setup.. this would cover a computer, wireless internet modem (no
>digis round here), and a 2m rig, with power supply (20a)

Depends on the current draw. VA is (very roughly) watts, so figure out how
many watts your equipment draws. Then ask yourself how much time you need
at that power and use that to size the UPS.


---

                                  ...phil / w8sca

"For a list of all the ways technology has failed
     to improve the quality of life, press 3."


---
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Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org
```

718. [aprssig] RE: Backup systems?

From: Phil Reed <preed@dnaco.net>
Date: Thu, 24 Jan 2002 19:42:12 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-58995-2002.01.24-19.17.37--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

```
At 07:19 PM 1/24/2002 -0500, Brad Darnell wrote:
>"Basic equation, bigger the capacity the longer it will run before shutting
>down."
>
>I beg to differ. Runtime is a function of battery capacity, not UPS
>capacity. The battery configuration must be matched to the desired runtime,
>not the UPS capacity.

True, but in today's off-the-shelf UPS systems, you don't get to choose.
The systems are sized to provide a short (10 minute?) run time at max
capacity, and that's the (k)VA number you see on the unit. If you aren't
running at that capacity, you get more run time. In order to get a system
that lets you add run time, you have to start with high-end UPS systems and
go up.




---

                                  ...phil / w8sca

"For a list of all the ways technology has failed
```

```
     to improve the quality of life, press 3."


---
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```

719. [aprssig] Re: [amsat-bb] PCSAT.EXE

From: Bob Bruninga <bruninga@usna.edu>
Date: Thu, 24 Jan 2002 20:33:29 -0500 (EST)
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: amsat-bb <amsat-bb@AMSAT.Org>,
TAPR APRS Special Interest Group <aprssig@tapr.org>
Message-ID: <LYR842-59009-2002.01.24-20.05.43--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

```
I just updated PCSAT.EXE to PCSAT001.zip so that it will work with
COM2.  Download: ftp://tapr.org/aprssig/dosstuff/APRSdos/pcsat001.zip
de WB4APR, Bob

On Thu, 24 Jan 2002, John Heath wrote:

> Hi  Gang,
>
> Downloaded the latest version of PCSAT.EXE
>
> Software looks great, can't wait to use it but no joy with my  ancient TNC
> which is supposed to be a TAPR-2 clone.  Works fine for PCSAT with a
> terminal program but not with PCSAT.EXE
>
> If you are sucessfully decoding telemetry with Bob's software could you
> let me know which TNC you are using.
>
> Thanks
>
> 73 John G7HIA
> ----
> Via the amsat-bb mailing list at AMSAT.ORG courtesy of AMSAT-NA.
> To unsubscribe, send "unsubscribe amsat-bb" to Majordomo@amsat.org
>

de WB4APR@amsat.org, Bob

PCsat WEB  page     http://www.ew.usna.edu/~bruninga/pcsat.html
ISS-APRS FAQ:       http://www.ew.usna.edu/~bruninga/iss-faq.html
CUBESAT Designs     http://www.ew.usna.edu/~bruninga/cubesat.html
APRS LIVE pages     http://www.ew.usna.edu/~bruninga/aprs.html
APRS SATELLITES     http://www.ew.usna.edu/~bruninga/astars.html
MIM/Mic-E/Mic-Lite  http://www.toad.net/~wclement/bruninga/mic-lite.html


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```

720. [aprssig] Walkabout computer.

From: "Fred Moses" <kc8ody@faara.org>
Date: Thu, 24 Jan 2002 20:54:24 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-59014-2002.01.24-20.27.05--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

```
Iv got an extra walkabout hammerhead P133 that i replaced with a new laptop. which has the following in
it:
Intel Pentium 133 MHz, 64 MB RAM (On-Board)
4 GB IDE HDD, NO CD-ROM, NO 3.5" Floppy Drive
2 PCMCIA Style II Slots, 4MB IR Port
640x480 24-Bit compatible Monochrome LCD Screen (Backlit)
Screen contrast and brightness is controlled through Windows software utility
High-resolution Tablet Screen (Use Stylus as Mouse - Handwriting recognition)
Unit is enclosed within a protective soft-case with handle (Designed to be left on during use)
also iv got it mounted in the vehicle docking unit.. which here is a link to what it looks like:
http://www.walkabout-comp.com/Products/vehicle.htm
it has a battery in it.. which i get about 2 hours outa it...  but most of the time it was powerd from
my car then when the car was off i put it to sleep and it was on the battery overnight..

im asking $350 or best offer..
```

Fred Moses - KC8ODY
fmoses@tctimes.com
kc8ody@tctimes.com

---

721. [aprssig] RE: Backup systems?

From: Brian D Heaton <bdheaton@c4i2.com>
Date: 24 Jan 2002 21:55:37 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: "TAPR APRS Special Interest Group <aprssig@lists.tapr.org>
▯<LYR19692-58910-2002.01.24-10.51.09--bdheaton#c4i2.com@lists.tapr.org>"
▯<LYR19692-58910-2002.01.24-10.51.09--bdheaton#c4i2.com@lists.tapr.org>
Message-ID: <LYR842-59017-2002.01.24-21.28.16--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

How about a couple big gel-cells or sealed deep-cycle batteries floated
across the power supply and a cheap laptop (200-300Mhz)??

One can likely find a laptop, batteries, cables (and a big diode) for a
fair bit less than a new 2Kva UPS.

73/N5VFF

On Thu, 2002-01-24 at 11:20, W1SAR wrote:
> > -----Original Message-----
> > From: bounce-aprssig-15695@lists.tapr.org
> > [mailto:bounce-aprssig-15695@lists.tapr.org]On Behalf Of Glen Briggs
> > (KB0RPJ) - aka wx
> > Sent: Wednesday, January 23, 2002 11:47 PM
> > To: TAPR APRS Special Interest Group
> > Subject: [aprssig] Backup systems?
> >
> >
> > does anyone know how big of a UPS system i would need to power a "basic"
> > APRS setup.. this would cover a computer, wireless internet modem
> > (no digis
> > round here), and a 2m rig, with power supply (20a)
> >
> >
> > i see power supplies ranging from 500Va to 40KVa how big would i need?
> >
>
> The biggest variable in this equation is how many minutes, hours, days or
> weeks do you want your system to run without an external power feed?
>
> Many basic UPS systems just provide enough power to wait 30 seconds then
> power the system down properly - others can provide many hours of ongoing
> operation.
>
> Basic equation, bigger the capacity the longer it will run before shutting
> down.
>
> Drew Witham W1SAR
> Shasta County Emergency Coordinator
> ARES / RACES / CDF-VIP
>
> http://www.scares.org
>
>
> ---
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>
>

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---

722. [aprssig] RE: Backup systems?

From: Phil Reed <preed@dnaco.net>
Date: Thu, 24 Jan 2002 22:18:34 -0500

To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: "TAPR APRS Special Interest Group <aprssig@lists.tapr.org> <LYR19692-58910-2002.01.24-10.51.09--bdheaton#c4i2.com@lists.tapr.
Message-ID: <LYR842-59023-2002.01.24-21.52.53--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

At 09:55 PM 1/24/2002 -0500, Brian D Heaton wrote:

> How about a couple big gel-cells or sealed deep-cycle batteries floated across the power supply and a cheap laptop (200-300Mhz)??
>
> One can likely find a laptop, batteries, cables (and a big diode) for a fair bit less than a new 2Kva UPS.

I dunno. I was out pricing deep cycle batteries today, and they were in the $80+ range, and you still need something to charge 'em with. If you don't mind not new, check ebay - I found a whole lot of APC 650VA UPSs going for under $100, and if you can get up to $250 you can probably score a 1400 or 2000.

Granted, if you can run everything from 12v, you could make things simpler. You wouldn't need the power supply to run the radio, but you still need something to charge the battery.

(Anybody know of a source for new 12v gel cells in the 50 AH range? Email privately, please.)

---

...phil / w8sca

"For a list of all the ways technology has failed
to improve the quality of life, press 3."

---
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723. [aprssig] Re: Speed trap identification

From: Mark Fellhauer <sparkfel@qwest.net>
Date: Thu, 24 Jan 2002 21:28:51 -0600
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-59027-2002.01.24-22.00.18--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

At 02:28 PM 1/24/02, Jacques Voisin wrote:

> What does this have to do with APRS?

It has nothing to do with APRS. Unfortunately, someone suggested we start an APRS warning net of active police operations (speed checkpoints). As I have stated many times, Amateur Radio and APRS are not the appropriate forums for waging vendettas (against individuals, corporations, and I'll add government agencies to that too). Yes, there are law enforcement agencies that play fast and loose with their duties; but let's be honest, most people have radar detectors and CB's to flaunt the law, and not to avoid the few municipal or state agencies that abuse their power. Two wrongs do not make a right. I can document thousands of IRS abuses, but that does not give me the right to misreport my income and cheat on my taxes.

I never want to see newspaper headlines reading, "County Prosecutor accuses local ham radio operators of subverting police duties - Indictments to follow."

73,

Mark
KC7BXS

PS: Stan, I'm trying to keep this discussion within the bounds of APRS.

---
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724. [aprssig] Re: Assistance

From: Maiko Langelaar <maiko@slmsoft.com>
Date: Thu, 24 Jan 2002 21:42:10 -0600
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: TAPR APRS Special Interest Group <aprssig@lists.tapr.org>
Message-ID: <LYR842-59028-2002.01.24-22.11.21--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Hi Quentin,

> Does anyone know if you can pass unconnected aprs messages
> via conventional packet nodes ...

Absolutely. APRS messages are unconnected by nature.

Here in southern Manitoba we have a provincial network of old 'theNet 1.22' node stacks all on a 9600 baud backbone. I've had people digi APRS frames over 4 or 5 of these nodes to get onto our internet gateway frequency, on which we run the 'VE4UMR' TNOS internet gateway and a NOSaprs APRS igate to intercept any APRS frames (it's a zoo channel, APRS, FBB forwarding, TCP/IP, etc).

The only thing you have to be certain of, is that the L2 digipeating flag is enabled on the node parameters.

> the town of along I do it here in like beacons pass
> thru the network.

It's funny you mention that. I don't know if you recall, but there is a conventional packet node on 145.01 (was anyways last I checked near Fargo, North Dakota - the Barnsville node). I was surprised to see the following at findu.com one day :

Click on this -> http://map.findu.com/mnbarn

I wonder if this is the same node. I'm guessing that maybe they have upgraded the node software and burned an APRS type beacon text into their eproms. I don't know, but I'd be like to hear from anyone who maybe knows about it.

That to me is a very nice use for APRS in the sense that you know when the last time a node was heard, giving one a good idea of the status of the conventional node network, etc.

73 Maiko / VE4KLM

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725. [aprssig] Re: Backup systems?

From: John Vause <jdv@iglou.com>
Date: Thu, 24 Jan 2002 22:57:12 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: TAPR APRS Special Interest Group <aprssig@lists.tapr.org>
Message-ID: <LYR842-59029-2002.01.24-22.27.32--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Glen, your need will be determined by several factors:
1.) how much power do you need the UPS to supply in event of mains failure.
2.) how long do you need the UPS to supply power to your equipment.
3.) How big is your wallet.

There are some additional factors that may come into play:
Do you need UPS management capability?
Can you afford the UPS replacement batteries? (You must replace them approx. every 3 years.)

UPS systems are varied in size, management capability, reliability and price. There are some good UPS systems on the market and there is some junk .
Some UPS systems are able to monitor environment conditions/mains condition and run scheduled self-tests which are useful in letting you know when the UPS batteries are worn out.
Some UPS systems are able (with the proper software installed) to shut down your computer "gracefully" before the UPS batteries are

exhausted.

ex.) I use two APC Smart-UPS 700va UPS systems to power my
Digi/WX/Igate.
One UPS powers the computer, monitor, and network hardware.
The other UPS powers the radio, tnc, wx station, and power supply.
Yes, I could have bought a Smart-UPS 1400va unit. If I wanted
to end up broke. The replacement batteries were $112 USD a piece
and the 1400 uses two of them.
The batteries for the 700 are $26 USD available locally
(I still need two per UPS).

You might find a UPS available used (This is how I got mine) for much
less than brand new. If so you need to be sure it will FULLY charge
the batteries. Also plan on replacing the existing batteries as they
are most likely worn out.

Good luck in your quest.

73

"Glen Briggs (KB0RPJ) - aka wx" wrote:
>
> does anyone know how big of a UPS system i would need to power a "basic"
> APRS setup.. this would cover a computer, wireless internet modem (no digis
> round here), and a 2m rig, with power supply (20a)
>
> i see power supplies ranging from 500Va to 40KVa how big would i need?
>
>>SNIP<<

```
--
* John Vause  KF4ERV  jdv@igloudot.com                *
* NOTE: email address altered for benefit of Spambots *
* My favorite law: The Law of Unintended Consequences *
*                               -- John Vause          *
--
```

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726. [aprssig] RE: Backup systems?

From: "Germino" <mgermino@inreach.com>
Date: Thu, 24 Jan 2002 20:26:11 -0800
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-59041-2002.01.24-23.00.04--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

I was wondering about a backup system for a APRS weather station I am
thinking about putting up. Could you hook up a external deep cycle battery
to the UPS, to extend the run time of the UPS?

Mike
AD6AA

---
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727. [aprssig] RE: Backup systems?

From: Brian D Heaton <bdheaton@c4i2.com>
Date: 24 Jan 2002 23:41:32 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: TAPR APRS Special Interest Group <aprssig@lists.tapr.org>,
TAPR APRS Special Interest Group "<aprssig@lists.tapr.org> " "<LYR19692-58910-2002.01.24-10.51.09--bdheaton#c4i2.com@lis
Message-ID: <LYR842-59044-2002.01.24-23.13.42--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

It looked like from the original post that a power supply was already on
hand. (at least before it took it down to move) Had a couple 125Ah
batteries floated across the PS (with isolator) feeding a pair of
busses. All the radio gear and emergency lighting for the shack fed off
them. The desktop computers were on a couple 1200VA UPS units with auto
shutdown software loaded. I had 2 laptops on the 12V busses.

Works like a champ when power. I picked up the 125Ah batteries at a

"Batteries Plus" store in Colorado Springs. I know that with the number of telco/internet companies going under there should be a lot of the big telco plants floating around on the surplus market. All the ones I worked with were 48V plants, but with some restrapping you could have 4 12V strings in parallel.

My concern with buying used UPS units is that you don't know how old the batteries are. If you have to replace the batteries you can easily double the price of the unit. I'd rather have a good Trace Engineering inverter hanging off a big battery bank to run my gear than a consumer/small-biz grade UPS. I guess it comes from the telco background.

73/N5VFF

On Thu, 2002-01-24 at 22:18, Phil Reed wrote:
> At 09:55 PM 1/24/2002 -0500, Brian D Heaton wrote:
> >How about a couple big gel-cells or sealed deep-cycle batteries floated
> >across the power supply and a cheap laptop (200-300Mhz)??
> >
> >One can likely find a laptop, batteries, cables (and a big diode) for a
> >fair bit less than a new 2Kva UPS.
>
> I dunno. I was out pricing deep cycle batteries today, and they were in the
> $80+ range, and you still need something to charge 'em with. If you don't
> mind not new, check ebay - I found a whole lot of APC 650VA UPSs going for
> under $100, and if you can get up to $250 you can probably score a 1400 or
> 2000.
>
> Granted, if you can run everything from 12v, you could make things simpler.
> You wouldn't need the power supply to run the radio, but you still need
> something to charge the battery.
>
> (Anybody know of a source for new 12v gel cells in the 50 AH range? Email
> privately, please.)
>
>
>
> ---
>
> ...phil / w8sca
>
> "For a list of all the ways technology has failed
> to improve the quality of life, press 3."
>
>

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728. [aprssig] RE: D700 to Street Pilot III comm

From: James Ewen <jewen@shaw.ca>
Date: Thu, 24 Jan 2002 21:43:35 -0700
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: aprssig@lists.tapr.org
Message-ID: <LYR842-59045-2002.01.24-23.14.18--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

>Without the GPS and D700 in front of me, I forget how
>to turn the D700 to GPS function on. I don't even
>remember if it's a Streetpilot, D700 or both option.

Menu 3-3 Waypoint allows you to set up whether or not the $GPWPL waypoint data format is sent to your GPS upon reception of position data.

See TM-D700A Specialized Operation Manual Page 15.

The radio takes position data, and turns it into an NMEA compatible reporting format. Any GPS that can receive waypoint in this format can show you the icons on the GPS screen. There are limitations on waypoint name lengths, so some truncation does occur.

Some GPS receivers need to have their IO set up to allow NMEA In/Out (my Garmin II+ calls this mode NMEA/NMEA).

Read your owner's manual, both for the GPS and the radio! It's amazing how
much information the manufacturers put in those little books! Yeah, I
know... it's no fun reading the manual!

James
VE6SRV

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729. [aprssig] RE: Backup systems?

From: Bill Herrmann <bherrman@micron.net>
Date: Thu, 24 Jan 2002 21:46:02 -0700
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-59048-2002.01.24-23.20.59--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

At 10:18 PM 1/24/02 -0500, you wrote:
>Anybody know of a source for new 12v gel cells in the 50 AH range?

It's worth checking with a local battery supplier and not being too
specific about what capacity you need. A local battery supplier has really
good deals on one specific size of 12V Gel Cells. They bring in a large
quantity of them per month for a local horse trailer manufacturer who uses
them for the trailer brake breakaway circuit. (I imagine they're a one time
use in that application.) Anyway, they sell those much cheaper than some
similar size batteries that they carry because they get a quantity discount
and pass it along.

[Off topic] If you have kids with one of those electric ride in jeeps they
carry replacement batteries at about half the price of the toy stores...
[/off topic]

Bill

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730. [aprssig] RE: Backup systems?

From: john <hopscotch@mindspring.com>
Date: Fri, 25 Jan 2002 00:10:05 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: aprssig@tapr.org
Message-ID: <LYR842-59050-2002.01.24-23.39.52--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Don't you wish you had been around when I posted this at the end of 2000
(and been within a couple hundred miles of LA) !
A lot of them went to APRS and repeaters (and I think a few were used in
the Baker to Vegas as well as the Tournament of Roses Parade.

This offer is NO LONGER GOOD. The batteries were given away over a year
ago. If anyone writes wanting them, I will ignore the message.

>I have a quantity of large Gel Cel batteries to give away.
>They're from a data center UPS and should have plenty of life left in them.
>They are about the size of a small car battery and are 12V 57AH
>They need to be picked up in LA (Off I-10 near I-5) on sunday or Monday.
>
>I WILL NOT ship or deliver!

ralph

At 10:18 PM 1/24/02 -0500, you wrote:
Begin Quoted Text
>(Anybody know of a source for new 12v gel cells in the 50 AH range? Email

```
>privately, please.)
>
>                                 ...phil / w8sca
End Of Quoted Text



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731. [aprssig] PCsat in the news

From: "Wolf Hoeller" <wolf.hoeller@gmx.net>
Date: Fri, 25 Jan 2002 10:19:33 +0100
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-59085-2002.01.25-03.48.43--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

```
Hi 'PCsateers'!

Under
'http://www.futurezone.at/futurezone.orf?read=detail&id=106112&tmp=41057'
you can find a good report (unfourtunatly in german only) about the PCsat
'......made with parts from the hardware store round the corner ......'!

73 de Wolf, oe7ftj
I like this bird and his capabilities!!



---
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732. [aprssig] Another piece about PCSat

From: "Arnold 'Arnie' Johnson" <arniej@gis.net>
Date: Fri, 25 Jan 2002 05:06:43 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-59086-2002.01.25-04.36.58--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

```
Congratulations, Bob & Mids!

http://www.cnn.com/2002/TECH/space/01/24/cheap.satellite.ap/index.html

Arnie, N1BAC


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733. [aprssig] RE: Backup systems?

From: "Bob D." <n2iph@eticomm.net>
Date: Fri, 25 Jan 2002 05:55:12 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-59087-2002.01.25-05.25.02--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

```
Or, you can do what I did. I had an older (1997) APC BackUps 420
which had a bad battery after serving me well for 4 years. Didn't
have the correct replacement battery on-hand and wanted to make something
that would give me extended run time to keep the APRS setup running.
SO I took a 20A gel cell and connected it to the UPS charging output.
I did this by following the battery leads back to the point of connection
on the board and de-soldered them. Then soldered in their place a set of
leads with 40A Anderson Power Pole connectors on them to the board. My 20A
battery (about 8x8x6") is now connected and charged by the UPS. and can be
swapped out easily by just disconnecting at the Power Pole connectors and
plugging in another battery.

I run tested this on the battery only for almost 3 full days powering
my TM-V7A on low power (5 Watts) and a KPC-3. By this time the battery
voltage
was down to 12.4V and I put it back on charge. The TNC was set to beacon
```

```
every
30 minutes, no computer was connected to the system. Run time would of
course
been much shorter if I had been holding a QSO or actively using APRS to
uplink
information or sending messages to someone.

Look around at Hamfests and computer shows for old UPSs, then browse around
until you find someone selling the large UPS batteries for cheap. I recently
bought a new 80A gel cell battery for $30 and will be replacing the 20A
battery
with the 80A battery.

Bob D.
N2IPH


> In order to get a system that lets you add run time,
> you have to start with high-end UPS systems and go up.


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```

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734. [aprssig] Thanks/Winmaps

From: "Quentin Falkenbury" <qjf2@hotmail.com>
Date: Fri, 25 Jan 2002 11:53:42 +0000
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-59088-2002.01.25-06.23.58--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

```
First thanks to all who replied to my previous posting.Also once i found a
site i believe it was off www.rutgers.edu where you could download an entire
states set of maps, county by county ,for winaprs.If anyone could supply me
with the web address it would be appreciated.     Quentin  KC2CIM

_________________________________________________________________
MSN Photos is the easiest way to share and print your photos:
http://photos.msn.com/support/worldwide.aspx


---
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```

---

735. [aprssig] DX via PCSat!

From: "Eric Mackie" <9z4cp@rave-tt.net>
Date: Fri, 25 Jan 2002 6:42:42
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-59093-2002.01.25-07.13.01--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

```
The following was received at this QTH at 0436 AST this morning.

VE2CUZ @250836z4536.80N\07339.40WK000/000/TH-D7/M1/Enroute......

That's quite a hop. Pity I could not see where he was enroute to.

Eric Mackie 9Z4CP
9z4cp@rave-tt.net

---
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```

---

736. [aprssig] QTH?

From: "Ronald Reams" <wa4mjf@worldnet.att.net>
Date: Fri, 25 Jan 2002 07:50:41 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-59095-2002.01.25-07.21.46--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

```
Does anyone know if the Gate station KL7VL-3 is on the
CA OR border?
```

If his coordinates are wrong?

Inquirin' minds wanna know...

73 de Ronnie

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737. [aprssig] QTH??

From: "Ronald Reams" <wa4mjf@worldnet.att.net>
Date: Fri, 25 Jan 2002 07:52:12 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-59097-2002.01.25-07.23.27--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Hello All,

Does anyone know if the Gate station KL7VL-3 is on the
CA OR border?

If his coordinates are wrong?

Inquirin' minds wanna know...

73 de Ronnie

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738. [aprssig] Re: Speed trap identification

From: Bob Bruninga <bruninga@usna.edu>
Date: Fri, 25 Jan 2002 08:37:51 -0500 (EST)
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: TAPR APRS Special Interest Group <aprssig@lists.tapr.org>
Message-ID: <LYR842-59099-2002.01.25-08.08.11--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

On Thu, 24 Jan 2002, Mark Fellhauer wrote:

> It has nothing to do with APRS.   Unfortunately, someone suggested we start
> an APRS warning net of active police operations (speed checkpoints).

To my recollection, the origianl person suggested that more of use APRS
objects for marking things that would be helpful to our fellow
travelers/commuters such as "speedtraps" and trafic jams, etc. The topic
was how to place OBJECTS on APRS. One person then has spun that off as a
crusade for his opinion about speedtraps... and it goes on and on.

I answered the original email about how to put objects on Maps easily
while mobile
and pointed out the additional APRS features for SIGNPOSTS Icons in APRS
that are not only objects, but are SIGNS that can have a speed posted on
the ICON for showing the speed of traffic past a point. AN ideal APRS
application for alerting drivers of slowdowns and traffic problems.

THe way I saw it, the topic was OBJECTS, not speedtraps...

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739. [aprssig] Long range tracking

From: Bob Bruninga <bruninga@usna.edu>
Date: Fri, 25 Jan 2002 09:30:44 -0500 (EST)
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-59113-2002.01.25-09.01.22--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

```
Here is an idea for long range tracking...

It would have worked well on something like the olympic tourch or other
such far ranging and high interest device...

* Take a D700 and program it with the 5 or so uplink channels of the
existing digipeating satellites.  Set the position rate to once every
minute.  Hook a transistor or whatever between the TNC's PTT lead and the
UP button.

Then you get a single posit packet via each satelltie once every 5
minutes, about the minimum to assure you get it at least once per
satellite.  With 5 sats and 5 passes per day each, thats 25 hits per
day...  or about one per hour on average (but they are not evenly spaced
by any means)...  And you neeed to be tracking the satellites to receive
the posits.  To my konwledge we only have permanent IGates listening to
PCsat and ISS only at this point....

We can always use more...

No, this is not for everybody, but it might be a simple solution for that
special one-time need somewhere...  Common sense would dictate the
conditions under which this might be appropriate...

de WB4APR@amsat.org, Bob

PCsat WEB  page     http://www.ew.usna.edu/~bruninga/pcsat.html
ISS-APRS FAQ:       http://www.ew.usna.edu/~bruninga/iss-faq.html
CUBESAT Designs     http://www.ew.usna.edu/~bruninga/cubesat.html
APRS LIVE pages     http://www.ew.usna.edu/~bruninga/aprs.html
APRS SATELLITES     http://www.ew.usna.edu/~bruninga/astars.html


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```

740. [aprssig] MicroWeather update

From: "David R. Andersen" <k0rx@qth.com>
Date: Fri, 25 Jan 2002 09:16:08 -0600
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-59119-2002.01.25-09.48.18--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

```
MicroWeather firmware support for the Dallas Semiconductor 1-wire
anemometer (all versions) has been released and is available for
download on the project web page listed below.

73
Dave K0RX
http://www.qth.com/RXcomm


---
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```

741. [aprssig] Re: Speed trap identification

From: Matt Steinhoff <mls@steinhoff.net>
Date: Fri, 25 Jan 2002 10:19:47 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-59121-2002.01.25-09.50.26--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

```
> Unfortunately, someone suggested we start an APRS warning
> net of active police operations (speed checkpoints).
```

{sigh}

That someone was me. As an example. If folks read the follow-up (see below), they would have seen that all I was really interested in was useful objects for travelers and that cell phones would soon have this capacity...

"

> Why would you be willing to aide someone who is
> driving at risk?

Let's not get into that discussion on the list. My definition of 'at risk' is probably greatly different than yours.

Forget I said 'speed trap'. If it makes you feel better, let's say 'cheapest gas prices in town'. No, that'll upset the 'nothing even vaguely for-profit related on the radio crowd' (if though it's a regular drive-time topic on 2M repeaters everywhere).

How about 'hot chick sun bathing in front yard'? Who could possibly be against that?

The point was, the ability to easily put objects into the APRS stream (search of the list for APRSdata.exe for examples) is rather nifty and, hey, look, there are commercial companies doing it with cell phones and GPSs.

"

During drive time, speed enforcement is a common topic of discussion on 2M repeaters. When CB radio was first making it big, several law enforcement agencies in many jurisdictions took CB users to court for 'aiding and abetting' and 'evading arrest' because they were telling other users where speed traps and increased enforcement were taking place.

In every single case (that wasn't thrown out to begin with), the judge ruled that simply reporting a speed trap does not meet the legal criteria of aiding and abetting or evading arrest. Further, the user's first amendment rights were paramount.

So, the folks who say this is borderline illegal are just simply wrong.

I apologize to the list for using such an inflammatory example. I should have known about the hair trigger this list has and thought long and hard about my example.

From now on, I'll use 'cute, fluffy bunny sighting' if I want to talk about APRS objects that might be useful to travelers. Assuming, of course, no one has any objections to cute, fluffy bunnies as they relate to APRS travelers.

(If you do have any cute, fluffy bunny objections, please contact me off the list. Thanks.)

Matt (k4mls)

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---

742. [aprssig] Win APRS web server? Being able to query it and sow a map on the local Lan

From: "Brian Webster" <radiowebst@yahoo.com>
Date: Fri, 25 Jan 2002 11:11:25 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-59129-2002.01.25-10.37.24--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Is there an easy way to run a query (using a web browser) against my local WINAPRS web server and have it come back with a map without having to connect to map blast? I was thinking of making a link/URL shortcut on my wife's computer for her to run against my APRS station on the LAN and give her a map in the web browser to see how close to home I am. I know it works if you have outside connectivity but I don't have a full time net connection.

Brian, N2KGC

____

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---

743. [aprssig] DOS APRS & MAPS

From: <gavingroce@yahoo.com>
Date: Fri, 25 Jan 2002 10:19:18 -0600
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-59130-2002.01.25-10.49.38--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Well I am waiting for the parts to arrive so I can finsish putting aprs on the pen pan and I have got to thinking about maps...

If I go the aprs dos way mis there anyway I can use the SA5 maps that I have? Or do I have to stick to windoze for that?

73 tvv

____

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---

744. [aprssig] Re: Win APRS web server?

From: Bill Vodall - WA7NWP <wa7nwp@yahoo.com>
Date: Fri, 25 Jan 2002 08:40:03 -0800
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: aprssig@lists.tapr.org
Message-ID: <LYR842-59135-2002.01.25-11.12.33--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Hello Brian.

This is exactly why I got the idea for Watcher. So my wife would know I'm getting close to home from work - so she has a little advanced warning to close the EBAY windows..

It doesn't have local maps yet but will soon.

http://www.jnos.org/projects/watcher/

73,
Bill - WA7NWP

At 11:11 AM 1/25/02 -0500, you wrote:
>Is there an easy way to run a query (using a web browser) against my local
>WINAPRS web server and have it come back with a map without having to
>connect to map blast? I was thinking of making a link/URL shortcut on my
>wife's computer for her to run against my APRS station on the LAN and give
>her a map in the web browser to see how close to home I am.

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745. [aprssig] TinyTrakII config write problem

From: k9soa@att.net
Date: Fri, 25 Jan 2002 19:28:56 +0000
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-59164-2002.01.25-13.59.16--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

```
Trying to configure my TTII but get a WRITE FAILED when
I try to write.   When I select read configuration, I
get most of the info but the BEACON TEXT is garbage.

Have not been able to get any response from the vendor.
Anyone have any idea what the problem might be.

Thanks.

--
Don

www.k9soa.net  (EM77EX)

Home of "JEANNIE"
The House That Listens

As appeared on HGTV's
Dream Builder show

Featured Home of the Month
Feb 2002 issue
Home Automation Magazine

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```

746. [aprssig] Re: TinyTrakII config write problem

From: "Curt Mills, WE7U" <hacker@tc.fluke.com>
Date: Fri, 25 Jan 2002 11:41:33 -0800 (PST)
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: TAPR APRS Special Interest Group <aprssig@lists.tapr.org>
Message-ID: <LYR842-59206-2002.01.25-15.56.58--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

```
On Fri, 25 Jan 2002 k9soa@att.net wrote:

> Trying to configure my TTII but get a WRITE FAILED when
> I try to write.   When I select read configuration, I
> get most of the info but the BEACON TEXT is garbage.
>
> Have not been able to get any response from the vendor.
> Anyone have any idea what the problem might be.

I've been experiencing that problem with a friend's TinyTrak-II that
I just built for him.  It sometimes takes a few power cycles of the
TT-II and a few tries with the program before I can get a good read.
After that it'll usually program ok.  Sometimes trying a different
machine or cable works.

We built ours differently so that we need adapters and/or cables to
connect to the computer, but it connects directly to a GPS-to-PC
cable.

I've had very little trouble with any of my TT-1's or TT-2's.  Just
had a bit of trouble lately with this new one that my friend has.
We've been able to work through it each time we've had to do it
though.  Most recent was Wednesday night.

Curt Mills, WE7U                         hacker.NO_*SPAM@tc.fluke.com
Senior Methods Engineer/SysAdmin
"Lotto:    A tax on people who are bad at math." -- unknown
"Windows:  Microsoft's tax on computer illiterates." -- WE7U


---
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```

747. [aprssig] Now THERE'S a beacon!

From: Earl Needham <needhame@yucca.net>
Date: Fri, 25 Jan 2002 15:12:38 -0700
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-59211-2002.01.25-16.45.33--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

```
Here's a good one!

PCSAT-11>APRS1::BLN1PCSAT:QSY 145.825 now and work 1500 mi via PCSAT.

        Hehe...
        Earl


*********************************************************
Earl Needham, KD5XB mailto:needhame@yucca.net
Clovis, New Mexico
KD5XB-2>APU24L,WA5IHL-11,K5BEN-15,WA5IHL-7,W5SF-1,K5CQH-15,WB5EKP-1*,TRACE7-
1:=3425.84N/10313.56W-[DM84]
Pet peeve #1: You look at a "SITE" with your "SIGHT".
Pet peeve #2: "Congratulations" does NOT have a "d" in it.
Old pet peeve: People who get themselves on a mailing list and then can't
figure out how to get OFF the list, then repeatedly sending "unsubscribe"
or "remove" as one-word messages to the list.


---
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```

748. [aprssig] Re: Now THERE'S a beacon!

From: Bill Vodall - WA7NWP <wa7nwp@yahoo.com>
Date: Fri, 25 Jan 2002 14:41:19 -0800
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-59212-2002.01.25-17.13.49--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

```
At 03:12 PM 1/25/02 -0700, Earl Needham wrote:
>
>       Here's a good one!
>
>PCSAT-11>APRS1::BLN1PCSAT:QSY 145.825 now and work 1500 mi via PCSAT.

I caught a packet from Maine yesterday.   That's coast to coast (Redmond, Wa) which
is about double the 1500 miles.

Bill, WA7NWP


---
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```

749. [aprssig] Re: TinyTrakII config write problem

From: "Mark Phillips" <g7ltt@g7ltt.com>
Date: Fri, 25 Jan 2002 18:04:03 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-59217-2002.01.25-17.34.07--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

```
I've had a similar problem. I think its to do with the amount of RAM
available in the TTII. If you remove some of the settings in the alternative
setting ares (like the other beacon text) and then do the write it works.#

Mark

----- Original Message -----
From: <k9soa@att.net>
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Sent: Friday, January 25, 2002 2:28 PM
Subject: [aprssig] TinyTrakII config write problem


> Trying to configure my TTII but get a WRITE FAILED when
> I try to write.   When I select read configuration, I
> get most of the info but the BEACON TEXT is garbage.
```

>
> Have not been able to get any response from the vendor.
> Anyone have any idea what the problem might be.
>
> Thanks.
>
> --
> Don
>
> www.k9soa.net (EM77EX)
>
> Home of "JEANNIE"
> The House That Listens
>
> As appeared on HGTV's
> Dream Builder show
>
> Featured Home of the Month
> Feb 2002 issue
> Home Automation Magazine
>
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---

750. [aprssig] Re: [sarex] UISS New Version

From: Bob Bruninga <bruninga@usna.edu>
Date: Fri, 25 Jan 2002 19:49:23 -0500 (EST)
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: sarex@AMSAT.Org, <amsat-bb@AMSAT.Org>,
TAPR APRS Special Interest Group <aprssig@tapr.org>
Message-ID: <LYR842-59238-2002.01.25-19.20.09--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

On Fri, 25 Jan 2002, UISS Software wrote:

> Just wanted to let you know that the special communication software I made
> for ISS, PCSat and other compatible satellites has been released....

Great,

I just took a pass of UO-22 and what we really need is for someone to add IGating to WISP or other PACSAT software so that any UI packets that show up in the downlink are IGated into the APRS internet system for worldwide live distribution.

I watch UO-22 passes and the PACSAT PROTOCOL user list is almost always empty. The stations that do log on at the beginning of a pass are usually fully automatic stations that are only downloading the directory and have no other traffic. It seems a waste to have these fully automatic tracking and tuning stations not doing much else. When they could just as easy be feeding any UI digipeated packets into the internet.. Then we could add UO-22 to the list of UI digipeating satellites available for live digital QSO's and Email from mobiles and HT's...

I see several people sending APRS Emails up via PCsat, but they could just as easily do this via UO-22 if someone was monitoring the downlink and feeding the packets into the internet... THe satellite doesnt matter. It is just digipeating... PCsat, ISS, UO-22 and soon Sapphire.

See ASTARS web page below...

de WB4APR@amsat.org, Bob

PCsat WEB page   http://www.ew.usna.edu/~bruninga/pcsat.html
ISS-APRS FAQ: http://www.ew.usna.edu/~bruninga/iss-faq.html
APRS SATELLITES   http://www.ew.usna.edu/~bruninga/astars.html

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751. [aprssig] Re: Win APRS web server? Being able to query it and sow a map on the local Lan

From: "Curt Mills, WE7U" <hacker@tc.fluke.com>
Date: Fri, 25 Jan 2002 10:10:14 -0800 (PST)
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: TAPR APRS Special Interest Group <aprssig@lists.tapr.org>
Message-ID: <LYR842-59245-2002.01.25-19.57.19--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

On Fri, 25 Jan 2002, Brian Webster wrote:

> Is there an easy way to run a query (using a web browser) against my local
> WINAPRS web server and have it come back with a map without having to
> connect to map blast? I was thinking of making a link/URL shortcut on my
> wife's computer for her to run against my APRS station on the LAN and give
> her a map in the web browser to see how close to home I am. I know it works
> if you have outside connectivity but I don't have a full time net
> connection.

You can do this sort of thing with Xastir. There's a button that
enables auto-creation of an image from the map screen every five
minutes or so. I have Apache running on my Linux box at home that
then allows my wife to connect with her browser to see the map. I
set Xastir up to track my Jeep. I only had to create a symlink from
the Apache directory over to where the image is created. Works well.

Sorry, no Winders versions of Xastir. It only runs on Solaris,
FreeBSD, Linux, and Mac OS X so far.

Curt Mills, WE7U   hacker.NO_*SPAM@tc.fluke.com
Senior Methods Engineer/SysAdmin
"Lotto: A tax on people who are bad at math." -- unknown
"Windows: Microsoft's tax on computer illiterates." -- WE7U

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752. [aprssig] Re: Win APRS web server? Being able to query it and sow a map on the local Lan <LYR25140-59245-2002.01.25-19.57.19--kb2scs#optonline.net@lists.tapr.org>

From: John <kb2scs@optonline.net>
Date: Fri, 25 Jan 2002 21:23:19 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-59247-2002.01.25-20.54.05--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Hi Brian
               You could use a kludge method.
First you would install IrfanView on your WinAPRS machine.
IrfanView is a free Graphic viewer that is fantastic. It does just
about everything you would want a graphic viewer to do.
Which includes the ability to automatically on a user programable
interval take a screen shot. Then save this screen shot in a user
programable directory. Of course this screen shot would be of your
WinAPRS map. Then a Web browser could be used to access this
local directory on your lan.
You can download IrfanView at the following URL.

http://www.ryansimmons.com/users/irfanview/english.htm

> On Fri, 25 Jan 2002, Brian Webster wrote:
>
> Is there an easy way to run a query (using a web browser) against my local
> WINAPRS web server and have it come back with a map without having to
> connect to map blast? I was thinking of making a link/URL shortcut on my
> wife's computer for her to run against my APRS station on the LAN and give
> her a map in the web browser to see how close to home I am. I know it works
> if you have outside connectivity but I don't have a full time net
> connection.

Let us hope we never witness the "Silence Of The Hams"
73 DE John KB2SCS
   Mail To: kb2scs@wa2pnu.#nli.ny.usa.noam
   E-Mail: kb2scs@optonline.net

```
---
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```

753. [aprssig] Re: Win APRS web server? Being able to query it and sow a map o...

From: WA8LMF2@aol.com
Date: Fri, 25 Jan 2002 21:30:27 EST
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: kb2scs@optonline.net
Message-ID: <LYR842-59248-2002.01.25-21.00.55--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

```
In a message dated 1/25/2002 6:27:11 PM Pacific Standard Time,
kb2scs@optonline.net writes:

> You can download IrfanView at the following URL.
>
>  http://www.ryansimmons.com/users/irfanview/english.htm
>

That's the old server.  The "official" and most current one is now simply:
   http://www.irfanview.com

Stephen H. Smith                   wa8lmf @ aol.com
Home Page:                         http://members.aol.com/wa8lmf
Ham Radio/Mobile SSTV page:        http://members.aol.com/wa8lmf/ham
APRS Stuff                         http://members.aol.com/wa8lmf/aprs
---------------------------------------------------------------------
|    Radio Communications Systems       Personal Computers
|                Consulting and Systems Integration
|    GPS Custom Mapping    &     Radio Coverage Surveys
|    File Conversions       MS-Windows Setups       VISCII Fonts
---------------------------------------------------------------------

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```

754. [aprssig] Re: GPS data from PCsat

From: Hamish Moffatt <hamish@cloud.net.au>
Date: Sat, 26 Jan 2002 13:53:06 +1100
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-59249-2002.01.25-21.23.26--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

```
On Mon, Jan 14, 2002 at 10:34:03PM -0500, RMckni8527@aol.com wrote:
> As far as the FCC is concerned, I wait anxiously for the shrewd lawyer who is
> going to sue their pants off in a class action suit.  Government web sites
> are REQUIRED by Federal regulation to be accessible to the widest cross
> section of user as possible.  The FCC, by limiting access to only Netscape
> users, is flat out illegal and should be called to the carpet.

In fact, more users have access to Netscape than IE. All Windows users
can install Netscape, as can all Mac users. So you can freely obtain
Netscape and install it on your computer.

Netscape is also available for most UNIX systems, which IE is not.

Perhaps the FCC does not want to encourage a company which
was found guilty of illegal business practices.

Hamish
--
Hamish Moffatt VK3SB <hamish@debian.org> <hamish@cloud.net.au>

---
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Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org
```

755. [aprssig] Re: GPS data from PCsat

From: Hamish Moffatt <hamish@cloud.net.au>
Date: Sat, 26 Jan 2002 13:59:14 +1100
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>

Message-ID: <LYR842-59251-2002.01.25-21.29.31--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

```
On Tue, Jan 15, 2002 at 08:38:09AM -0600, Jeff Brenton KA9VNV wrote:
> Any book on HTML (more precisely, HTTP) will tell you that there are

I suggest consulting the specification (RFC2616,
ftp://ftp.isi.edu/in-notes/rfc2616.txt) rather than some book:

3.2.1 General Syntax

   URIs in HTTP can be represented in absolute form or relative to some
   known base URI [11], depending upon the context of their use. The two
   forms are differentiated by the fact that absolute URIs always begin
   with a scheme name followed by a colon. For definitive information on
   URL syntax and semantics, see "Uniform Resource Identifiers (URI):
   Generic Syntax and Semantics," RFC 2396 [42] (which replaces RFCs
   1738 [4] and RFC 1808 [11]). This specification adopts the
   definitions of "URI-reference", "absoluteURI", "relativeURI", "port",
   "host","abs_path", "rel_path", and "authority" from that
   specification.

   The HTTP protocol does not place any a priori limit on the length of
   a URI. Servers MUST be able to handle the URI of any resource they
   serve, and SHOULD be able to handle URIs of unbounded length if they
   provide GET-based forms that could generate such URIs. A server
   SHOULD return 414 (Request-URI Too Long) status if a URI is longer
   than the server can handle (see section 10.4.15).

      Note: Servers ought to be cautious about depending on URI lengths
      above 255 bytes, because some older client or proxy
      implementations might not properly support these lengths.


The specification specifically states that there is no maximum
length for a URI. There is only an implementation note, which
is not a requirement.


Hamish
--
Hamish Moffatt VK3SB <hamish@debian.org> <hamish@cloud.net.au>

---
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Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org
```

---

756. [aprssig] Re: GPS data from PCsat

From: k9soa@att.net
Date: Sat, 26 Jan 2002 04:12:05 +0000
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-59260-2002.01.25-22.42.28--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

```
I don't have Netscape and I don't want it.

DON'T FORCE ME TO INSTALL IT.




--
Don

www.k9soa.net  (EM77EX)

Home of "JEANNIE"
The House That Listens

As appeared on HGTV's
Dream Builder show

Featured Home of the Month
Feb 2002 issue
Home Automation Magazine
> On Mon, Jan 14, 2002 at 10:34:03PM -0500, RMckni8527@aol.com wrote:
> > As far as the FCC is concerned, I wait anxiously for the shrewd lawyer who is
> > going to sue their pants off in a class action suit.  Government web sites
> > are REQUIRED by Federal regulation to be accessible to the widest cross
> > section of user as possible.  The FCC, by limiting access to only Netscape
```

> > users, is flat out illegal and should be called to the carpet.
>
> In fact, more users have access to Netscape than IE. All Windows users
> can install Netscape, as can all Mac users. So you can freely obtain
> Netscape and install it on your computer.
>
> Netscape is also available for most UNIX systems, which IE is not.
>
> Perhaps the FCC does not want to encourage a company which
> was found guilty of illegal business practices.
>
> Hamish
> --
> Hamish Moffatt VK3SB <hamish@debian.org> <hamish@cloud.net.au>
>
> ---
> You are currently subscribed to aprssig as: k9soa@att.net
> To unsubscribe send a blank email to leave-aprssig-842K@lists.tapr.org
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>

---
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Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

---

757. [aprssig] Re: GPS data from PCsat

From: Hamish Moffatt <hamish@cloud.net.au>
Date: Sat, 26 Jan 2002 15:19:40 +1100
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-59266-2002.01.25-22.50.01--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

On Sat, Jan 26, 2002 at 04:12:05AM +0000, k9soa@att.net wrote:
> I don't have Netscape and I don't want it.
>
> DON'T FORCE ME TO INSTALL IT.

OK Bill, err Don.

Hamish
--
Hamish Moffatt VK3SB <hamish@debian.org> <hamish@cloud.net.au>

---
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---

758. [aprssig] Re: GPS data from PCsat

From: Bill Vodall <wa7nwp@PugetSound.net>
Date: Fri, 25 Jan 2002 21:33:39 -0800
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-59284-2002.01.26-00.06.12--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

At 01:53 PM 1/26/02 +1100, Hamish Moffatt wrote:

>
>Netscape is also available for most UNIX systems, which IE is not.

IE is available on Solaris and I have little doubt but what it's
running on Linux - through probably not released to the public.

Bill, WA7NWP

---
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---

759. [aprssig] Re: GPS data from PCsat

From: Gerry Creager N5JXS <gerry@cs.tamu.edu>
Date: Fri, 25 Jan 2002 22:43:18 -0700
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: TAPR APRS Special Interest Group <aprssig@lists.tapr.org>

Message-ID: <LYR842-59286-2002.01.26-00.19.31--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

k9soa@att.net wrote:
>
> I don't have Netscape and I don't want it.
>
> DON'T FORCE ME TO INSTALL IT.

Nothing Hamish said implied you had to. Nor said it directly.

I cannot install IE on the computers I own without first installing an operating system I've established is not capable of remaining stable in the use states I place it in. Linux, however, is. Thus, I use Linux for my purposes.

Please don't demand that everyone write websites that are specific for IE, or for that matter, Netscape. If people would write good, standards based code without superflous "extensions," and test it with several disparate browsers, more pages would just work right all the time.

73, gerry n5jxs

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---

760. [aprssig] Re: GPS data from PCsat

From: Hamish Moffatt <hamish@cloud.net.au>
Date: Sat, 26 Jan 2002 16:54:22 +1100
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-59287-2002.01.26-00.24.45--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

On Fri, Jan 25, 2002 at 09:33:39PM -0800, Bill Vodall wrote:
> At 01:53 PM 1/26/02 +1100, Hamish Moffatt wrote:
> >Netscape is also available for most UNIX systems, which IE is not.
>
> IE is available on Solaris and I have little doubt but what it's
> running on Linux - through probably not released to the public.

... which doesn't count really. IE is available on HP-UX too
but I've heard it's so slow that it's unusable.

Hamish
--
Hamish Moffatt VK3SB <hamish@debian.org> <hamish@cloud.net.au>

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---

761. [aprssig] RE: IE for Unix and Mac

From: "Bob D." <n2iph@eticomm.net>
Date: Sat, 26 Jan 2002 04:34:36 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-59297-2002.01.26-04.07.09--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

This (snip below) is not true.

IE is available for HP-UX and Solaris.
http://www.microsoft.com/unix/ie/default.asp

Since May 27. 2000, it has also been available for the Mac.
http://www.microsoft.com/mac/products/ie/ie_default.asp

I'm not saying that these are the best software packages to use on these platforms, just that they ARE available. Outlook Express (the perpetuator of all things SPAM) is also available for download but I certainly wouldn't want to pollute my UNIX or Mac machine with it.

-----snip-----
In fact, more users have access to Netscape than IE. All Windows users can install Netscape, as can all Mac users. So you can freely obtain Netscape and install it on your computer.

Netscape is also available for most UNIX systems, which IE is not.

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762. [aprssig] Re: Speed trap identification

From: Mark Fellhauer <sparkfel@qwest.net>
Date: Sat, 26 Jan 2002 04:02:10 -0600
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-59300-2002.01.26-04.33.19--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

At 09:19 AM 1/25/02, Matt Steinhoff wrote:

```
>    In every single case (that wasn't thrown out to
>begin with), the judge ruled that simply reporting a
>speed trap does not meet the legal criteria of aiding
>and abetting or evading arrest. Further, the user's
>first amendment rights were paramount.
>     So, the folks who say this is borderline illegal
>are just simply wrong.
```

Every single case thrown out?   So you've documented all court cases in all 50 states in regards to this? How about the guy in Vermont or the people in Illinois who were using signs instead of CB radios?   And these people were not charged with the crime you state.   I'm not saying it's borderline illegal, I'm saying it's textbook law illegal.   And again, someone here has made the mistake of confusing freedom of speech (first amendment) in regards to the use of RF transmitters.   There is no 1st Amendment protection afforded in the U.S. to amplified or transmitted speech.   Amateur Radio Operators should know that by now.

In Illinois - Obstruction of Justice is defined by the legislature and the courts as: The intent to prevent the apprehension or interfere with the prosecution of someone engaged in a criminal activity. It is a class 4 felony.

What may have happened in courts 25 years ago really has little bearing on today, especially when you're talking about monitoring and reporting the exact location of police officers and resources in real time over the Internet.   Speaking of which, I can't find the specific statute, but also in Illinois there is a criminal statute that addresses the surveillance of police.   A female friend of mine filed a complaint against the Park Ridge, IL police, detailing times, locations, and dates of police activity (over a period of several weeks) she thought constituted abuse of police power.   She was rewarded with a letter from the Cook County Prosecutor's Office, citing the state statute, and ordering her to cease and desist with her "illegal" surveillance of the Park Ridge Police Department.   Although she probably could have pressed the matter, she instead framed the letter, hung it on a wall, and decided not to tilt at that windmill anymore. A wise choice.

73,

Mark
KC7BXS

What was Bill Cheek's crime anyway?

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Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

763. [aprssig] Re: Speed trap identification

From: Mark Fellhauer <sparkfel@qwest.net>
Date: Sat, 26 Jan 2002 04:40:35 -0600
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-59301-2002.01.26-05.11.44--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

At 07:37 AM 1/25/02, Bob Bruninga wrote:

>THe way I saw it, the topic was OBJECTS, not speedtraps...

Unfortunately, the example given was speed traps.   I bit my tounge and waited a day or two before I weighed in on the subject, because I was a afraid someone might actually think it was a good idea and start doing it.

BTW, here in Sioux Falls the local PD updates the location and status of every patrol car in city via MDT at least six times an hour.

I would be an IDIOT if I extracted that data (in an automated or even non-automated fashion) and posted it (in real time) to the Internet or a web site OR transmitted that data to other APRS users.   If I did, I would probably be known as the Abner Louima of Sioux Falls...   ;)

73,

Mark
KC7BXS

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---

764. [aprssig] PCsat Telemetry

From: Bob Bruninga <bruninga@usna.edu>
Date: Sat, 26 Jan 2002 09:11:50 -0500 (EST)
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-59321-2002.01.26-08.42.19--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Didn't someone have a WEB site that maintained a live screen-shot of the PCsat telemetry? I went back through hundreds of emails and cannot find it..

Thanks
Bob

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Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

---

765. [aprssig] Kantronics 3 Watt APRS TX

From: "Mark Phillips" <g7ltt@g7ltt.com>
Date: Sat, 26 Jan 2002 09:16:34 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-59322-2002.01.26-08.46.36--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Hi Folks,

I have 3 of these left should anyone be interested.

$40 each. Postage will be $1.50 ConUS only.

Payment by PayPal to g7ltt@g7ltt.com

Click here to buy one
https://www.paypal.com/xclick/business=g7ltt%40g7ltt.com&undefined_quantity=1&item_name=Kantronics+144.390MHz+APRS+TX+kit&amount=40.00&return=http%3A//www.g7ltt.com/sell/thanks.htm&cancel_return=http%3A//www.g7ltt.com/sell/index.htm

Or visit my website http://www.g7ltt.com/aprs/100dollaraprstracker.htm to view the kit.

Thanks for your indulgence

Mark Phillips G7LTT/KC2ENI
New York, NY 11103

```
---
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Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org
```

766. [aprssig] Kantronics 3 Watt APRS TX - SOLD OUT!!!!!!!

From: "Mark Phillips" <g7ltt@g7ltt.com>
Date: Sat, 26 Jan 2002 10:10:14 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-59328-2002.01.26-09.40.10--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

```
WOW!!!!!!!!!  Not even an hour and they are all gone!!

I'm sorry to say folks that I have had an overwhelming response for these
kits and that they are now sold out.

Thanks for your interest.

Mark

----- Original Message -----
From: "Mark Phillips" <g7ltt@g7ltt.com>
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Sent: Saturday, January 26, 2002 9:16 AM
Subject: [aprssig] Kantronics 3 Watt APRS TX


> Hi Folks,
>
> I have 3 of these left should anyone be interested.
>
> $40 each. Postage will be $1.50 ConUS only.
>
> Payment by PayPal to g7ltt@g7ltt.com
>
> Click here to buy one
>
https://www.paypal.com/xclick/business=g7ltt%40g7ltt.com&undefined_quantity=
>
1&item_name=Kantronics+144.390MHz+APRS+TX+kit&amount=40.00&return=http%3A//w
>
ww.g7ltt.com/sell/thanks.htm&cancel_return=http%3A//www.g7ltt.com/sell/index
> .htm
>
> Or visit my website http://www.g7ltt.com/aprs/100dollaraprstracker.htm to
> view the kit.
>
> Thanks for your indulgence
>
>
> Mark Phillips G7LTT/KC2ENI
> New York, NY 11103
>
>
>
> ---
> You are currently subscribed to aprssig as: g7ltt@g7ltt.com
> To unsubscribe send a blank email to leave-aprssig-842K@lists.tapr.org
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>


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```

767. [aprssig] Re: APRS + Off road

From: Alejandro Fernández Preda <quequiel@ciudad.com.ar>
Date: Sat, 26 Jan 2002 12:19:43 -0300
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-59329-2002.01.26-09.49.52--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

```
Thanks to all those who replied to my querry privately or through the list. Info has been very useful.
If anyone still wants to say something or has pictures of movile arrangements in SUV's or ATV's please
mail me privately, they will be useful too.
```

```
73's Alejandro Fernández
quequiel@ciudad.com.ar
http://aag.4t.com
  ----- Original Message -----
  From: Alejandro Fernández Preda
  To: TAPR APRS Special Interest Group
  Sent: Tuesday, January 22, 2002 10:45 PM
  Subject: [aprssig] APRS + Off road


  Hi everyone,

  Has anyone experienced using APRS in off road trips? Interest on this topic has arrised on a local off
 road group as many of their SUV's are equiped with a GPS, VHF equipment, and in some cases also HF and
laptop for moving map. Any comments, tips or websites are welcome as this would be a great oportunity to
 expand the APRS community in our country.

  73's Alejandro Fernández
  quequiel@ciudad.com.ar
  http://aag.4t.com
```

---

768. [aprssig] Re: Speed trap identification

From: k9soa@att.net
Date: Sat, 26 Jan 2002 15:35:02 +0000
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-59330-2002.01.26-10.05.22--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

```
Some radio stations in Chicago as well as Louisville
warn commuters that they should WATCH THEIR SPEED IN
XYXYXY AREA quite often during commute hours.

--
Don

www.k9soa.net  (EM77EX)

Home of "JEANNIE"
The House That Listens

As appeared on HGTV's
Dream Builder show

Featured Home of the Month
Feb 2002 issue
Home Automation Magazine
> At 07:37 AM 1/25/02, Bob Bruninga wrote:
>
> >THe way I saw it, the topic was OBJECTS, not speedtraps...
>
> Unfortunately, the example given was speed traps.   I bit my tounge and
> waited a day or two before I weighed in on the subject, because I was a
> afraid someone might actually think it was a good idea and start doing it.
>
> BTW, here in Sioux Falls the local PD updates the location and status of
> every patrol car in city via MDT at least six times an hour.
>
> I would be an IDIOT if I extracted that data (in an automated or even
> non-automated fashion) and posted it (in real time) to the Internet or a
> web site OR transmitted that data to other APRS users.     If I did, I
> would probably be known as the Abner Louima of Sioux Falls...   ;)
>
>
>
> 73,
>
> Mark
> KC7BXS
>
>
> ---
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> To unsubscribe send a blank email to leave-aprssig-842K@lists.tapr.org
> Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org
>

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```

Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

769. [aprssig] ADMIN: Re: Speed trap identification

From: Stan Horzepa <stanzepa@earthlink.net>
Date: Sat, 26 Jan 2002 12:01:13 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-59342-2002.01.26-11.31.38--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

The attempt to steer this topic back to APRS has failed miserably, so please
take this discussion off the SIG or I will get real mad real soon now.

Thank you for your cooperation!

Stan "the Mad" Horzepa, WA1LOU, APRSSIG administrator

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770. [aprssig] what a hobby

From: Kevin Deckert <kdeckert@mercuryspeed.com>
Date: Sat, 26 Jan 2002 10:52:42 -0800
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-59355-2002.01.26-13.24.20--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

When I told the guys I work with that I have a radio I use to talk to
space men....they looked at me a little funny but let it pass....
Then when I told them some guy in the U s of eh launched a battery
operated toolbox into space and left a tape measure sticking out....and
I can use my radio to contact stations all over north america......then
they started sitting at the other table during lunch.....When I tried to
explain apogee and perigee and LOS and TCA and LOS   that pretty much
sealed it.......they got me hat with LIS on it......they said it means
Lost In Space.....
I lost all credibility when I told them I talked to a woman in
space..and she answered me.....
I guess I better not show them my "station"   seeing all these antennas
and radios and computers.......probably would be more than they could
handle......what other hobby could you bounce signals off a tool box and
a tape measure... or use an eggbeater....or an inverted V..and talk in 3
letter words...QSL QRM...???
or a coffee can.......or walk around with radio, gps, tnc, boom
mike....and not work for the secret service.....EH!!!!
/What a wonderful hobby........
To all of you...you know who you are....who make our incredible hobby so
exciting....I thank you......and future generations will
too..........ve7whk

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771. [aprssig] pcsat from avola bc

From: Kevin Deckert <kdeckert@mercuryspeed.com>
Date: Sat, 26 Jan 2002 10:53:07 -0800
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-59356-2002.01.26-13.25.04--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

```
VE7WHK   DO01IS  51 47' 04"N  119 19' 09"W      0     0 km
KB8DID     EN82II  42 20' 06"N   83 16' 31"W      0  2910 km
PCSAT-1          0     0 km     Lat Out Of Range
CLARK       DM43EK  33 26' 43"N  111 36' 34"W      0  2123 km
W3ADO          0     0 km     Lat Out Of Range
PCSAT        EO22IO  52 35' 54"N   95 17' 35"W      0  1636 km
VA3BJD-1   FN03DL  43 28' 22"N   79 42' 25"W      0  3124 km

N8IGJ          EN62WV  42 54' 10"N   86 06' 33"W      0  2689 km

WA4SSP-1   EM95ML  35 29' 28"N   80 58' 27"W      0  3585 km

VE2CUZ       FN35EO  45 36' 48"N   73 39' 24"W      0  3444 km
```

```
N6JLH          CM98QJ  38 23' 45"N  120 37' 30"W      0  1483 km
N6CO           CM98QJ  38 23' 45"N  120 37' 30"W      0  1483 km
VE6RDW     DO43XG  53 17' 10"N  110 00' 14"W      0   654 km
KI7ER         CN84IM  44 31' 56"N  123 15' 41"W      0   852 km
```

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---

772. [aprssig] Ft238 Vs Micro Weather

From: <gavingroce@yahoo.com>
Date: Sat, 26 Jan 2002 13:04:15 -0600
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-59360-2002.01.26-13.34.35--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

has anyone built the http://www.tapr.org/tapr/html/Ft238.html TAPR weather kit? I was looking at the microweather http://www.qth.com/RXcomm but it does not include all the parts... does anyone know of the advantages and disadvantages?

does the micro weather support the rain bucket?

I am looking to set a station up with one soon...

____

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---

773. [aprssig] VHF Mobile Commercial Transceiver For APRS Use

From: <gavingroce@yahoo.com>
Date: Sat, 26 Jan 2002 14:43:54 -0600
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-59367-2002.01.26-15.14.17--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Anyone use a VHF Mobile Commercial Transceiver for aprs?
Looking at GE Phoenix-SX or an MVS? Any luck with these?
Know of a source or someone who can program them?

73 thanks

____

Do You Yahoo!?

Get your free @yahoo.com address at http://mail.yahoo.com

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---

774. [aprssig] Vga detector

From: Bob Bruninga <bruninga@usna.edu>
Date: Sat, 26 Jan 2002 16:03:34 -0500 (EST)
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-59368-2002.01.26-15.33.59--lyris.aprssig#tapr.org@lists.tapr.org>

Rendered body type: text/plain

What pins on a DB-15 VGA connector are used to sense the presence of an
external monitor on a laptop? I suspect it is one of the 3 RGB grounds,
but figured someone would know for sure...

Bob

You are currently subscribed to aprssig as: lyris.aprssig@tapr.org
To unsubscribe send a blank email to leave-aprssig-842K@lists.tapr.org
Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

775. [aprssig] Re: Vga detector

From: Glenn Little <glittle@awod.com>
Date: Sat, 26 Jan 2002 16:20:42 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-59371-2002.01.26-15.53.24--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Bob

This might be your answer

http://www.monitorworld.com/faq_pages/q17_page.html

73
Glenn
WB4UIV

At 04:03 PM 1/26/02 -0500, Bob Bruninga wrote:
>What pins on a DB-15 VGA connector are used to sense the presence of an
>external monitor on a laptop? I suspect it is one of the 3 RGB grounds,
>but figured someone would know for sure...
>
>Bob
>
>
>---
>You are currently subscribed to aprssig as: GLITTLE@AWOD.COM
>To unsubscribe send a blank email to leave-aprssig-842K@lists.tapr.org
>Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

```
-------------------------------------------------------------------------
Glenn Little                         glittle@awod.com   QCWA  LM 28417
Amateur Callsign:  WB4UIV            wb4uiv@amsat.org   AMSAT LM 2178
QTH:  Goose Creek, SC USA (EM92xx)                      ARRL  TAPR
-------------------------------------------------------------------------
```

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776. [aprssig] Re: VHF Mobile Commercial Transceiver For APRS Use

From: "Ev Tupis (W2EV)" <w2ev@arrl.net>
Date: Sat, 26 Jan 2002 16:35:53 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-59372-2002.01.26-16.06.53--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

gavingroce@yahoo.com wrote:
>
> Anyone use a VHF Mobile Commercial Transceiver for aprs?
> Looking at GE Phoenix-SX or an MVS? Any luck with these?
> Know of a source or someone who can program them?

http://www.packetradio.com
Look at #20 and up on the list
Buck will even sell these pre-modified and ready to go

Regards,
Ev Tupis, W2EV

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Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

777. [aprssig] Re: VHF Mobile Commercial Transceiver For APRS Use

From: Earl Needham <needhame@yucca.net>
Date: Sat, 26 Jan 2002 15:32:15 -0700
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-59378-2002.01.26-17.04.43--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

```
At 02:43 PM 1/26/2002 -0600, gavingroce@yahoo.com wrote:
>Anyone use a VHF Mobile Commercial Transceiver for aprs?
>Looking at GE Phoenix-SX or an MVS? Any luck with these?
>Know of a source or someone who can program them?
>
>73 thanks

         I bought a Phoenix SX from Buck at www.packetradio.com a good
while (a year or two?) ago.  It works absolutely WONDERFULLY and has never
given me any problems.  As I received it, it outputs about 60 watts on
144.39, can easily be turned down if necessary, but I've left it at 60
because of the huge distances between digis here in New Mexico and west Texas.

         7 3
         Earl


**********************************************************
Earl Needham, KD5XB mailto:needhame@yucca.net
Clovis, New Mexico
KD5XB-2>APU24L,WA5IHL-11,K5BEN-15,WA5IHL-7,W5SF-1,K5CQH-15,WB5EKP-1*,TRACE7-
1:=3425.84N/10313.56W-[DM84]
Pet peeve #1: You look at a "SITE" with your "SIGHT".
Pet peeve #2: "Congratulations" does NOT have a "d" in it.
Old pet peeve: People who get themselves on a mailing list and then can't
figure out how to get OFF the list, then repeatedly sending "unsubscribe"
or "remove" as one-word messages to the list.


---
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```

778. [aprssig] Re: VHF Mobile Commercial Transceiver For APRS Use

From: John Mc Hugh <johnk.mchugh@worldnet.att.net>
Date: Sat, 26 Jan 2002 18:06:19 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-59380-2002.01.26-17.35.25--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

```
at 02:43 PM 1/26/2002 -0600, gavingroce@yahoo.com wrote:
> >Anyone use a VHF Mobile Commercial Transceiver for aprs?
> >Looking at GE Phoenix-SX or an MVS? Any luck with these?
> >Know of a source or someone who can program them?
> >
> >73 thanks
>

I use several Phoenix-SX radios for APRS, they work great, are cheap,
are very easy to modify for APRS and you can adjust the power from about
10-60 watts

John
--
John Mc Hugh, KU4GY
Coordinator for Amateur Radio
National Hurricane Center, W4EHW
Miami, Florida
Home Page: http://www.fiu.edu/orgs/w4ehw/

---
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```

779. [aprssig] Re: VHF Mobile Commercial Transceiver For APRS Use

From: "Earl S. Garber" <n3eg@teleport.com>
Date: Sat, 26 Jan 2002 17:58:28
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-59383-2002.01.26-18.28.48--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

```
I've used Motorola mobiles (all types) and GE Phoenix SX radios, but have
had bad luck with MVS radios.  If the Phoenix radios are the type with the
removable 18 pin EEPROMS, I can program them.

On 01/26/02, "<gavingroce@yahoo.com>" wrote:
> Anyone use a VHF Mobile Commercial Transceiver for aprs?
> Looking at GE Phoenix-SX or an MVS? Any luck with these?
> Know of a source or someone who can program them?
> > 73 thanks

---
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```

780. [aprssig] Re: VHF Mobile Commercial Transceiver For APRS Use

From: "Ronald Reams" <wa4mjf@worldnet.att.net>
Date: Sat, 26 Jan 2002 19:13:23 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: "APRS SIG" <aprssig@tapr.org>
Message-ID: <LYR842-59390-2002.01.26-18.44.37--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

```
No longer, i bought the last couple that he had.

Work great, use mine for SEDAN.

73 de Ronnie


----- Original Message -----
From: "Ev Tupis (W2EV)" <w2ev@arrl.net>
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Sent: Saturday, January 26, 2002 16:35
Subject: [aprssig] Re: VHF Mobile Commercial Transceiver For APRS Use


gavingroce@yahoo.com wrote:
>
> Anyone use a VHF Mobile Commercial Transceiver for aprs?
> Looking at GE Phoenix-SX or an MVS? Any luck with these?
> Know of a source or someone who can program them?

http://www.packetradio.com
Look at #20 and up on the list
Buck will even sell these pre-modified and ready to go

Regards,
Ev Tupis, W2EV

---
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```

781. [aprssig] Re: VHF Mobile Commercial Transceiver For APRS Use

From: "Rich Garcia" <k4gps@arrl.net>
Date: Sat, 26 Jan 2002 20:23:14 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: "APRS SIG" <aprssig@tapr.org>
Message-ID: <LYR842-59397-2002.01.26-19.53.05--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

```
On that note I am searching for anyone who can program a SX.
Any suggestions are appreciated. I will only need 1-2 frequencies
entered. I lost access to a old bit by bit box when my old boss sold
```

it at a hamfest.

On 26 Jan 2002 at 19:13, Ronald Reams wrote:

> No longer, i bought the last couple that he had.
>
> Work great, use mine for SEDAN.
>
> 73 de Ronnie
>
>
> ----- Original Message -----
> From: "Ev Tupis (W2EV)" <w2ev@arrl.net>
> To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
> Sent: Saturday, January 26, 2002 16:35
> Subject: [aprssig] Re: VHF Mobile Commercial Transceiver For APRS Use
>
>
> gavingroce@yahoo.com wrote:
> >
> > Anyone use a VHF Mobile Commercial Transceiver for aprs?
> > Looking at GE Phoenix-SX or an MVS? Any luck with these?
> > Know of a source or someone who can program them?
>
> http://www.packetradio.com
> Look at #20 and up on the list
> Buck will even sell these pre-modified and ready to go
>
> Regards,
> Ev Tupis, W2EV
>
> ---
> You are currently subscribed to aprssig as: wa4mjf@worldnet.att.net To
> unsubscribe send a blank email to leave-aprssig-842K@lists.tapr.org
> Questions regarding the SIG go to the SIG administrator:
> wa1lou@tapr.org
>
>
>
>
> ---
> You are currently subscribed to aprssig as: k4gps@bellsouth.net
> To unsubscribe send a blank email to
> leave-aprssig-842K@lists.tapr.org Questions regarding the SIG go to
> the SIG administrator: wa1lou@tapr.org
>

Rich K4GPS
k4gps@arrl.net
Click here to track me:
http://www.findu.com/cgi-bin/find.cgi?k4gps or
http://www.findu.com/cgi-bin/find.cgi?k4gps-15

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---

782. [aprssig] Weather Radar Gif URL's

From: "AE5PL Lists" <HamLists@ametx.com>
Date: Sun, 27 Jan 2002 00:38:44 -0600
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-59429-2002.01.27-01.09.10--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

It was brought to my attention that my http://www.ae5pl.net/NWSRadar.asp
and http://www.ae5pl.net/NWSRadars.asp did not work with Netscape
Communicator. The work now.

Also, the URL's were all to the southern region (which came up bad for
radar sites in other regions). The URL's are now correct for each
region.

Enjoy.

73,

Pete Loveall AE5PL
http://www.ae5pl.net
mailto:pete@ae5pl.net

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---

783. [aprssig] Re: VHF Mobile Commercial Transceiver For APRS Use

From: WA8LMF2@aol.com
Date: Sun, 27 Jan 2002 01:41:09 EST
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: gavingroce@yahoo.com
Message-ID: <LYR842-59430-2002.01.27-01.11.41--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

In a message dated 1/26/02 12:45:52 PM Pacific Standard Time,
gavingroce@yahoo.com writes:

> Anyone use a VHF Mobile Commercial Transceiver for aprs?
> Looking at GE Phoenix-SX or an MVS? Any luck with these?
> Know of a source or someone who can program them?
>

Check out K4ABT's
www.packetradio.com

He is selling converted GEs for VHF and UHF already preprogrammed for the APRS and packet channels.

```
Stephen H. Smith                   wa8lmf @ aol.com
Home Page:
http://members.aol.com/wa8lmf
Ham Radio/Mobile SSTV page:     http://members.aol.com/wa8lmf/ham
APRS Stuff
http://members.aol.com/wa8lmf/aprs
------------------------------------------------------------------------------

----------
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Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

---

784. [aprssig] Icom IC-2100H Users/Owners

From: Matthew Stennett <WA4TKG@mediaone.net>
Date: Sun, 27 Jan 2002 03:17:45 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-59435-2002.01.27-02.48.17--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Kindly pass along your opinion of this radio...I
am considering one of these radios, and would like to
know how it is.
I don't plan to run it for packet/APRS, being that it
has no separate connector for running a patch cord/cable.
I intend to only use it for a mobile rig.
Also:
Have you done the mod for out of band receive?
I read about it on QRZ.com, and would like to know if it
is necessary to go in and cut the diode mentioned, if I only
am interested in RECEIVE out of band, and not concerned with
transmitting (especially since this would be ILLEGAL).
Tx.

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Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

785. [aprssig] Fwd: TH-D7

From: TWDM <twdm@mediaone.net>
Date: Sun, 27 Jan 2002 06:46:09 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-59445-2002.01.27-06.14.37--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

```
----------  Forwarded Message  ----------
Subject: TH-D7
Date: Sat, 26 Jan 2002 22:14:44 -0500
From: KB1GFV <KB1KFV@arrl.net>
To: aprssig@tapr.org


Have I missed it or is there a way to display battery status on this radio?

Thanks for any help
--
This message is from the keyboard of
Timothy WD MacDonald, KB1GFV

-------------------------------------------------------

---
You are currently subscribed to aprssig as: lyris.aprssig@tapr.org
To unsubscribe send a blank email to leave-aprssig-842K@lists.tapr.org
Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org
```

786. [aprssig] RE: Fwd: TH-D7

From: "Andrew Rich" <andrew.rich@bigpond.com>
Date: Sun, 27 Jan 2002 21:48:28 +1000
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-59446-2002.01.27-06.18.55--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

```
Not that I am aware of ...........mine doesn't


-----Original Message-----
From: bounce-aprssig-23621@lists.tapr.org
[mailto:bounce-aprssig-23621@lists.tapr.org]On Behalf Of TWDM
Sent: Sunday, 27 January 2002 9:46 PM
To: TAPR APRS Special Interest Group
Subject: [aprssig] Fwd: TH-D7




----------  Forwarded Message  ----------
Subject: TH-D7
Date: Sat, 26 Jan 2002 22:14:44 -0500
From: KB1GFV <KB1KFV@arrl.net>
To: aprssig@tapr.org


Have I missed it or is there a way to display battery status on this radio?

Thanks for any help
--
This message is from the keyboard of
Timothy WD MacDonald, KB1GFV

-------------------------------------------------------

---
You are currently subscribed to aprssig as: andrew.rich@bigpond.com
To unsubscribe send a blank email to leave-aprssig-842K@lists.tapr.org
Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org


---
You are currently subscribed to aprssig as: lyris.aprssig@tapr.org
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Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org
```

787. [aprssig] Re: Icom IC-2100H Users/Owners

From: "Joe Della Barba" <joe@dellabarba.com>
Date: Sun, 27 Jan 2002 06:48:37 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-59447-2002.01.27-06.21.09--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

```
The 2100H does not need a mod to receive out of band.
There is no reason you can't make it work on APRS/Packet, you just need to
make up a cable or get one of the MFJ switchboxes.
Now that the BRAND NEW 2100H is about $125 or so, I can't believe that all
the old 2 meter stuff on EBAY is getting bid up higher than that. I think
that if a new 2 meter is $125, a 10 or 20 year old rig is worth about $50 to
$75 max.
73
Joe N3HGB

----- Original Message -----
From: "Matthew Stennett" <WA4TKG@mediaone.net>
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Sent: Sunday, January 27, 2002 3:17 AM
Subject: [aprssig] Icom IC-2100H Users/Owners


> Kindly pass along your opinion of this radio...I
> am considering one of these radios, and would like to
> know how it is.
> I don't plan to run it for packet/APRS, being that it
> has no separate connector for running a patch cord/cable.
> I intend to only use it for a mobile rig.
> Also:
> Have you done the mod for out of band receive?
> I read about it on QRZ.com, and would like to know if it
> is necessary to go in and cut the diode mentioned, if I only
> am interested in RECEIVE out of band, and not concerned with
> transmitting (especially since this would be ILLEGAL).
> Tx.
>
>
> ---
> You are currently subscribed to aprssig as: joe@dellabarba.com
> To unsubscribe send a blank email to leave-aprssig-842K@lists.tapr.org
> Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org
>
>



---
You are currently subscribed to aprssig as: lyris.aprssig@tapr.org
To unsubscribe send a blank email to leave-aprssig-842K@lists.tapr.org
Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org
```

---

788. [aprssig] Re: TH-D7

From: "Hector Figueroa" <hfigueroa@yahoo.com>
Date: Sun, 27 Jan 2002 04:16:08 -0800
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-59448-2002.01.27-06.46.45--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

```
Just hit ptt, it displays battery level with the power output bars of the
s-meter, gives you some indication

-----Original Message-----
From: bounce-aprssig-2025@lists.tapr.org
[mailto:bounce-aprssig-2025@lists.tapr.org]On Behalf Of Andrew Rich
Sent: Sunday, January 27, 2002 3:48 AM
To: TAPR APRS Special Interest Group
Subject: [aprssig] RE: Fwd: TH-D7


Not that I am aware of ..........mine doesn't


-----Original Message-----
From: bounce-aprssig-23621@lists.tapr.org
[mailto:bounce-aprssig-23621@lists.tapr.org]On Behalf Of TWDM
Sent: Sunday, 27 January 2002 9:46 PM
To: TAPR APRS Special Interest Group
Subject: [aprssig] Fwd: TH-D7
```

---------- Forwarded Message ----------
Subject: TH-D7
Date: Sat, 26 Jan 2002 22:14:44 -0500
From: KB1GFV <KB1KFV@arrl.net>
To: aprssig@tapr.org

Have I missed it or is there a way to display battery status on this radio?

Thanks for any help

____

Do You Yahoo!?

Get your free @yahoo.com address at http://mail.yahoo.com

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To unsubscribe send a blank email to leave-aprssig-842K@lists.tapr.org
Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

789. [aprssig] Re: Icom IC-2100H Users/Owners

From: <gavingroce@yahoo.com>
Date: Sun, 27 Jan 2002 10:16:48 -0600
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-59465-2002.01.27-10.47.11--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

don't do ebay go to eham.net and post something there... Ebay's prices are
waaay to high

-----Original Message-----
From: bounce-aprssig-27324@lists.tapr.org
[mailto:bounce-aprssig-27324@lists.tapr.org]On Behalf Of Joe Della Barba
Sent: Sunday, January 27, 2002 5:49 AM
To: TAPR APRS Special Interest Group
Subject: [aprssig] Re: Icom IC-2100H Users/Owners

The 2100H does not need a mod to receive out of band.
There is no reason you can't make it work on APRS/Packet, you just need to
make up a cable or get one of the MFJ switchboxes.
Now that the BRAND NEW 2100H is about $125 or so, I can't believe that all
the old 2 meter stuff on EBAY is getting bid up higher than that. I think
that if a new 2 meter is $125, a 10 or 20 year old rig is worth about $50 to
$75 max.
73
Joe N3HGB

----- Original Message -----
From: "Matthew Stennett" <WA4TKG@mediaone.net>
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Sent: Sunday, January 27, 2002 3:17 AM
Subject: [aprssig] Icom IC-2100H Users/Owners

> Kindly pass along your opinion of this radio...I
> am considering one of these radios, and would like to
> know how it is.
> I don't plan to run it for packet/APRS, being that it
> has no separate connector for running a patch cord/cable.
> I intend to only use it for a mobile rig.
> Also:
> Have you done the mod for out of band receive?
> I read about it on QRZ.com, and would like to know if it
> is necessary to go in and cut the diode mentioned, if I only
> am interested in RECEIVE out of band, and not concerned with
> transmitting (especially since this would be ILLEGAL).
> Tx.

```
>
>
> ---
> You are currently subscribed to aprssig as: joe@dellabarba.com
> To unsubscribe send a blank email to leave-aprssig-842K@lists.tapr.org
> Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org
>
>
```

You are currently subscribed to aprssig as: gavingroce@yahoo.com
To unsubscribe send a blank email to leave-aprssig-842K@lists.tapr.org
Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

____

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Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

---

790. [aprssig] Motorola GT Plus OncoreT 8 channel

From: <gavingroce@yahoo.com>
Date: Sun, 27 Jan 2002 10:47:16 -0600
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-59467-2002.01.27-11.17.41--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Motorola GT Plus Oncore� 8 channel

any tiffs or comments about it?

how well does it work for aprs?

____

Do You Yahoo!?

Get your free @yahoo.com address at http://mail.yahoo.com

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Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

---

791. [aprssig] More DX via PCSat!

From: "Eric Mackie" <9z4cp@rave-tt.net>
Date: Sun, 27 Jan 2002 11:13:57
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-59468-2002.01.27-11.44.19--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

I had another great pass from PCSat last night. I am not transmitting to the satellite, as I am in dreamland when it passes, but I am receiving some long distance stations. Last night I copied KB8DID, up near Detroit, and when I hooked the station, APRS told me he was 2547 miles away. That's even further than the VE2 station on the 25th. I noticed a couple things, though. One is that a symbol for PCSat was on the screen. It was just north of the Caribbean, at 1826.38N and 06325.39W. When I hooked KB8DID, the PCSat symbol was repositioned to a location in the Atlantic, almost directly East of KB8DID. Is this position where PCSat heard KB8DID and digipeated him to me? According to my rough calculations, that's a dogleg of approximately 3700 miles!

The other thing I noticed is that in both the contact the day before and
the one today, the stations were using aliases of WIDE(VE2CUZ), and
WIDE,WIDE(KB8DID).
I thought everyone understood that was not to be done.

Great to hear all of you down here.
Eric Mackie 9Z4CP.
9z4cp@rave-tt.net

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Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

---

792. [aprssig] Need direct access to findu.com database

From: Richard Parry <rparry@actionware.sdcoxmail.com>
Date: Sun, 27 Jan 2002 10:06:38 -0800
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-59472-2002.01.27-12.37.14--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

I need to access the findu.com database to extract weather data. About 2
years ago, Steve publicly provided the username and password and I wrote a
perl script to access the database, but it no longer works. Has Steve
stopped "direct" access to the findu.com database?

Anyone have perl code that currently works to access the database.

thanks in advance, W9IF
Rich Parry

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To unsubscribe send a blank email to leave-aprssig-842K@lists.tapr.org
Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

---

793. [aprssig] RE: Weather Radar Gif URL's

From: "AE5PL Lists" <HamLists@ametx.com>
Date: Sun, 27 Jan 2002 12:06:57 -0600
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-59473-2002.01.27-12.37.30--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

There was a bug in the listing of sites with a / between city names.
This has been corrected.

73,

Pete Loveall AE5PL
http://www.ae5pl.net
mailto:pete@ae5pl.net

> -----Original Message-----
> From: AE5PL Lists
> Posted At: Sunday, January 27, 2002 12:41 AM
> Subject: [aprssig] Weather Radar Gif URL's
>
> It was brought to my attention that my
> http://www.ae5pl.net/NWSRadar.asp
> and http://www.ae5pl.net/NWSRadars.asp did not work with Netscape
> Communicator. The work now.
>
> Also, the URL's were all to the southern region (which came up bad for
> radar sites in other regions). The URL's are now correct for each
> region.

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Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

---

794. [aprssig] AHubIN, and AHubSAT, back Online

From: "Zachary Grant Michael, KB9UQQ" <kb9uqq_2000@yahoo.com>
Date: Sun, 27 Jan 2002 14:31:06 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-59475-2002.01.27-14.01.30--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

```
All,
AHubIN, and AHubSat are both back online. All problems and hardware upgrades are completed. If you have
any troubles, let me know, and I'll work on it ASAP. For more information on AHubIN, and AHubSAT, goto:
http://www.qsl.net/kb9uqq/AHubIN/AHubIN.html.
73 de kb9uqq
--
Zachary Grant Michael, KB9UQQ
http://www.qsl.net/kb9uqq/
```

---

795. [aprssig] D700 TXDelay

From: "Andrew Rich" <andrew.rich@bigpond.com>
Date: Mon, 28 Jan 2002 08:27:05 +1000
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-59518-2002.01.27-16.57.32--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

```
How do u change the txdelay in TNC APRS mode ?

Andrew VK4TEC

---
You are currently subscribed to aprssig as: lyris.aprssig@tapr.org
To unsubscribe send a blank email to leave-aprssig-842K@lists.tapr.org
Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org
```

---

796. [aprssig] Re: Win APRS web server? Being able to query it and sow a map on the local Lan

From: "Brent Hildebrand" <bhildebrand@earthlink.net>
Date: Sun, 27 Jan 2002 17:00:05 -0800
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-59531-2002.01.27-19.32.16--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

```
OK, this is not about winAPRS, but the web server built into APRS+SA will provide a link to download an
SA map that can be downloaded and displayed in Street Atlas USA.  Yes, Street Atlas needs to installed
on the client machine.  Brent KH2Z

----- Original Message -----
From: "Brian Webster" <radiowebst@yahoo.com>
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Sent: Friday, January 25, 2002 8:11 AM
Subject: [aprssig] Win APRS web server? Being able to query it and sow a map on the local Lan


> Is there an easy way to run a query (using a web browser) against my local
> WINAPRS web server and have it come back with a map without having to
> connect to map blast? I was thinking of making a link/URL shortcut on my
> wife's computer for her to run against my APRS station on the LAN and give
> her a map in the web browser to see how close to home I am. I know it works
> if you have outside connectivity but I don't have a full time net
> connection.
>
>
> Brian, N2KGC
>
>
>
> __________________________________________________
>
> Do You Yahoo!?
>
> Get your free @yahoo.com address at http://mail.yahoo.com
>
>
>
>
> ---
> You are currently subscribed to aprssig as: bhildebrand@earthlink.net
> To unsubscribe send a blank email to leave-aprssig-842K@lists.tapr.org
> Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org
>


---
You are currently subscribed to aprssig as: lyris.aprssig@tapr.org
To unsubscribe send a blank email to leave-aprssig-842K@lists.tapr.org
Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org
```

---

797. [aprssig] Re: D700 TXDelay

From: Robbie Robertson <mwrobertson@attbi.com>
Date: Sun, 27 Jan 2002 19:26:33 -0600
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: TAPR APRS Special Interest Group <aprssig@lists.tapr.org>
Message-ID: <LYR842-59536-2002.01.27-19.55.26--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Hi Andrew,

I have not confirmed this because of where the D700 is at the moment.

I would connect a PC to the D700. Turn the D700 on, and set to TNC Packet. Then with the PC, query the parameters of the tnc with a communications program, (Winaprs, APRSDos, or HyperTerm). I.E. TXD The tnc will respond with the setting like Txdelay 33. Set the TXDELAY with what you need from 1 ~ 120. each unit consists of 10 milliseconds.

To see if it holds when you set the D700 to TNC Aprs, switch the D700 to TNC APRS, wait a few seconds, then switch it back to TNC Packet and read the TXDELAY again to see if something in the firmware of TNC Aprs changes to a default. I don't think so, :-)

I have not found a reason to change it, but then , I only run it in TNC APRS mode with a GPS connected...

Am curious as to what you find..

Robbie

Andrew Rich wrote:
>
> How do u change the txdelay in TNC APRS mode ?
>
> Andrew VK4TEC
>
> ---
> You are currently subscribed to aprssig as: mwrobertson@attbi.com
> To unsubscribe send a blank email to leave-aprssig-842K@lists.tapr.org
> Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

--

- Robbie Robertson -
...-.- wa9inf ...-.-

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Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

---

798. [aprssig] RE: Icom IC-2100H Users/Owners

From: "Jason Armentrout \(N4DSL\)" <n4dsl@atrs.com>
Date: Sun, 27 Jan 2002 22:20:52 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-59546-2002.01.27-21.53.28--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

I own 2 Icom 2100H rigs and I think they are the best low cost 2m rig you can buy. It has every feature you would want in a 2m rig and has a very nice receive on it. And you can't beat the price you can get one for, about $145 new.
I use one as a base in the shack and I have one on the mountaintop on my APRS digi and works excellent for my digi. It is easy to hookup to a TNC. I use a Kantronics KPC3+

I would surely go with this radio, if all you need is 2m.
The others are right, the used stuff it going way over what it should. I guess people don't shop around.

73
N4DSL
Jason

-----Original Message-----
From: bounce-aprssig-26273@lists.tapr.org
[mailto:bounce-aprssig-26273@lists.tapr.org]On Behalf Of Matthew Stennett
Sent: Sunday, January 27, 2002 3:18 AM

```
To: TAPR APRS Special Interest Group
Subject: [aprssig] Icom IC-2100H Users/Owners


Kindly pass along your opinion of this radio...I
am considering one of these radios, and would like to
know how it is.
I don't plan to run it for packet/APRS, being that it
has no separate connector for running a patch cord/cable.
I intend to only use it for a mobile rig.
Also:
Have you done the mod for out of band receive?
I read about it on QRZ.com, and would like to know if it
is necessary to go in and cut the diode mentioned, if I only
am interested in RECEIVE out of band, and not concerned with
transmitting (especially since this would be ILLEGAL).
Tx.


---
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To unsubscribe send a blank email to leave-aprssig-842K@lists.tapr.org
Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org


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You are currently subscribed to aprssig as: lyris.aprssig@tapr.org
To unsubscribe send a blank email to leave-aprssig-842K@lists.tapr.org
Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org
```

---

799. [aprssig] Re: [javaprs] Weather Radar Gif URL's

From: "Gregg G. Wonderly" <gregg@skymaster.c2-tech.com>
Date: Sun, 27 Jan 2002 21:27:14 -0600
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: APRS SIG <aprssig@lists.tapr.org>
Message-ID: <LYR842-59548-2002.01.27-21.57.42--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

```
>It was brought to my attention that my http://www.ae5pl.net/NWSRadar.asp
>and http://www.ae5pl.net/NWSRadars.asp did not work with Netscape
>Communicator.  The work now.
>
>Also, the URL's were all to the southern region (which came up bad for
>radar sites in other regions).  The URL's are now correct for each
>region.

Is there a URL that just returns the information about one radar site as a
text/plain document with a separator such as ',' as in.


KINX,lat,lon,gifleft,giftop,...

That would make it easy for the applet to get the right information and not
have to put it into the HTML tag.

Also, the reference URLs for the composite and non-composite images could be
selectable URLs so that one could put in lat and lon and then just click on
the closest one.

-----
gregg@c2-tech.com  (C2 Technologies Inc)




---
You are currently subscribed to aprssig as: lyris.aprssig@tapr.org
To unsubscribe send a blank email to leave-aprssig-842K@lists.tapr.org
Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org
```

---

800. [aprssig] RE: Weather Radar Gif URL's

From: "AE5PL Lists" <HamLists@ametx.com>
Date: Sun, 27 Jan 2002 22:56:07 -0600
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-59559-2002.01.27-23.26.34--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

```
If I did that, then what would you have left to do <g>?  I have no plans
to make any more changes to those pages.
```

Sorry.

73,

Pete Loveall AE5PL
http://www.ae5pl.net
mailto:pete@ae5pl.net

> -----Original Message-----
> From: Gregg G. Wonderly [mailto:gregg@skymaster.c2-tech.com]
> Posted At: Sunday, January 27, 2002 9:29 PM
> Subject: [aprssig] Re: [javaprs] Weather Radar Gif URL's
>
> Is there a URL that just returns the information about one
> radar site as a
> text/plain document with a separator such as ',' as in.
>
>
> KINX,lat,lon,gifleft,giftop,...
>
> That would make it easy for the applet to get the right
> information and not
> have to put it into the HTML tag.
>
> Also, the reference URLs for the composite and non-composite
> images could be
> selectable URLs so that one could put in lat and lon and then
> just click on
> the closest one.

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Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

---

801. [aprssig] Re: VHF Mobile Commercial Transceiver For APRS Use

From: Steve Slay <snslay@swbell.net>
Date: Sun, 27 Jan 2002 23:09:53 -0600
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-59561-2002.01.27-23.41.08--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

I built my own programmer for less than $10 using the X2212 programmer schematic at;
http://www.engr.mun.ca/~gmarsh/phoenix/sch.txt

The software, for $0, can be found at:
http://www.engr.mun.ca/~gmarsh/phoenix/

Steve Slay
KC5MVY
Where am I now? http://www.findu.com/cgi-bin/find.cgi?call=KC5MVY
Where have I been lately? http://www.findu.com/cgi-bin/track.cgi?call=KC5MVY
With weather RADAR http://www.findu.com/cgi-bin/find.cgi?call=KC5MVY&radar=LBB

----- Original Message -----
From: "Rich Garcia" <k4gps@arrl.net>
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: "APRS SIG" <aprssig@tapr.org>
Sent: Saturday, January 26, 2002 7:23 PM
Subject: [aprssig] Re: VHF Mobile Commercial Transceiver For APRS Use

> On that note I am searching for anyone who can program a SX.
> Any suggestions are appreciated. I will only need 1-2 frequencies
> entered. I lost access to a old bit by bit box when my old boss sold
> it at a hamfest.

You are currently subscribed to aprssig as: lyris.aprssig@tapr.org
To unsubscribe send a blank email to leave-aprssig-842K@lists.tapr.org
Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

802. [aprssig] Need info on programing Neutec radios..

From: Carl Taylor <carltt@bellsouth.net>
Date: Mon, 28 Jan 2002 00:29:39 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-59564-2002.01.27-23.59.49--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

I have some of these radios on the old APRS freq and need
to reprogram the eproms for the new freq....

I understand CAP uses a lot of them...

Can anybody help...

Carl Taylor   W9ZGU   Hollywood, FL.

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To unsubscribe send a blank email to leave-aprssig-842K@lists.tapr.org
Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

---

803. [aprssig] Change of email address....

From: Jim Duncan <ku0g@kcaprs.org>
Date: Mon, 28 Jan 2002 00:03:35 -0600
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-59585-2002.01.28-00.33.37--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Stan, et al....

Due to the changeover to DSL, my ku0g@kcaprs.org address is temporarily
disabled as it all forwards to ku0g@earthlink.net. Until Earthlink gets
it's act together, I have re-subscribed to the list as
jdbandman@earthlink.net.

Those who have me in their address books should edit their entries to
reflect this change. I anticipate having ku0g@kcaprs.org working
properly sometime Monday....

Stan: If you would make this change to ALL of the TAPR APRS groups I'm
on it would help speed the process up a bit here as we re-group....

--
73 de Jim, KU0G
Chairman/Coordinator
Kansas City APRS Working Group, W0APR
First Alert Storm Team KMBC-TV9
Mailto:ku0g@kcaprs.org
Webpage: http://www.kcaprs.org

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---

804. [aprssig] Re: D700 TXDelay

From: "Glen Tubbesing" <n7got@yahoo.com>
Date: Sun, 27 Jan 2002 22:58:00 -0800
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-59593-2002.01.28-01.28.50--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Go to
http://216.133.82.101/Amateur/Current%20Instruction%20Manuals/TMD700A_Specialized.PDF to look at the manual. TNC commands start on page 41.

73,
Glen Tubbesing
N7GOT
Las Vegas, NV

-----Original Message-----
From: bounce-aprssig-26549@lists.tapr.org
[mailto:bounce-aprssig-26549@lists.tapr.org] On Behalf Of Robbie
Robertson
Sent: Sunday, January 27, 2002 05:27 PM
To: TAPR APRS Special Interest Group

Cc: TAPR APRS Special Interest Group
Subject: [aprssig] Re: D700 TXDelay

Hi Andrew,

I have not confirmed this because of where the D700 is at the moment.

I would connect a PC to the D700. Turn the D700 on, and set to TNC Packet. Then with the PC, query the parameters of the tnc with a communications program, (Winaprs, APRSDos, or HyperTerm). I.E. TXD The tnc will respond with the setting like Txdelay 33. Set the TXDELAY with what you need from 1 ~ 120. each unit consists of 10 milliseconds.

To see if it holds when you set the D700 to TNC Aprs, switch the D700 to TNC APRS, wait a few seconds, then switch it back to TNC Packet and read the TXDELAY again to see if something in the firmware of TNC Aprs changes to a default. I don't think so, :-)

I have not found a reason to change it, but then , I only run it in TNC APRS mode with a GPS connected...

Am curious as to what you find..

Robbie

Andrew Rich wrote:
>
> How do u change the txdelay in TNC APRS mode ?
>
> Andrew VK4TEC
>
> ---
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--

- Robbie Robertson -
...-.- wa9inf ...-.-

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---

805. [aprssig] Reliability of repeating AFSK through analog repeater

From: Alex <kr1st@amsat.org>
Date: Mon, 28 Jan 2002 08:35:03 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-59618-2002.01.28-08.08.07--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Hi there,

The following caught my eye in the description of a newly proposed satellite (not the Eagle project) in the most recent Amsat newsletter:

```
<quote>
* repeat 1200-baud AFSK APRS packet data through the satellite's
  analog repeater
</quote>

How reliable is repeating AFSK with an analog repeater?

73s,
--Alex

---
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```

---

806. [aprssig] PCSat Newspaper Story

From: Jeff Reinhardt <jreinh@ix.netcom.com>
Date: Mon, 28 Jan 2002 08:49:08 -0800
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-59634-2002.01.28-11.18.16--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

```
Congrats to Bob Bruninga nd his team on the Associated Press story that
ran in the Star newspapers that cover Ventura County California.

The sizable piece (complete with a color photo of Bob and an
illustration of the "bird") appeared on the fron page of the
Business/Technology section of the newspaper. Only a tiny mention of
amateur radio, but the focus of the story was on the economy of the
satellite.

http://www.staronline.com/vcs/technology/article/0,1375,VCS_129_960068,00.html

Jeff Reinhardt AA6JR

---
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```

---

807. [aprssig] Re: Reliability of repeating AFSK through analog repeater

From: Mark Fellhauer <sparkfel@qwest.net>
Date: Mon, 28 Jan 2002 11:17:36 -0600
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-59637-2002.01.28-11.48.11--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

```
At 07:35 AM 1/28/02, Alex wrote:

>How reliable is repeating AFSK with an analog repeater?

Very reliable.  It's been done for years.

73,

Mark
KC7BXS


---
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```

---

808. [aprssig] Re: Reliability of repeating AFSK through analog repeater

From: "jeff king" <jking@aerodata.net>
Date: Mon, 28 Jan 2002 11:23:14 -0600
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-59639-2002.01.28-11.54.16--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

```
Alex wrote:

> <quote>
> * repeat 1200-baud AFSK APRS packet data through the satellite's
>   analog repeater
> </quote>
>
```

> How reliable is repeating AFSK with an analog repeater?

Very, with the same kudos as setting any radio up with AFSK into a FM
rig. Some of our first packet here in Detroit/Ann Arbor (and I
understand Tuscon) was over a repeater... the 220 arrow repeater. Later
a few of us set up a tone regenerating 440 full duplex packet repeater.

Understand that with a repeater, CSMA actually works as the repeater
lets everyone hear everyone else (and in effect defines the LAN size).
The difference in throughput is dramatic.

Now, a even better method is a regenerating repeater, which has a Bell
202 demodulator on the receiever and then remodulates the tones on the
TX (in effect to back-to-back TNC's). This guarentees perfect and
consistent tones on the TX side (although it can't fix bit errors).

-Jeff wb8wka

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---

809. [aprssig] Re: Reliability of repeating AFSK through analog repeater

From: Stephan Greene <sgreene@patriot.net>
Date: Mon, 28 Jan 2002 14:59:23 -0500 (EST)
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: TAPR APRS Special Interest Group <aprssig@lists.tapr.org>
Message-ID: <LYR842-59656-2002.01.28-14.30.28--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

On Mon, 28 Jan 2002, jeff king wrote:

> Alex wrote:
>
> > <quote>
> > * repeat 1200-baud AFSK APRS packet data through the satellite's
> >   analog repeater
> > </quote>
> >
> > How reliable is repeating AFSK with an analog repeater?
>
> Very, with the same kudos as setting any radio up with AFSK into a FM
> rig. Some of our first packet here in Detroit/Ann Arbor (and I

> Now, a even better method is a regenerating repeater, which has a Bell
> 202 demodulator on the receiever and then remodulates the tones on the
> TX (in effect to back-to-back TNC's). This guarentees perfect and
> consistent tones on the TX side (although it can't fix bit errors).

using repeaters on the terrestrial packet network is something that should
have been done more often than it was; a repeater is much preferable to a
digipeater for the reasons stated.

For satellites, I think regeneration is essential. We tried that years
ago on AO-27 when we first turned on the bent-pipe repeater. 1200 baurd
AFSK would go through, but was very prone to errors - all the noise
received by the satellite becomes part of the downlink signal.

There's also the question of ease of use of AFSK (modems are plentiful and
inexpensive) versus using a better modulation scheme (more reliable but
where do you get the modem?).

73 Steve KA1LM

```
------------------------------------------------------------------------
Stephan A. Greene     sgreene@patriot.net        ka1lm@amsat.org
------------------------------------------------------------------------
```

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---

810. [aprssig] GBR-21?

From: Earl Needham <needhame@yucca.net>
Date: Mon, 28 Jan 2002 15:16:13 -0700
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-59675-2002.01.28-16.46.52--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Just asking --

Anybody got a GBR-21 they'd like to get rid of for less than, say, $100?

Earl

****
Earl Needham, KD5XB mailto:needhame@yucca.net
Clovis, New Mexico
KD5XB-2>APU24L,WA5IHL-11,K5BEN-15,WA5IHL-7,W5SF-1,K5CQH-15,WB5EKP-1*,TRACE7-1:=3425.84N/10313.56W-[DM84]
Pet peeve #1: You look at a "SITE" with your "SIGHT".
Pet peeve #2: "Congratulations" does NOT have a "d" in it.
Old pet peeve: People who get themselves on a mailing list and then can't
figure out how to get OFF the list, then repeatedly sending "unsubscribe"
or "remove" as one-word messages to the list.

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---

811. [aprssig] Unlicensed CB-type anarchy moving in on GMRS radio service

From: WA8LMF2@aol.com
Date: Mon, 28 Jan 2002 17:37:53 EST
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-59688-2002.01.28-17.08.25--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

This story is reproduced from a local suburban newspaper in the San Francisco area.

Published Sunday, January 27, 2002 ContraCosta (California) Times

Two-way radio business booms

Two-way radios, once known as walkie-talkies, are becoming a hot consumer product, thanks to aggressive marketing and huge price cuts. Family Radio Service, or FRS, radios now sell for $15 to $50, and radios using the longer-range General Mobile Radio Service, or GMRS, start at $50. People are using FRS and GMRS to keep in touch at theme parks, on ski slopes, across school campuses and around construction sites. The radios are even squelching the age-old sound of parents yelling down the street to summon their children for dinner. FRS, in particular, is booming.

The Federal Communications Commission set aside a frequency band for FRS in 1996, with no license required, to support low-cost, low-power two-way talk. Prices were relatively high in the beginning, with FRS radios running $100 to $200, and sales were modest. But, as with all things electronic, prices moved downward -- pushing consumer enthusiasm up. Motorola (www.motorola.com/talkabout <http://www.motorola.com/talkabout>), one of the three biggest makers of FRS radios along with Audiovox (www.audiovox.com <http://www.audiovox.com>) and Cobra Electronics (www.cobra.com <http://www.cobra.com>), says FRS sales zoomed from 500,000 units in 1997 to 1.75 million in 1998, 5 million in 1999, 7.5 million in 2000, and an estimated 9.1 million in 2001.
FRS gained popularity because there is no monthly service fee, as with mobile phones, and because they are inexpensive enough to give to children. The biggest limitation of FRS is range: The radios are limited by the FCC to one-half watt of transmitting power, which manufacturers advertise as enough to cover two miles. But that's under ideal conditions; typically, FRS radios can't reliably communicate much more than the distance of a few city blocks. FRS users must also adapt to the walkie-talkie mode of chatting, where you push a button to talk and can't hear a reply until the button is released.

GMRS predates FRS by many years but was largely restricted to professional users because the radios were expensive. In 2001, however, manufacturers figured out how to apply the high-volume production techniques of FRS to bring down GMRS prices. The industry was also helped by slumping demand for personal computers and wireless phones, which use some of the same components as two-way radios.

The results were dramatic: From a price range of $200 and above, GMRS radios went under $100 for the first time in mid-2001 and kept dropping, to the point where some models now cost as little as $49.

GMRS radios typically offer two watts of transmitting power, enough for an advertised range of five miles. Again, that's more than most users will get, but the range should still be double that of FRS.

Most GMRS radios can also receive and transmit on FRS frequencies, so a family or other group can mix FRS and GMRS units without losing touch.

On paper, there's one downside to GMRS: The radios require an FCC license. Users are supposed to send the federal agency an application form and check for $85 to get rights to operate a GMRS radio for five years.

Most GMRS buyers, however, never bother with registration -- a reality the industry won't discuss on the record, for obvious reasons. At the risk of encouraging civil disobedience, I can say there's not much risk in going without a license; the FCC isn't making a significant effort to enforce registration.

With lower prices, GMRS is starting to take sales away from FRS. Audiovox estimates GMRS accounted for only 7 percent to 8 percent of its two-way radio sales in 2000, with FRS taking almost all the rest. But GMRS jumped to 10 percent to 15 percent in 2001, and the company is forecasting 20 percent to 25 percent in 2002.

Manufacturers are doing more than slashing prices; they are also trying out variations on the familiar hand-held design.

Audiovox introduced FRS and GMRS base stations last year, tabletop units that could sit on a kitchen counter, for example, so Mom and Dad could listen for a call from the kids without having to carry around a radio. Cobra and Garmin International (www.garmin.com <http://www.garmin.com>) have introduced FRS/GMRS radios with built-in Global Positioning System receivers, so you can see where you are as well as talk. And Audiovox will ship a $99 GMRS model this summer that boasts three watts of transmitting power, raising the advertised range to seven miles.

I borrowed the Audiovox FRS1000 base station, which has a list price of $69.95 but sells for about half that amount, along with a pair of Audiovox FR1428 radios and tried the kitchen scenario. Walking my dog Kobuk at a park near my home, I could stay in touch with my wife Debbie in the kitchen as she fed our 18-month-old daughter Sara. Signal strength and audio quality were good over a distance of about a quarter-mile. The only problem was that I occasionally had to wait for Debbie to reply, since she couldn't hit the talk button on the base station while spooning oatmeal into Sara.

I also tried a range test by driving in my car away from the house. I got about a half-mile before the signal faded to the point where Debbie couldn't hear me clearly -- about the same range I experienced when I first tested FRS radios five years ago. Once Sara gets old enough to explore the neighborhood on her own, I'm very likely to invest in an FRS or GMRS base station and radio. The FRS1000, by the way, is already being phased out. Audiovox will ship the smaller FRS1100 with a list price of $49.95 in June, along with a similar model for GMRS, the GMRS2100, at $59.95.

If you're interested in joining the two-way chat-a-thon, here's my advice: The least expensive FRS radios, selling for as little as $30 a pair, will do the job for keeping track of children over short distances in residential areas -- and are inexpensive enough that parents won't cringe if one gets lost or broken.

For communicating in busy public places, such as shopping malls or water parks, spend a little more for FRS radios with "subchannels," also known as "privacy codes," to block the voices of other users.

GMRS is the best choice for applications where maximum range is critical, especially outdoor activities such as hiking, camping, hunting and fishing.

Make your own decision whether to send $85 to Uncle Sam for your FCC license.

Contact Mike Langberg at mike@langberg.com <mailto:mike@langberg.com> or 408-920-5084.

```
Stephen H. Smith                  wa8lmf @ aol.com
Home Page:                        http://members.aol.com/wa8lmf
Ham Radio/Mobile SSTV page:       http://members.aol.com/wa8lmf/ham
APRS Stuff                        http://members.aol.com/wa8lmf/aprs
--------------------------------------------------------------------
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---

812. [aprssig] Re: Reliability of repeating AFSK through analog repeater

From: "Mike Yetsko" <myetsko@insydesw.com>
Date: Mon, 28 Jan 2002 18:00:35 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-59689-2002.01.28-17.31.03--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

On some repeaters, yes. On others, no.

Two, and maybe three, things can byte (sorry, stupid pun) you...
(I know, I know, should I be slapped silly with a wet resistor
code for that one? Hey, I know there are a few people that just
want to slap me silly for ANY reason already!)

Time to TX stable. When a repeater 'keys up', the added time for the
repeater to output a stable carrier with data may not be quick enough
for whatever you're trying to send through.

Just needs to be checked...

Another issue is the passband. Some repeaters don't have a smooth
passband envelope. At either end of their passband, they might have
weird phase anomalies or attenuations that can also be an issue.

Finally, some repeaters aren't. They don't repeat. They 'store forward'
with a slight time delay. What this means is when you send something
through a repeater, it may come out the other end a significant fraction
of a second later. Some repeater controllers do this so they can do
'tone detect' on the front end, and mute the signal on the back end.
That way they have a 'buffer delay' to allow for clean tone detection.
Sorta like the 7-second delay Johnny Carson had on the Tonight Show
to allow the censors time to bleeps anything that needed to be bleeped,
only with the repeaters it's less than a second. Usually.

If you send any data through a repeater where a receiver might look for
end of carrier (a data carrier, not RF) and then times and starts sending
a response, that can cause SERIOUS headaches unless it's accounted
for.

An easy way to check if the repeater in question does a store-forward is
to just wait till there is a conversation where you can hear the input and
flip back and forth from input to output with your reverse button if you
have one. If the repeater delays, then flicking fast enough will sound
like
an echo. Or just listen to yourself on a monitor, or other people with
two
monitors, one on input, one on output, and you can easily hear the delay.

Mike

----- Original Message -----
From: "Mark Fellhauer" <sparkfel@qwest.net>

> At 07:35 AM 1/28/02, Alex wrote:
>
> >How reliable is repeating AFSK with an analog repeater?
>
> Very reliable. It's been done for years.
>
> 73,
>
> Mark
> KC7BXS

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813. [aprssig] GPS/VHF Dual Band Antenna

From: "Jack Smith" <jrs38801@bellsouth.net>
Date: Mon, 28 Jan 2002 18:09:36 -0600
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-59697-2002.01.28-18.40.11--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Some time ago someone was asking about a dual band GPS/VHF antenna. Anyway,
I found it at Antenex. http://www.antenex.com/1998f.htm Look at page 6.
Just don't have a heart attack and blame me when you see the price!

Jack KE4LWT

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---

814. [aprssig] Re: Reliability of repeating AFSK through analog repeater

From: k5qq@juno.com
Date: Mon, 28 Jan 2002 17:50:17 -0700
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-59716-2002.01.28-19.22.21--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

On Mon, 28 Jan 2002 14:59:23 -0500 (EST) Stephan Greene
<sgreene@patriot.net> writes:

> > Now, a even better method is a regenerating repeater, which has a
> > Bell 202 demodulator on the receiever and then remodulates the tones
> > on the TX (in effect to back-to-back TNC's). This guarentees perfect
> > and consistent tones on the TX side (although it can't fix bit
> > errors).
>
> using repeaters on the terrestrial packet network is something that
> should have been done more often than it was; a repeater is much
> preferable to a digipeater for the reasons stated.

Steve.

What are you saying? A digipeater contains a TNC and a radio. The TNC
modem demodulates the tones, performs it's checks on the data, determines
if it needs
to be repeated and if it does, then it's modem generates the proper and
balanced tones for retransmission. It's functionally the same as a
regenerating repeater, as
described above. Incidentally the advantage of the TNC is that if it
hears
a mangled packet who's CRC fails, it will not repeat it and thus it does
fix
'bit errors' that the regenerating repeater cannot.

Either I missed something, or your point about a regenerating repeater
being
preferable to a digipeater is wrong.

Jim K5QQ

____
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http://dl.www.juno.com/get/web/.

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---

815. [aprssig] Re: Reliability of repeating AFSK through analog [duplex] repeater vs digi

From: WA8LMF2@aol.com
Date: Mon, 28 Jan 2002 20:06:21 EST
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-59721-2002.01.28-19.37.10--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

In a message dated 1/28/2002 4:57:47 PM Pacific Standard Time, k5qq@juno.com
writes:

> It's functionally the same as a
> regenerating repeater, as
> described above. Incidentally the advantage of the TNC is that if it
> hears
> a mangled packet who's CRC fails, it will not repeat it and thus it does
> fix
> 'bit errors' that the regenerating repeater cannot.

1) The digipeater is a single-frequency device that at maximum can only transmit half the time. A regular repeater (regenerating or otherwise) is a duplex device that could potentially have a 100% transmit duty cycle, thereby achieving almost twice the throughput.

2) If the TNC on the receive side of a regenerating repeater hears a mangled packet, it also would not appear at the serial port outport to be transmitted by the second TNC; at least if the PASSALL monitor mode isn't enabled.

```
Stephen H. Smith                   wa8lmf @ aol.com
Home Page:                         http://members.aol.com/wa8lmf
Ham Radio/Mobile SSTV page:        http://members.aol.com/wa8lmf/ham
APRS Stuff                         http://members.aol.com/wa8lmf/aprs
---------------------------------------------------------------------
|    Radio Communications Systems       Personal Computers
|                Consulting and Systems Integration
|    GPS Custom Mapping    &     Radio Coverage Surveys
|    File Conversions       MS-Windows Setups       VISCII Fonts
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---

816. [aprssig] Re: Reliability of repeating AFSK through analog repeater

From: "Robert Donnell" <bobdonnell@arkalmus.com>
Date: Mon, 28 Jan 2002 17:33:14 -0800
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-59730-2002.01.28-20.03.45--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

A regenerating repeater does not necessarily have a TNC involved - only a demodulator and a modulator (of the audio tones) at a minimum. An improvement would be to re-time the data transitions (and hence the tone transitions), to clean up any bias or offset in the receiving demodulator at the repeater.   A small/short FIFO buffer is frequently used to aid in the timing regeneration, to compensate for any errors in the exact baud rate of the sending station.

The result is that the transmitted signal is sent in real time or nearly real time with the received signal. CRC can't be "usefully" checked in this circumstance, since it arrives at the end of the packet, after virtually all of that packet has already been transmitter.

The biggest benefit of the repeater is that all of the user stations are able to "hear" when any of the user stations is transmitting, with the consequent huge reduction in collisions. Here in the Seattle area we've used repeaters for packet operations virtually since the first days of amateur packet operations, i.e. before 1985. The first machine dedicated for this service is still operating on 220 MHz, though its days as a 1200 bps packet machine are numbered. Most any day, it'll be moving to 9600 bps, along with all of the other packet repeaters operating in this area.

73, Bob

```
-----------------------------------------------------------------
Robert Donnell, KD7NM                            (425) 741-0999
14507 Madison Way                    mailto:kd7nm@pugetsound.net
Lynnwood, WA  98037
       Western Washington Amateur IP Address Coordinator
-----------------------------------------------------------------
```

---
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817. [aprssig] [Re: Reliability of repeating AFSK through analog [duplex] repeater vs digi]

From: "Dana H. Myers K6JQ" <k6jq@arrl.net>
Date: Mon, 28 Jan 2002 17:35:26 -0800
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-59731-2002.01.28-20.06.12--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

```
Neglected to CC the list.


-------- Original Message --------
Subject: Re: [aprssig] Re: Reliability of repeating AFSK through analog [duplex] repeater vs digi
Date: Mon, 28 Jan 2002 17:33:27 -0800
From: "Dana H. Myers K6JQ" <k6jq@arrl.net>
To: WA8LMF2@aol.com
References: <LYR27540-59721-2002.01.28-19.37.10--k6jq#arrl.net@lists.tapr.org>



WA8LMF2@aol.com wrote:

 >In a message dated 1/28/2002 4:57:47 PM Pacific Standard Time, k5qq@juno.com
 >writes:
 >
 >> It's functionally the same as a
 >> regenerating repeater, as
 >> described above.  Incidentally the advantage of the TNC is that if it
 >> hears
 >> a mangled packet who's CRC fails, it will not repeat it and thus it does
 >> fix
 >> 'bit errors' that the regenerating repeater cannot.
 >>
 >
 >1)  The digipeater is a single-frequency device that at maximum can only
 >transmit half the time.  A regular repeater (regenerating or otherwise) is a
 >duplex device that could potentially have a 100% transmit duty cycle, thereby
 >achieving almost twice the throughput.
 >

True, but keep in mind a duplex repeater uses two channels
instead of the just one of the digipeater.  On the surface,
this is a draw in terms of throughput vs. bandwidth,
but the improved efficiency of the repeater in avoiding
frames lost due to hidden-transmitter can tip balance in the
favor of duplex repeating.

 >2)  If the TNC on the receive side of a regenerating repeater hears a mangled
 >packet, it also would not appear at the serial port outport to be transmitted
 >by the second TNC; at least if the PASSALL monitor mode isn't enabled.
 >
I'm not sure what this means.  A true regenerating duplex
repeater does not assemble the entire frame before repeating
it.  As mentioned by another reader, delay in repeating the
input to output is problematic, since it re-introduces
the hidden-transmitter problem.

A downside of duplex repeater operation is that distant weak
nodes not participating in the 'local' network could stave
off stronger local nodes, but, in practice, this doesn't seem
to be an issue at all.

One thing to consider is that not all competing signals will
be packet; a strong non-packet signal that is not repeated will
allow packet stations to transmit anyway - with the result of
corrupted frames.  This can be addressed in a few ways, but also
doesn't seem to happen frequently.  Of course, operating packet
on a repeater pair is likely to discourage any non-packet users
from listening ;-)

Dana  K6JQ
k6jq@arrl.net




---
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```

818. [aprssig] Guidelines for Msgs to the Sig...

From: Carl Taylor <carltt@bellsouth.net>
Date: Mon, 28 Jan 2002 20:49:04 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-59733-2002.01.28-20.19.21--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

SHORT--AND SWEET

When I was young and unbridled, I worked for a public relations firm as a technical writer. My job: prepare articles for business publications on a wide variety of industrial topics.

.

One day, my boss sent back a manuscript to me, to which he had appended these three "rules for good writing," with the suggestion that I study them:

.

1> Can I say it with FEWER words.
2> Can I say it with SHORTER words.
3> Do I have to say it AT ALL?

.

Stung by his audacity in questioning my Shakespearean prose, I fired back, "No, I don't have to say it at all. But will you continue to pay me?"

Lucky for me, the man was not only wise - in retrospect - but he also had a sense of humor. We ended up good friends.

.

Why this long litany about something that is of no interest to anyone? Well, because it occurs to me that my boss' guiding philosophy could - and should - apply to all of us who use the network. Needless to say, I am firmly convinced that we must do all we can to minimize the aggravation we cause.
Toward this end, I have composed a set of rules - for ME(!) - that I will make every effort to live by.

.

1> I will compose the shortest message I can in response to another.
2> I will reread it, to make it even shorter.
3> I will make SURE the message contributes something; if not, I'll kill it.
4> I will check it for spelling and grammatical usage. And make it shorter.
5> I will try to hold messages to 10 lines, MAXIMUM.
6> I will route message as correctly as possible.
7> I will not GUESS; I will provide only correct technical information.
8> I will be only positive in my thinking, not hurtful or snide.
9> I will try to help the other person, not cut him down or show off.
10>I will not argue pointlessly to prove that I'm right; it does not matter.
11>I will not assume the other person is a dunce; I have not lived his life.
12>I will not use profanity and will write only when my anger has subsided.
13>I will at all times speak quietly, graciously, never in a mean spirit.

Carl Taylor   W9ZGU   Hollywood, FL.

---
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---

819. [aprssig] Re: Reliability of repeating AFSK through analog [duplex] repeater vs digi

From: k5qq@juno.com
Date: Mon, 28 Jan 2002 19:08:09 -0700
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: aprssig@lists.tapr.org
Message-ID: <LYR842-59736-2002.01.28-20.38.53--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

On Mon, 28 Jan 2002 20:06:21 EST WA8LMF2@aol.com writes:

>
> 1) The digipeater is a single-frequency device that at maximum can
> only

> transmit half the time. A regular repeater (regenerating or
> otherwise) is a
> duplex device that could potentially have a 100% transmit duty
> cycle, thereby
> achieving almost twice the throughput.

Yes, but only one repeater per coverage area. How do you connect such a system to expand the range of your data past one 'regular repeater'? i.e., a second repeater must be tuned to the output of the first and thus the source would have to continually change frequencies as you move around the area, much as you have to do with conventional voice repeaters.

My take on this is the regerating repeater is technically possible but impractical as a replacement for a digipeater in a network. It's an esoteric discussion at best.

Jim K5QQ
____
GET INTERNET ACCESS FROM JUNO!
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http://dl.www.juno.com/get/web/.

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---

820. [aprssig] RS HTX-252

From: Earl Needham <needhame@yucca.net>
Date: Mon, 28 Jan 2002 19:34:47 -0700
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-59743-2002.01.28-21.06.12--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

I'm browsing radioshack.com and I noticed the HTX-252 is no longer available unless you happen to find one in a store. I was kinda interested in one for the APRS setup here at home -- the old FT-727R is LONG past retirement age!

Anyway, does anybody know --

1. How the HTX-252 works on APRS?
2. Is something newer in the works?

Thanks,
Earl

****
Earl Needham, KD5XB mailto:needhame@yucca.net
Clovis, New Mexico
KD5XB-2>APU24L,WA5IHL-11,K5BEN-15,WA5IHL-7,W5SF-1,K5CQH-15,WB5EKP-1*,TRACE7-1:=3425.84N/10313.56W-[DM84]
Pet peeve #1: You look at a "SITE" with your "SIGHT".
Pet peeve #2: "Congratulations" does NOT have a "d" in it.
Old pet peeve: People who get themselves on a mailing list and then can't figure out how to get OFF the list, then repeatedly sending "unsubscribe" or "remove" as one-word messages to the list.

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---

821. [aprssig] RE: Reliability of repeating AFSK through analog repeater

From: Mark Fellhauer <sparkfel@qwest.net>
Date: Mon, 28 Jan 2002 22:07:11 -0600
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-59750-2002.01.28-22.37.42--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Arrrrrrgggghhhh!!!

You people are over-complicating the question at hand. The original question is re-quoted below...

```
At 07:35 AM 1/28/02, Alex wrote:

><quote>
>* repeat 1200-baud AFSK APRS packet data through the satellite's
>   analog repeater
></quote>
>
>How reliable is repeating AFSK with an analog repeater?


Note the question was about a specific satellite and AFSK repeating through
an analog repeater (that's part of that satellite).   The answer is yes it
works and yes it's reliable.   Especially if the satellite's repeater is
designed to deal with the parameters required by AFSK packet.

Simple question.  Simple answer.

73,

Mark
KC7BXS


---
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822. [aprssig] uWx Boards

From: "Jack Smith" <jrs38801@bellsouth.net>
Date: Mon, 28 Jan 2002 22:31:52 -0600
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-59752-2002.01.28-23.02.25--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

```
Is this group deal just for the boards or are any of the other parts
included in this?

Jack KE4LWT



---
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```

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823. [aprssig] RE: RS HTX-252

From: <gavingroce@yahoo.com>
Date: Mon, 28 Jan 2002 23:15:09 -0600
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-59756-2002.01.28-23.45.42--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

```
that is what i am using in my truck now ... be sure to turn it on low power
because I accidentally left in on high power and it was causing rf feedback
into the tinytrak and making tx stick... 50 watts is way to much for where I
am at now.. but it does the trick and does it well... I think that this
radio is going to be part of an APRs digi as soon as my TNC is setup...

see http://www.qsl.net/ke4tvv/aprs5.jpg

The nice thing is that the jack was easily wire with a section of cat5.

I got mine for 100~ a year or so ago and I just got a new Yaesu ft-1500m for
145 at a ham fest. Have not used it yet but it does have a data jack on it.

let me know if ya need some help... also ask on the classifieds section of
www.eham.net

-----Original Message-----
Subject: [aprssig] RS HTX-252



_________________________________________________________
```

Do You Yahoo!?

Get your free @yahoo.com address at http://mail.yahoo.com

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824. [aprssig] FW: uWx

From: "Jack Smith" <jrs38801@bellsouth.net>
Date: Mon, 28 Jan 2002 23:38:01 -0600
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-59775-2002.01.29-00.08.36--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Now I know what happens when I don't pay attention to where I'm sending my e-mails!

Jack KE4LWT

-----Original Message-----
From: James Ewen [mailto:jewen@shaw.ca]
Sent: Monday, January 28, 2002 11:33 PM
To: hamhud@yahoogroups.com
Subject: Re: [HamHUD] uWx

Jack Smith asks (on a completely different list, but I'm assuming he's watching here because the question is totally out in left field over there!):

Is this group deal just for the boards or are any of the other parts included in this?

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825. [aprssig] RE: RS HTX-252

From: WA8LMF2@aol.com
Date: Tue, 29 Jan 2002 01:14:07 EST
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-59779-2002.01.29-00.44.45--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

In a message dated 1/28/02 9:18:02 PM Pacific Standard Time, gavingroce@yahoo.com writes:

> I got mine for 100~ a year or so ago and I just got a new Yaesu ft-1500m for
> 145 at a ham fest. Have not used it yet but it does have a data jack on it.
>

AES is currently blowing these out for $139. I've bought several for APRS applications.

```
Stephen H. Smith                    wa8lmf @ aol.com
Home Page:
http://members.aol.com/wa8lmf
Ham Radio/Mobile SSTV page:     http://members.aol.com/wa8lmf/ham
APRS Stuff
http://members.aol.com/wa8lmf/aprs
------------------------------------------------------------------------------

----------
|    Radio Communications Systems       Personal Computers
|                Consulting and Systems Integration
|    GPS Custom Mapping    &     Radio Coverage Surveys
|    File Conversions       MS-Windows Setups       VISCII Fonts
------------------------------------------------------------------------------

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826. [aprssig] APRSce

From: "Darrell Sutton" <dsutton@visi.net>
Date: Tue, 29 Jan 2002 01:45:18 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-59785-2002.01.29-01.35.50--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Any updates on New APRS CE release.
Hoping use this weekend but expires jan 31...

thanks
Darrell

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827. [aprssig] Handspring Visor replacement?

From: Mark Fellhauer <sparkfel@qwest.net>
Date: Tue, 29 Jan 2002 01:54:29 -0600
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-59786-2002.01.29-02.25.05--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

With the demise of the Visor pretty much a certainty, I started looking for something similar as a replacement. Of course you'll lose the springboard slot...

Just recently I saw a news story on a "local" company (Des Moines, IA) making a unique Palm-OS PDA.

http://www.handera.com/

The HandEra 330 has both a CF and SD/MMC slots.   It is unique in that the display is rotatable.

It's worth a look.

Mark
KC7BXS

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828. [aprssig] RE: RS HTX-252

From: "Robert M. Butts" <kb5yqh@arrl.net>
Date: Tue, 29 Jan 2002 6:48:48
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-59824-2002.01.29-07.19.17--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

The 252 has an 8-pin round mic plug. Not RJ-45..

Great rig for APRS in my opinion.   Very low power consumption. Mine ran for weeks with the TNC on a 12V battery.

The PTT interface is a little tricky....sort of like an HT with the resistor off the TX audio. No big deal.

73.

Bob, KB5YQH@arrl.net

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---

829. [aprssig] Re: Unlicensed CB-type anarchy moving in on GMRS radio service

From: "Robert M. Butts" <kb5yqh@arrl.net>
Date: Tue, 29 Jan 2002 7:23:34
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-59825-2002.01.29-07.54.02--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

That's one of the problems when technology becomes cheap, available and marketed at the "consumer". I just recently got my GMRS license (because the radios are now cheap and available). So far I haven't noticed much of a problem with traffic here in the KC area.

Most of the "GMRS" radios out there are just a tiny bit above FRS radios. They are hand-held, SIMPLEX ONLY, units putting out 1-2 watts. The problems will come as some of these yocals discover that they can use commercial grade radios, running up to 50 watts, on the service. Or when they figure out that the antenna on there little unit comes off and you can add some gain.

Since this isn't on topic I'll leave it at that.

Here's a related subject that is on topic. Has anyone seen any APRS traffic on the MURS frequencies?

Bob, KB5YQH@arrl.net

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---

830. [aprssig] Re: Guidelines for Msgs to the Sig...

From: Bob Bruninga <bruninga@usna.edu>
Date: Tue, 29 Jan 2002 08:30:07 -0500 (EST)
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: TAPR APRS Special Interest Group <aprssig@lists.tapr.org>
Message-ID: <LYR842-59826-2002.01.29-08.00.37--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

On Mon, 28 Jan 2002, Carl Taylor wrote:

```
>                                  SHORT--AND SWEET
> 1> compose the shortest message I can in response to another.
> 2> reread it, to make it even shorter.
> 3> make SURE the message contributes something; if not,  I'll kill it.
> snip
```

Great words!
My pet pieve is run on paragraphs. Entire pages of Email with no paragraph breaks. If you stop for air, end the paragraph!

Paragraphs separate what you have to say into bite sized chunks. And make it easy to scan the entire email for content beforre having to read every word. Emails without paragraph breaks just get deleted, because I dont have time to read the whole thing to see what the point is...

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831. [aprssig] Re: Unlicensed CB-type anarchy moving in on GMRS radio service

From: "David Little" <dalite01@sprynet.com>
Date: Tue, 29 Jan 2002 09:24:57 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-59833-2002.01.29-08.56.07--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

> Here's a related subject that is on topic. Has anyone seen any APRS
> traffic on the MURS frequencies?

FWIW - Some portions of this response are off-topic; my apologies to the SIG

That topic has been discussed on the MURS mail lists, and has received a lot of flack from the GMRS and PRSG folks who claim that MURS should be a mobile and portable medium only; not for fixed station use. However there are no limitations in the FCC charter to suggest this was their original thought.

The MURS freqs are 151.820, 151.880, 151.940, 154.970 and 154.600

BTW, these frequencies were removed from the commercial list when MURS was created, so the topic of this thread is somewhat amusing. It is unfortunate when the knee jerks so violently that it bloodies the face of the reactor. I don't think that removing all traces of the Citizens Band Radio Service from past and future history would solve the problems that the Amateur Radio service/hobby has facing them currently, and until that is realized there will be little corrective action or forward motion.

It is rumored that the MURS was created by the FCC in retaliation to the number of GMRS users who were ignoring the license requirement and using the radios out of the box. These folks were predominately business/contractor based and far removed from the CB Community. The discussions so far in the MURS mail lists don't suggest a tremendous following evolving from CB circles.

Also worth mention here:The FCC is entertaining requests for reconsideration of the MURS charter from Motorola and others.....

It's future is still undetermined, but yet to be undermined; and is a distinctly separate service from GMRS.

****

Below is a portion of the MURS FAQ that addresses the topic. The link for the MURS FAQ is included after the quote below

"Yes, so long as the emissions are authorized in 90.207 of the FCC Rules. In addition, the authorized bandwidth is 11.25 KHz on frequencies 151.820 MHz, 151.800 MHz and 151.940 MHz. The authorized bandwidth is 12.5 KHz on frequencies 154.570 MHz and 154.600 MHz. [95.631(i)(b)] "

"Hooking up a packet radio controller (TNC) to a MURS radio appears to be permitted so long as the emissions meet the requirements of 90.207 of the FCC Rules, and the emission bandwidth complies with the limits of 90.209 and 95.631(i)(b) of the FCC Rules"

www.provide.net/~prsg/murs_faq.htm

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832. [aprssig] APRS HF

From: Bob Bruninga <bruninga@usna.edu>
Date: Tue, 29 Jan 2002 09:44:37 -0500 (EST)
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: TAPR APRS Special Interest Group <aprssig@tapr.org>
Message-ID: <LYR842-59839-2002.01.29-09.15.36--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Well, good weather and so I hung my 10.151 HF APRS antenna back up and for the first time in years, listened.... People are there. ANd, conincidentally out of the Blue, I got this from Jeff this morning:

> Good morning Bob. I'm involved in a discussion on the Ui-View group about HF
> packet. It is about the HF frequency used for APRS. We are moving towards
> 14.103. I'm sure you've been there done that etc, with the people on 14.105
> etc. I'm sitting on a fence here, I like to work both frequencies. 10.151
> and 14.105. [should we move from 30m to 20m in the US?]

No, maybe, Yes, whatever.......

1) 30m is absolutely 100% APRS and no QRM and an ideal band. The ONLY problem is that there is some "rule" in europe that it cannot be used for packet. THat rule is obsolete, and its intent to protect the band from packet saturation DOES NOT apply to APRS operations which is a ONE-FREQUENCY mode of operation. Its time to CHANGE the rule!

2) We need a frequency on 20m also. For DX and live operations... Go for

it!

de WB4APR@amsat.org, Bob

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833. [aprssig] APRS use of EchoStation

From: <gavingroce@yahoo.com>
Date: Tue, 29 Jan 2002 09:03:26 -0600
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-59840-2002.01.29-09.34.00--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

http://www.synergenics.com/sc/default.htm

Intresting, it is a software repeater for voice... is there something out
there like this for aprs?
Would be a neat hack to have something like this for a jump an run digi.

____

Do You Yahoo!?

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834. [aprssig] RE: Reliability of repeating AFSK through analog repeater

From: "Mike Yetsko" <myetsko@insydesw.com>
Date: Tue, 29 Jan 2002 10:18:27 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-59845-2002.01.29-09.48.58--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

But YOU were the one who posted the question in an abbreviated form
with YOUR first answer.

>----- Original Message -----
>From: "Mark Fellhauer" <sparkfel@qwest.net>
>
>> At 07:35 AM 1/28/02, Alex wrote:
>>
>> >How reliable is repeating AFSK with an analog repeater?
>>
>> Very reliable. It's been done for years.
>>
>> 73,
>>
>> Mark

Sometimes people miss the first post, and 'catch on' when they see a
response.

Hey, you brought it on...

Mike

----- Original Message -----
From: "Mark Fellhauer" <sparkfel@qwest.net>
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Sent: Monday, January 28, 2002 11:07 PM
Subject: [aprssig] RE: Reliability of repeating AFSK through analog

repeater

>
> Arrrrrrgggghhhh!!!
>
> You people are over-complicating the question at hand. The original
> question is re-quoted below...
>
>
> At 07:35 AM 1/28/02, Alex wrote:
>
> ><quote>
> >* repeat 1200-baud AFSK APRS packet data through the satellite's
> >   analog repeater
> ></quote>
> >
> >How reliable is repeating AFSK with an analog repeater?
>
>
> Note the question was about a specific satellite and AFSK repeating
through
> an analog repeater (that's part of that satellite).   The answer is yes
it
> works and yes it's reliable.   Especially if the satellite's repeater is
> designed to deal with the parameters required by AFSK packet.
>
> Simple question. Simple answer.
>
> 73,
>
> Mark
> KC7BXS
>
>
> ---
> You are currently subscribed to aprssig as: myetsko@insydesw.com
> To unsubscribe send a blank email to leave-aprssig-842K@lists.tapr.org
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>
>

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---

835. [aprssig] Programmable sub $100 tracker radio

From: John Kraus <jfkraus2@home.com>
Date: Tue, 29 Jan 2002 10:31:45 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-59846-2002.01.29-10.01.22--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Just a brief note to let those interested know that the Icom IC T2H sport
HT is on sale at AES for $89.99 with an instant coupon. However, you might
want to call soon as I do not know how long the sale will last. I bought 2
to use for basic voice and ARES use. However I got to thinking this might
also be a good radio for a APRS tracker.

It comes with an empty battery pack that can hold AA Nicads alkalines or
Nimhs. The radio uses a BNC connector. It offers 1 or 6 watts on 9.6 volts
and has 43 memory channels. At the top of the back where the battery pack
attaches are two screws with spring contacts to make the connection. It
should be simple to use a diode chain or make an LM317 regulator to drop
the voltage to the 9.6 that the radio requires and cover it all with the
battery shell.   It is very easy to program and also has all 10 Weather
Frequencies available with one button push if you reprogram a multi
function key. Yes I know 13~ volts would be easier; but ya can'a have
everthin mon. For all I know it may work fine but I won't risk it when the
fix is simple.

All in all I am very impressed with the radio so far.

P.S.
I am looking for the cable construction details for the radio to radio
cloning cable for the Icom IC-T2H. The list is $20 with shipping and I
feel sure that unless it contains some funky electronic gismo that I should

be able to duplicate it for substantially less. The manual describes it as connecting the speaker jacks together. These jacks are stereo so I wonder if there is some form of crossover or is it straight through? Is there any resistance pad inline or diode OR-ing? I hope to use these for emergency comms and the ability to program one and clone the other would be very helpful. If there is any aftermarket computer program that can store and upload frequencies I would also be interested.

---
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836. [aprssig] WinAPRS 2.5.1 - anyone else ever seen this ???

From: Maiko Langelaar <maiko@slmsoft.com>
Date: Tue, 29 Jan 2002 09:35:22 -0600
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-59847-2002.01.29-10.12.20--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Hi,

Just noticed some traffic from a WinAPRS 2.5.1 station that seems to have the source path header corrupted on every packet that I receive from the station. Examples below :

```
   VE5RHF>APZ186,RELAY,WIDE,WIDE [01/29/02  09:30:47]:!5207.63N/10638.35W#PHG44 [snip]

   VE5SO>APW251,VE5RHF*,WIDE [01/29/02  09:29:21]:=5208.76N/10641.33WcPHG5391/WinAPRS 2.5.1 [snip]
```

Is this a bug that has been fixed in a later version ?

or is it a TNC setting gone astray ?

73 Maiko / VE4KLM

---
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837. [aprssig] Re: Programmable sub $100 tracker radio

From: Jean-Marie Houle <houle.jean-marie@enter-net.com>
Date: Tue, 29 Jan 2002 10:56:28 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-59848-2002.01.29-10.26.59--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

>   If there is any aftermarket computer program that can store and
\>upload frequencies I would also be interested.
>

Have a look at http://www.rtsars.com

--
73 de VE2AEY
Jean-Marie
ve2aey@rac.ca

---
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838. [aprssig] Re: Reliability of repeating AFSK through analog repeater

From: Stephan Greene <sgreene@patriot.net>
Date: Tue, 29 Jan 2002 11:25:28 -0500 (EST)
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: TAPR APRS Special Interest Group <aprssig@lists.tapr.org>
Message-ID: <LYR842-59849-2002.01.29-10.56.07--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

On Mon, 28 Jan 2002 k5qq@juno.com wrote:

> On Mon, 28 Jan 2002 14:59:23 -0500 (EST) Stephan Greene
> <sgreene@patriot.net> writes:
> > > Now, a even better method is a regenerating repeater, which has a
> > > Bell 202 demodulator on the receiever and then remodulates the tones

```
> > > on the  TX (in effect to back-to-back TNC's). This guarentees perfect
> > > and consistent tones on the TX side (although it can't fix bit
> > > errors).
> >
> > using repeaters on the terrestrial packet network is something that
> > should have been done more often than it was; a repeater is much
> > preferable to a digipeater for the reasons stated.

> What are you saying?  A digipeater contains a TNC and a radio.  The
> TNC modem demodulates the tones, performs it's checks on the data,
> determines if it needs to be repeated and if it does, then it's modem
> generates the proper and balanced tones for retransmission.  It's
> functionally the same as a regenerating repeater, as described above.
> Incidentally the advantage of the TNC is that if it hears a mangled
> packet who's CRC fails, it will not repeat it and thus it does fix
> 'bit errors' that the regenerating repeater cannot.

Yes.  Maybe I'm using the wrong terminology.  I wanted to distinguish
between a "bent-pipe" repeater, such as a typical terrestrial voice
repeater, AO-27, or UO-14, and a system that "regenerated" the signal
before transmitting it.

> Either I missed something, or your point about a regenerating repeater
> being preferable to a digipeater is wrong.

I was trying to point out that running 1200 baud AFSK through a voice
satellite repeater, e.g. AO-27 or UO-14, could and does work, a system
that decodes the packets and retransmits them on the downlink/ouput will
be far better for the reasons you and I stated.

The other point about packet repeaters eliminating the "hidden
transmitter effect" is very important for systems requiring connected
traffic (terrestrial packet) or high throughput (satellite).  APRS gets
around this by trying to keep packets short, minimize the channel
required for individual stations, and not requiring connections to pass
useful data.

I hope this clarifies what I posted, I think we're in at least general
agreement.

73 Steve KA1LM

-----------------------------------------------------------------------
Stephan A. Greene     sgreene@patriot.net        ka1lm@amsat.org
-----------------------------------------------------------------------


---
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```

---

839. [aprssig] RE: Reliability of repeating AFSK through analog repeater

From: Stephan Greene <sgreene@patriot.net>
Date: Tue, 29 Jan 2002 11:35:48 -0500 (EST)
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: TAPR APRS Special Interest Group <aprssig@lists.tapr.org>
Message-ID: <LYR842-59851-2002.01.29-11.06.30--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

```
On Mon, 28 Jan 2002, Mark Fellhauer wrote:

> You people are over-complicating the question at hand.  The original
> question is re-quoted below...
>
> At 07:35 AM 1/28/02, Alex wrote:
>
> ><quote>
> >* repeat 1200-baud AFSK APRS packet data through the satellite's
> >   analog repeater
> ></quote>
> >
> >How reliable is repeating AFSK with an analog repeater?
>
>
> Note the question was about a specific satellite and AFSK repeating through
> an analog repeater (that's part of that satellite).   The answer is yes it
> works and yes it's reliable.   Especially if the satellite's repeater is
> designed to deal with the parameters required by AFSK packet.
```

Mark - I agree that it works. I disagree that it is reliable on either
UO-14 or especially AO-27 because there is no clean up of the signal
received by the satellite. At least this is what I think based on limited
testing we (AO27 command stations) did on AO-27 in 1993-94. Since I have
not tried sending 1200 baud AFSK through either UO14 or AO27 since then,
I'll defer my opinion to those with more recent experience.

I note in contrast, however, that digipeating UI frames through ISS or
PCSAT appears to be far easier with simpler equipment. That's two data
points for doing something with the bits before relaying them.

I also agree that sending anything other than UI frames through a
satellite link (bent pipe or regenerating) is unworkable, unless there is
a robust channel control protocol implemented on the satellite and ALL
uplink stations comply.

73, Steve KA1LM

Stephan A. Greene   sgreene@patriot.net   ka1lm@amsat.org

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840. [aprssig] RE: WinAPRS 2.5.1 - anyone else ever seen this ???

From: Bill Diaz <billdiaz@megsinet.net>
Date: Tue, 29 Jan 2002 11:26:53 -0600
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-59861-2002.01.29-11.58.08--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Maiko,
  This is a timestamp (TNC2 command MStamp ON/OFF) provided by the TNC.
Whoever gateed this packet must have MStamp on.

Some APRS client applications remove this and similar unneeded information
(<UI> etc) before passing the packet on to the IS. AHub and possibly other
Servers and hubs remove this from the header before relay.

Bill KC9XG

On Tuesday, January 29, 2002 09:35, Maiko Langelaar
[SMTP:maiko@slmsoft.com] wrote:
> Hi,
>
> Just noticed some traffic from a WinAPRS 2.5.1 station that seems to have
> the source path header corrupted on every packet that I receive from the
> station. Examples below :
>
>   VE5RHF>APZ186,RELAY,WIDE,WIDE [01/29/02
 09:30:47]:!5207.63N/10638.35W#PHG44 [snip]
>
>   VE5SO>APW251,VE5RHF*,WIDE [01/29/02
 09:29:21]:=5208.76N/10641.33WcPHG5391/WinAPRS 2.5.1 [snip]
>
> Is this a bug that has been fixed in a later version ?
>
> or is it a TNC setting gone astray ?
>
> 73 Maiko / VE4KLM
>
> ---
> You are currently subscribed to aprssig as: BILLDIAZ@MEGSINET.NET
> To unsubscribe send a blank email to leave-aprssig-842K@lists.tapr.org
> Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org
>

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841. [aprssig] Re: Reliability of repeating AFSK through analog repeater

From: "jeff king" <jking@aerodata.net>
Date: Tue, 29 Jan 2002 15:32:50 -0600
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-59876-2002.01.29-16.03.49--lyris.aprssig#tapr.org@lists.tapr.org>
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It was written:

> The other point about packet repeaters eliminating the "hidden
> transmitter effect" is very important for systems requiring connected
> traffic (terrestrial packet) or high throughput (satellite). APRS
gets
> around this by trying to keep packets short, minimize the channel
> required for individual stations, and not requiring connections to
pass
> useful data.

I could argue this, however this is simply incorrect, APRS does not get a pass on the laws of packet physics. If anything, APRS makes a bad sitution worse. The only way APRS "gets around" basic packet radio theory is by brute force.... i.e. duplicating packets ad infinutum in the hopes a few will get through.

Connected, unconnected, or otherwise, a CSMA system (which APRS makes a attempt at being) needs to have working CSMA. With extremely extended simplex LAN's beyond line of site, it is impossible to get a CSMA response hence channel throughput suffers. This applies to short, long, connected or unconnected packets.

As a SYSTEM, APRS is very inefficent in its use of channel bandwidth. No insult to anyone or naysaying, this is just a fact and we shouldn't try to convince ourselves otherwise.

-Jeff

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842. [aprssig] ?: How to make a DC cable to power the D-7

From: "Sergio Matias" <ct2hmn@clix.pt>
Date: Tue, 29 Jan 2002 13:51:01 -0000
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-59896-2002.01.29-18.35.38--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

What do I need to make a DC cable to power my D-7 from my car?
I suspect the supply must be filtered and estabilized.

Sergio Matias - CT2HMN
mailto:ct2hmn@clix.pt

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843. [aprssig] Kenwood D700 beeps in .WAV audio format for use with APRS programs.

From: WA8LMF2@aol.com
Date: Tue, 29 Jan 2002 20:58:33 EST
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-59917-2002.01.29-20.29.17--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

I have been using .WAV audio sound effects in various APRS programs including UI-View and APRSplus. I have found that the Windows multi-media drivers sometimes lock up and hang the PC, if many sound-producing events happen in rapid succession; i.e. one sound isn't finished before the next one is started. The problem becomes especially severe when the system is trying to redraw maps at the same time on slower PCs.

To reduce this problem, I have carefully selected a set of varied and distinctive sound effects that are less than a half-second each and have downsampled them to the lowest resolution and bit rate that will still provide decent quality. The hanging problem on my Dell Inspiron 3000 laptop (233MHz MMX) was completely eliminated by using these smaller, shorter files. I have placed two ZIP files on my web site.

One, KenBeeps.zip, contains 5 versions of the two-tone "beep-boop" sound that the Kenwood D700 makes when it hears your own call being digipeated. You can use these to make UI-View or APRSplus sound like a Kenwood 700 in it's internal APRS mode.
I "tape-recorded" this sound by connecting the speaker jack of my D700 to the line-input of a PC (i.e. normal soundcard interface hookup). I then captured the signal into a .WAV file with the CoolEdit Pro audio editor. Since the beep-boop can be annoying at full volume, I created 3 different versions of the sound at low, medium and high volume levels.

The other contains an assortment of 20 other short sound effects in the file MiscWAVs.zip. Experiment with these. Depending on the audio response of your speakers (especially the tiny built-in ones on laptops), the impact and audibility of these various pops, clicks, beeps, and bongs will vary widely.

The page within my website with the audio downloads is:
   http://members.aol.com/wa8lmf/aprs/wavaudio.htm

Links also exist to/from my main APRS page at:
   http://members.aol.com/wa8lmf/aprs

```
Stephen H. Smith                   wa8lmf @ aol.com
Home Page:                         http://members.aol.com/wa8lmf
Ham Radio/Mobile SSTV page:        http://members.aol.com/wa8lmf/ham
APRS Stuff                         http://members.aol.com/wa8lmf/aprs
-------------------------------------------------------------------
|    Radio Communications Systems       Personal Computers
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|    File Conversions       MS-Windows Setups       VISCII Fonts
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---

844. [aprssig] Re: Unlicensed CB-type anarchy moving in on GMRS radio service

From: "Robert M. Butts" <kb5yqh@arrl.net>
Date: Tue, 29 Jan 2002 20:15:17
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-59918-2002.01.29-20.45.45--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

That is humorous that they took bandwidth from the COMMERCIAL users (for a change) for MURS. Clearly, the "commercial-type" users are the biggest violators (like TV production companies who think nothing of using the 2M ham band for their internal coms). I've seen this often with security companies and (unfortunately though rarely) the military.

The fact is that amateurs usually follow the rules. That's why we submit ourselves to (fairly challenging) tests and ID every 10 minutes like clockwork.

As I see it the biggest limitation to MURS as a digital mode is the 2 Watt power limitation. But... for running a group of unlicenced trackers at some event...I can see possibilities.

Anyway, it's out there. An unlicensed digital band. Wonder if it will last?

Bob, kb5yqh@arrl.net

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---

845. [aprssig] Arkansas Airport Weather - Bad Icons

From: "AE5PL Lists" <HamLists@ametx.com>
Date: Tue, 29 Jan 2002 21:07:03 -0600
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-59948-2002.01.29-21.37.37--lyris.aprssig#tapr.org@lists.tapr.org>

Rendered body type: text/plain

The following is a position report put out by someone translating
airport weather reports:

```
KTXK>APRS,TCPIP,KK5WM,KK5WM-6,I:@291753z3327.37N/09359.25W200/011g000t07
2r000p000h78b10165wMETR
```

This means the icon is /2 (a 2 in a box). I would guess the intent was
to show wind out of 200 degrees, but the icon identifier is missing.
Whoever is doing these translations might want to relook at the position
packet. This mistake is on all translated position reports.

73,

Pete Loveall AE5PL
http://www.ae5pl.net
mailto:pete@ae5pl.net

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---

846. [aprssig] Re: Arkansas Airport Weather - Bad Icons

From: "James Wiles" <kk5wm@ncaars.org>
Date: Tue, 29 Jan 2002 21:36:14
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-59955-2002.01.29-22.06.45--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

I took care of this after the first batch went out (I saw the incorrect
icons also). I just inadvertently left out that one identifier when
modifying my original code. Everything should be clean now. Thanks for
the report, tho...I know someone was watching!

Thanks and 73...

James Wiles KK5WM
EC - White County, AR
kk5wm@ncaars.org
>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>
The following is a position report put out by someone translating
airport weather reports:

```
KTXK>APRS,TCPIP,KK5WM,KK5WM-6,I:@291753z3327.37N/09359.25W200/011g000t07
2r000p000h78b10165wMETR
```

This means the icon is /2 (a 2 in a box). I would guess the intent was
to show wind out of 200 degrees, but the icon identifier is missing.
Whoever is doing these translations might want to relook at the position
packet. This mistake is on all translated position reports.
<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<

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---

847. [aprssig] help with tm-733

From: "Wes Johnston" <wes@johnston.net>
Date: Tue, 29 Jan 2002 22:40:49 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-59956-2002.01.29-22.13.09--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

can anyone tell me how to erase memories in the 733 or just block them from
scanning? I use one half of this rig for aprs, the other half as a scanner.

Wes

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---

848. [aprssig] Re: ?: How to make a DC cable to power the D-7

From: "Arnold 'Arnie' Johnson" <arniej@gis.net>
Date: Wed, 30 Jan 2002 06:26:47 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-59983-2002.01.30-06.28.28--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Good day -

I just went to my local Radio Shack store and bought one of their cigarette lighter plug with appropriate power plug adapter and it works fine. So, you should be able to build your own, and I don't think it needs any special filtering, but you can add filtering if necessary in your vehicle.

Arnie, N1BAC

At 01:51 PM 01/29/2002 -0000, Sergio Matias wrote:
>What do I need to make a DC cable to power my D-7 from my car?
>I suspect the supply must be filtered and estabilized.
>
>---
>Sergio Matias - CT2HMN
>mailto:ct2hmn@clix.pt
>
>
>---
>You are currently subscribed to aprssig as: arniej@gis.net
>To unsubscribe send a blank email to leave-aprssig-842K@lists.tapr.org
>Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org
>

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849. [aprssig] Some handy UI-VIEW Commands

From: "Andrew Rich" <andrew.rich@bigpond.com>
Date: Wed, 30 Jan 2002 22:16:51 +1000
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-59992-2002.01.30-06.47.57--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

?APRSP - sends a location beacon.
?APRSS - sends the status text.
?APRSO - sends your active objects.
?APRSD - sends a list of stations that have been heard direct.
?APRST (or ?PING?) - sends the route by which the query was received.
?APRSH <callsign> - sends information on when <callsign> was last heard.
?VER? (not an APRS query, but some APRS software supports it) - sends information on the software version in use.
QAS - causes your system to Query All Stations.
QWS - causes your system to Query WX Stations.
BCN - causes your system to send a beacon.
LGS (or LG1) - enables logging, using a log file named according to the date. (This command must come from the station callsign.)
LGX (or LG0) - disables logging. (This command must come from the station callsign.)
DX - causes your system to send an abbreviated best DX report.
!program - runs a program in the RCOMMAND directory

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Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

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850. [aprssig] PSK-31 Email

From: Bob Bruninga <bruninga@usna.edu>
Date: Wed, 30 Jan 2002 08:38:21 -0500 (EST)
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: TAPR APRS Special Interest Group <aprssig@tapr.org>
Message-ID: <LYR842-60016-2002.01.30-08.09.01--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Has anyone written an Email Engine to work with PSK-31?
I assume one can use UI-view to send APRS packets over PSK-31 and then those could be IGated to APRServe, adn then the WU2Z Email engine would pick it up, but I need a PSK-31-to-EMail engine standalone...?

Bob

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Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

851. [aprssig] Re: News- Ham Radio APRS use is possible

From: Bob Bruninga <bruninga@usna.edu>
Date: Wed, 30 Jan 2002 10:29:30 -0500 (EST)
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: TAPR APRS Special Interest Group <aprssig@tapr.org>
Message-ID: <LYR842-60026-2002.01.30-10.00.07--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

```
The greatest thing for mobile Operations I have found is a small square
piece of no-skid carpet underlayment stuff.  Just lay it on the dash, and
lay anything on it and it stays put.  Even a full sized mobile rig.

Yes, this is dangerous, stupid and should not be done... but it works.
Bob

On Wed, 30 Jan 2002, Larry Keeran wrote:

> * Favorite non-technical cell phone accessory: The Sticky Pad,
>    made by American Covers.
>
> While this product debuted at the 2001 Consumer Electronics
> Show (CES), the company was more prominent this year. The
> Sticky Pad is a piece of flexible plastic that sticks to your
> car's dashboard. Anything you place on it (but especially your
> cell phone) will stick to it without slipping or sliding. Best
> of all, when you pick up the phone, it doesn't feel like it was
> glued to the dashboard. This is the perfect place to put your
> phone while you have it in the car (if you don't have a hands-
> free kit installed). Better yet, you can keep your sunglasses
> on the sticky pad too. For more information, go to:
> http://www.americancovers.com/Retail/stickypad.html
>
> They say it is available at Best Buy and Radio Shack.  I'll see.
>
> --
> Larry M. Keeran K9ORP  EC -  NWS ILX APRS Coord  - k9orp@tapr.org
> Pres. Chap.59 QCWA-Life ARRL-TAPR-MacAPRS-WinAPRS-APRS+SA-PalmAPRS
>

de WB4APR@amsat.org, Bob

PCsat WEB  page     http://www.ew.usna.edu/~bruninga/pcsat.html
ISS-APRS FAQ:       http://www.ew.usna.edu/~bruninga/iss-faq.html
CUBESAT Designs     http://www.ew.usna.edu/~bruninga/cubesat.html
APRS LIVE pages     http://www.ew.usna.edu/~bruninga/aprs.html
APRS SATELLITES     http://www.ew.usna.edu/~bruninga/astars.html
MIM/Mic-E/Mic-Lite  http://www.toad.net/~wclement/bruninga/mic-lite.html
```

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Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

852. [aprssig] Electrocom MDT

From: Robbie Robertson <mwrobertson@attbi.com>
Date: Wed, 30 Jan 2002 09:34:10 -0600
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-60028-2002.01.30-10.04.44--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Hi,

Anyone here have any experience adapting the Electrocom displays
for APRS mobile use?

Thanks

--

- Robbie Robertson -
...-.- wa9inf ...-.-

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To unsubscribe send a blank email to leave-aprssig-842K@lists.tapr.org
Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

853. [aprssig] Re: News- Ham Radio APRS use is possible

From: "Mike Yetsko" <myetsko@insydesw.com>
Date: Wed, 30 Jan 2002 10:43:26 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-60032-2002.01.30-10.14.06--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

You can go to Wal-Mart and in the kitchen stuff for plates and pots and
such find a ROLL of material that is designed for shelf lining where
plates
stand on edge for display. It's like a piece of really thin rubbery foam.

For about $4 or so, you can have enough to make 20 or more of the same
things you find at the electronics stores. And I think it works a little
better.

I've been using it with my GPS units for a couple of years now.

Mike

----- Original Message -----
From: "Bob Bruninga" <bruninga@usna.edu>

> The greatest thing for mobile Operations I have found is a small square
> piece of no-skid carpet underlayment stuff. Just lay it on the dash,
and
> lay anything on it and it stays put. Even a full sized mobile rig.
>
> Yes, this is dangerous, stupid and should not be done... but it works.
> Bob
>
> On Wed, 30 Jan 2002, Larry Keeran wrote:
>
> > * Favorite non-technical cell phone accessory: The Sticky Pad,
> >   made by American Covers.
> >
> > While this product debuted at the 2001 Consumer Electronics
> > Show (CES), the company was more prominent this year. The
> > Sticky Pad is a piece of flexible plastic that sticks to your
> > car's dashboard. Anything you place on it (but especially your
> > cell phone) will stick to it without slipping or sliding. Best
> > of all, when you pick up the phone, it doesn't feel like it was
> > glued to the dashboard. This is the perfect place to put your
> > phone while you have it in the car (if you don't have a hands-
> > free kit installed). Better yet, you can keep your sunglasses
> > on the sticky pad too. For more information, go to:
> > http://www.americancovers.com/Retail/stickypad.html
> >
> > They say it is available at Best Buy and Radio Shack. I'll see.
> >

> de WB4APR@amsat.org, Bob

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Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

854. [aprssig] Re: News- Ham Radio APRS use is possible

From: Larry Keeran <lmkeeran@gte.net>
Date: Wed, 30 Jan 2002 10:48:11 -0600
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-60038-2002.01.30-11.18.51--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Goes without saying that the dash airbag could launch anything relatively loose so I would put it as far
 toward the windshield as possible. I like the non-marring approaches best. In my case, even my
non-marring bracket left a discolored dash apparently because of sun fading in contrast to the shaded
bracket area.

```
At 10:45 AM 1/30/2002 -0500, Mike wrote:
snip
>really thin rubbery foam.
> For about $4 or so,
snip
>Mike
>
>----- Original Message -----
>From: "Bob Bruninga" <bruninga@usna.edu>
> no-skid carpet underlayment stuff.
snip
>> Yes, this is dangerous, stupid and should not be done... but it works.
>> Bob
>>
>> On Wed, 30 Jan 2002, Larry Keeran wrote:
snip
>> > Sticky Pad is a piece of flexible plastic that sticks to your
>> > car's dashboard.


Larry M. Keeran K9ORP  EC -  NWS ILX APRS Coord  - k9orp@tapr.org
Life ARRL           TAPR-dosAPRS-MacAPRS-WinAPRS-APRS+SA-PalmAPRS

---
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To unsubscribe send a blank email to leave-aprssig-842K@lists.tapr.org
Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org
```

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855. [aprssig] FCC Database File; How Does It Work?

From: Matthew Stennett <WA4TKG@mediaone.net>
Date: Wed, 30 Jan 2002 11:49:23 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-60039-2002.01.30-11.20.03--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

```
I managed to download the 51MB zip file of the FCC Database.
I put it into the DATA file, but I can't make any information come
up if I click on the BOOK button, on a stations' window.

What am I doing wrong?

There are several files in the database folder.
Do they need to be in the Database folder individually ?



---
You are currently subscribed to aprssig as: lyris.aprssig@tapr.org
To unsubscribe send a blank email to leave-aprssig-842K@lists.tapr.org
Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org
```

---

856. [aprssig] Re: FCC Database File; How Does It Work?

From: KC7ZRU - Tate <kc7zru@arrl.net>
Date: Wed, 30 Jan 2002 10:01:12 -0700
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-60043-2002.01.30-11.31.57--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

```
What APRS softwaer (version # too) are you using?

Did you un-zip the file?

73

Matthew Stennett wrote:
>
> I managed to download the 51MB zip file of the FCC Database.
> I put it into the DATA file, but I can't make any information come
> up if I click on the BOOK button, on a stations' window.
>
> What am I doing wrong?
>
> There are several files in the database folder.
> Do they need to be in the Database folder individually ?
>

---
You are currently subscribed to aprssig as: lyris.aprssig@tapr.org
To unsubscribe send a blank email to leave-aprssig-842K@lists.tapr.org
Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org
```

857. Your confirmation is needed (ok 842)

From: Lyris <unsubscribe-confirm@lists.tapr.org>
Date: Wed, 30 Jan 2002 14:52:54 -0600
To: lyris.aprssig@tapr.org
Message-ID: <LYR842-60067-2002.01.30-14.52.54--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Your email address 'lyris.aprssig@tapr.org' has been submitted to be
unsubscribed from the 'aprssig' mailing list.

This unsubscribe command requires your confirmation that you want to be
unsubscribed.

To confirm that you do want to unsubscribe, reply to this message so that
the words "ok 842" appear somewhere on the subject line.

Make sure that your reply message is addressed to
unsubscribe-confirm@lists.tapr.org

You will receive notification that your confirmation has been received, and
that you have been unsubscribed.

If you do not want to unsubscribe, do nothing. You will be kept on the
mailing list.

Return-Path: <longdun_china1@163.com>
Received: from 5 ([61.144.184.167]) by lists.tapr.org with SMTP (Lyris Server version 3.0); Wed, 30 Jan 2002 14:52:30 -0600
From: longdun <longdun_china1@163.com>
Reply-To: longdun_china1@163.com
Subject:
Date: Thu, 31 Jan 2002 04:28:13 +0800
X-Mailer: 007 Direct Email Easy
MIME-Version: 1.0
Content-Type: multipart/mixed; boundary="d6aca0aa-3718-48c8-bee7-ce065c549ee4"
to: aprssig-request

# Mail sent to leave-aprssig-842k was converted to these commands:
unsubscribe aprssig lyris.aprssig@tapr.org confirm
end

# This is the text of the message that triggered the action:

Return-Path: <longdun_china1@163.com>
Received: from 5 ([61.144.184.167]) by lists.tapr.org with SMTP (Lyris Server version 3.0); Wed, 30 Jan 2002 14:52:30 -0600
From: longdun <longdun_china1@163.com>
Reply-To: longdun_china1@163.com
Subject: Only US$9.90 you can get full set car alarm
Date: Thu, 31 Jan 2002 04:28:13 +0800
X-Mailer: 007 Direct Email Easy
MIME-Version: 1.0
Content-Type: multipart/mixed; boundary="d6aca0aa-3718-48c8-bee7-ce065c549ee4"

This is a multi-part message in MIME format

--d6aca0aa-3718-48c8-bee7-ce065c549ee4
Content-Type: text/plain; charset=iso-8859-2
Content-Transfer-Encoding: quoted-printable

Only US$9.90 you can get full set car alarm
Welcome OEM inquire

--d6aca0aa-3718-48c8-bee7-ce065c549ee4
Content-Type: application/octet-stream; charset=iso-8859-1; file=9.9e.jpg
Content-Transfer-Encoding: base64
Content-Disposition: attachment; filename=9.9e.jpg

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AC0AAAAGAAAAAAABOEJJTQP4AAAAAABwAAD/////////////////////////////A+gAAAAA////
/////////////////////////wPoAAAAAP////////////////////////////8D6AAAAAD/////
////////////////////////A+gAADhCSU0ECAAAAAAAEAAAAAEAAAJAAAACQAAAAAA4QklNBB4A

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8WNzNRaisoMmRJNUZEXCo3Q2F9JV4mXys4TD03Xj80YnlKSFtJXE1OT0pbXF1eX1VmZ2hpamtsbW
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+2S/nZ7Gbdjve6tn87/hEO7q3pkFtW6zQWuJdyQD79ldja2t3/ver/o6foeok0XRWHmWvZnZV15
yDfjlrum4tL7GV3NFbX7S2qabrLsr1qLfX3+hV6Psq/nbjt609+5jaQH7Q9hBc4ETc1x2itrv+0t
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mdNdRb/kvOs23vDnCpwezfR+lsxHV+r+r+gr/pL/8AC03+LXq2Tk4+X0+1zrKsQsfhk/cr1bfUpZ
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4Nq3VV77P1yv9Pi/6apE6lkuxMKzAwnD/ew/wW/Aa1NlNYBd1qLYe+ZYDs0JtDB
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bDUBW66r9XD2Pay17ff+k/Rfzf8Aw9RcXqebbbdii8G+w024N3fm2N/0f81ZX/1z
RfhYdlnq2UVvs3cxpdurn0X/o07cTFbkOym01jJe3Y3L04AsLdPY6yN+8Lm+1qPDK/m
7IObDwke1RIl7cfyj/j/A/A/qf30ShR7cfyj/j/A/A/qf30ShR7cfyj/j/A/A/qf30ShR7cfyj/j/A/A/qf30ShR
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a61VM0VhGYrqfxa9K2UhpNAUToMghPIpb9/8w/m4p1dx8yFYKezam5LGaaWqQprLr1lTcxagtA3Z
glDft1DYnbcgbaRM8iwqpdRkrreXZ5XxZDklLmUsR3a1iO2l1CQqMzDLKkqPXuMJ+XYnVZ/mpmoV
V3Kq6JnwivrWXa7DpSX8aZZQtvYiR1MoHbbqAVctQ8uepauI7WV0Erxdyf3Wpz1PfrmtRHXezxCJ
MYJcCikhDoSFAgE6GbWdDVVbWR2N7Z22LLkokJrTMx5qmjhKkthDrkhTRU+pIA2UB82xJqcAt1uR
3oC8cxpUeunMe4hZezjioiLZUZxtEl+CiO8ylKmlgcm1rKOPLWNWcfxxQ1L2BN4ymJRxrNrnaro3
ZzclYdTHShrm3LDrXPc7gpVsTrLo1nR0DdlkGF5PVRIqJHdZasbi8kWcdAcUylQQEOIKl7dFj09N
YZmsbEa+6i4Q9a0sbH1WSUOPQ7FmEGbppxbfBt5pTTzSmlbntqJSrc7ajYYnGsfrkYW7k1lU5k1J
3cvZF3XWEJlhxvtc2Q6qaFy1LKgotp48vVMm4gVtQxCXmmGZA0UOJbcEekrDCnK2S30WCeKBv8yd
x03/AL/r6ft+Gvh+z4ba+7Xw18NfDXXbbXw/Z11011/ZI7XZ93s37vhx7m3Xt89uu3rtv9+37en9
lvn+Wf5o9t/S37Pv/b9fp/5vD1+79nTb9h/2/wB9/9k=

--d6aca0aa-3718-48c8-bee7-ce065c549ee4--

---

858. [aprssig] Some handy UI-VIEW Commands (revised)

From: "Andrew Rich" <andrew.rich@bigpond.com>
Date: Thu, 31 Jan 2002 06:25:54 +1000
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-60070-2002.01.30-14.56.15--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Send these commands to UI-VIEW as a message

?APRSP - sends back a location beacon.
?APRSS - sends back the status text.
?APRSO - sends back your active objects.
?APRSD - sends back a list of stations that have been heard direct.
?APRST (or ?PING?) - sends back the route by which the query was received.
?APRSH <callsign> - sends back information on when <callsign> was last heard.
?VER? (not an APRS query, but some APRS software supports it) - sends back information on the software version in use.

With "Remote commands" enabled in UI-VIEW, you can send the follwoing commands that are specific to UI-VIEW

QAS - causes your system (the Ui-VIEW station) to Query All Stations.
QWS - causes your system (the Ui-VIEW station)to Query WX Stations.
BCN - causes your system (the Ui-VIEW station)to send a beacon.
LGS (or LG1) - enables logging at (the Ui-VIEW station), using a log file named according to the date. (This command must come from the station callsign.)
LGX (or LG0) - disables logging at (the Ui-VIEW station). (This command must come from the station callsign.)
DX - causes your system (the Ui-VIEW station) to send an abbreviated best DX report.
!program - when sent to (the Ui-VIEW station) runs a program in the RCOMMAND directory

---
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859. Only US$9.90 you can get full set car alarm

From: longdun <longdun_china1@163.com>
Date: Thu, 31 Jan 2002 07:38:45 +0800
Message-ID: <200201302332.RAA15458@tapr.org>
Rendered body type: text/plain

```
Only US$9.90 you can get full set car alarm
Welcome OEM inquire
```

[Attachment: 9.9e.jpg; application/octet-stream; 65,297 bytes]

---

860. [aprssig] Re: News- Ham Radio APRS use is possible

From: "Mike Yetsko" <myetsko@insydesw.com>
Date: Wed, 30 Jan 2002 20:45:55 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-60115-2002.01.30-20.16.32--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

```
My airbags come out from the 'far right' of my dash for the passenger, and
from the wheel for the driver.  In addition, my passenger airbag is a unit
that deploys from the 'edge'.

Of course, anything on the dash 'could'
slide around and be over the air bag area in an accident, but since my
bags
deploy 'back' and anything on the dash will go forward, I think there'd be
more danger from anything in the vehicle going up at the dash than from
something on the dash 'away' from the bags sliding into the way.

Mike




----- Original Message -----
From: "Chuck Van Eeckhout" <cvaneeck@attbi.com>


> Not a GOOD idea, if your airbags deploy.... Better check your manual
> that came with your car.... You would look funny with a GPS implanted in
> your forehead....
> de chuck wd9hae
>
> Mike Yetsko wrote:
>
> >You can go to Wal-Mart and in the kitchen stuff for plates and pots and
> >such find a ROLL of material that is designed for shelf lining where
> >plates
> >stand on edge for display.  It's like a piece of really thin rubbery
foam.
> >
> >For about $4 or so, you can have enough to make 20 or more of the same
> >things you find at the electronics stores.  And I think it works a
little
> >better.
> >
> >I've been using it with my GPS units for a couple of years now.
> >
> >Mike




---
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```

---

861. [aprssig] Re: News- Ham Radio APRS use is possible

From: Earl Needham <needhame@yucca.net>
Date: Wed, 30 Jan 2002 19:10:16 -0700
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-60120-2002.01.30-20.41.55--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

```
At 08:45 PM 1/30/2002 -0500, Mike Yetsko wrote:
>My airbags come out from the 'far right' of my dash for the passenger, and
>from the wheel for the driver.  In addition, my passenger airbag is a unit
>that deploys from the 'edge'.

         My opinion is that I NEVER post to APRSSIG about putting things on
```

```
the dash of my car, because someone will invariably tell me not to do so,
quoting the danger of the air bags launching said items, even though they
have no earthly idea:

         1.  What kind of car I have
         2.  Whether it has air bags or not, and
         3.  Whether the items I put on the dash are even near the bags.

         7 3
         Earl


*********************************************************
Earl Needham, KD5XB mailto:needhame@yucca.net
Clovis, New Mexico
KD5XB-2>APU24L,WA5IHL-11,K5BEN-15,WA5IHL-7,W5SF-1,K5CQH-15,WB5EKP-1*,TRACE7-
1:=3425.84N/10313.56W-[DM84]
Pet peeve #1: You look at a "SITE" with your "SIGHT".
Pet peeve #2: "Congratulations" does NOT have a "d" in it.
Old pet peeve: People who get themselves on a mailing list and then can't
figure out how to get OFF the list, then repeatedly sending "unsubscribe"
or "remove" as one-word messages to the list.


---
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```

---

862. [aprssig] Re: News- Ham Radio APRS use is possible

From: k5qq@juno.com
Date: Wed, 30 Jan 2002 20:16:10 -0700
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: aprssig@lists.tapr.org
Message-ID: <LYR842-60123-2002.01.30-21.47.51--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

```
On Wed, 30 Jan 2002 19:10:16 -0700 Earl Needham <needhame@yucca.net>
writes:
>
>          My opinion is that I NEVER post to APRSSIG about putting
> things on
> the dash of my car, because someone will invariably tell me not to
> do so,
> quoting the danger of the air bags launching said items, even though
> they
> have no earthly idea:
>
>          1.  What kind of car I have
>          2.  Whether it has air bags or not, and
>          3.  Whether the items I put on the dash are even near the
> bags.
>
>          7 3
>          Earl
>
>


My buddy Earl once told me he wanted to always keep his HT on the dash so
in the event of a crash, the air bag would get it to him quicker.  He
knows no one listens to the mic-e emergency messages so he wants that HT
right up by his face in a hurry!!!


His Buddy Jim




(Sorry Earl, slow night on the sig...)
________________________________________________________________
GET INTERNET ACCESS FROM JUNO!
Juno offers FREE or PREMIUM Internet access for less!
Join Juno today!  For your FREE software, visit:
http://dl.www.juno.com/get/web/.

---
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---

863. [aprssig] Re: Airbags (Was: News- Ham Radio APRS use is possible)

From: Mark Fellhauer <sparkfel@qwest.net>
Date: Wed, 30 Jan 2002 22:55:34 -0600
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-60137-2002.01.30-23.26.39--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

At 08:10 PM 1/30/02, Earl Needham wrote:

> My opinion is that I NEVER post to APRSSIG about putting things
> on the dash of my car, because someone will invariably tell me not to do
> so, quoting the danger of the air bags launching said items, even though
> they have no earthly idea:
>
> 1. What kind of car I have
> 2. Whether it has air bags or not, and
> 3. Whether the items I put on the dash are even near the bags.

Someone may have retrofitted your 1967 Chrysler Newport with airbags, without your knowledge. Better safe than sorry.

Remember, never put anything in your mouth while driving either, lest the airbag spontaneously deploy and drive the lollipop, pipe, cigar, toothpick, etc. through the back of your throat, causing instant death. And remember no one died of blunt force trauma in a car accident prior to the invention or use of airbags. Never mind that women and small children are 30 to 40 percent more likely to suffer brain stem or cardiac arterial tearing than a 35 year-old 180 pound male, in any given serious trauma, and that this trauma can happen at 8 MPH or less...

The mere deployment of an airbag can kill small children, women, and rodents within a 60 foot radius of the car. My brother's wife's co-worker's cousin's neice's neighbor's babysitter was killed by an airbag, so it's no laughing matter.

73,

Mark
KC7BXS

---
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864. [aprssig] Re: Airbags (Was: News- Ham Radio APRS use is possible)

From: "Terry Bendell" <ve3tkb@sympatico.ca>
Date: Thu, 31 Jan 2002 00:09:44 -0400
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-60138-2002.01.30-23.40.20--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Are we talking about AIRBAGS OR WINDBAGS?

:^)

73

Terry

>The mere deployment of an airbag can kill small children, women, and
>rodents within a 60 foot radius of the car. My brother's wife's
>co-worker's cousin's neice's neighbor's babysitter was killed by an airbag,
>so it's no laughing matter.
>
>73,
>
>Mark
>KC7BXS
>
>

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865. [aprssig] Re: Airbags

From: James Ewen <jewen@shaw.ca>
Date: Wed, 30 Jan 2002 21:49:07 -0700
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-60139-2002.01.30-23.49.40--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Sorry Stan, I can't help myself!

> Remember, never put anything in your mouth while driving either, lest the
> airbag spontaneously deploy and drive the lollipop, pipe, cigar,
toothpick,
> etc. through the back of your throat, causing instant death.

Also, never drive your vehicle, lest the airbag spontaneously deploy,
causing you to loose control of your vehicle and drive into oncoming
traffic, or a roadside hazard!

Gotta tell the boss I'm not going to make it to work in the morning...

James
VE6SRV

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866. [aprssig] Dash mounting

From: Alan Heaberlin <amh@as.net>
Date: Wed, 30 Jan 2002 22:40:38 -0800
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-60157-2002.01.31-01.10.11--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Things that look dangerous always spook me even if after I have already
made the installation. I took the dash apart on my Ranger 4WD and
permanently added a bunch of brackets and a piece of unistrut that I can
always figure out how to make a mount out of. Anything that sits loose on
the dash though (airbags and windbags notwithstanding)generally presents a
hazard only if you are soundly rear-ended, in which case the injuries will
only add to the value of your lawsuit against the senior citizen or
oriental who clocked you (Ok Ok flame suit on).
If you want a real chill, my neighbor mounted an entire FT570 HF rig on the
ceiling of his pick-up right behind his head. He still can't understand why
I won't ride with him.
Now I better run before Mad Stan figures out that this ain't exactly
on-topic. Sorry Stan I couldn't help myself.
Alan Heaberlin W6AMH
WX in CAl City
http://www.findu.com/cgi-bin/wxpage.cgi?w6amh-3

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867. [aprssig] Re: Airbags (Was: News- Ham Radio APRS use is possible)

From: Mark Fellhauer <sparkfel@qwest.net>
Date: Thu, 31 Jan 2002 02:39:51 -0600
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-60167-2002.01.31-03.10.28--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

At 10:09 PM 1/30/02, Terry Bendell wrote:

>Are we talking about AIRBAGS OR WINDBAGS?
>

The problem is that as Earl has so humorously pointed out, is that there is

a contingent of people on this SIG who seem fixated on the dangers of
airbags, and will email you privately (or not) about how they heard a third
hand story of someone being killed by a mug propelled out a car window by
an airbag or some other such nonsense.   We've also seen claims that the
airbags in US cars are somehow inferior to airbags installed in cars in
other countries.   I will note that most of these emails I have gotten
orginated from VE land... ;)

Mark
KC7BXS

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868. [aprssig] Re: Windbags

From: Mark Fellhauer <sparkfel@qwest.net>
Date: Thu, 31 Jan 2002 04:00:24 -0600
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-60173-2002.01.31-04.30.59--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

At 10:09 PM 1/30/02, Terry Bendell wrote:

>Are we talking about AIRBAGS OR WINDBAGS?
>

Recently, I made a remark in jest about someone on this SIG being
cheap.   He took umbrage at my comment and was very upset.

I, on the other hand, am not so thin skinned, and accept the title of
windbag in the spirit it was given.   I have been called far worse... ;)

73,

Mark
KC7BXS

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---

869. [aprssig] AHubEast Status

From: "Mark A.Foley" <na4v@cox.net>
Date: Thu, 31 Jan 2002 05:51:40 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: "W8EH" <ernie@sallymail.com>, "N0ELS" <n0els@mmcable.com>,
"NE1H" <ne1h@amsat.org>, "VE3TEJ" <ve3tej@rac.ca>,
"KD4SFD" <kd4sfd@mindspring.com>, "NK8X" <73613.2420@COMPUSERVE.COM>,
"KF6HJO" <kf6hjo@earthlink.net>, "KD4HTW" <kd4htw@qsl.net>,
"K4YK" <k4yk@arrl.net>, "PD2WDR" <pd2wdr@qsl.net>,
"AA9MM" <tbrooks@sigecom.net>, "W8MSU" <root@msuarc.egr.msu.edu>,
"KE0VN" <mark@ehlen.cc>, "N9NWA" <n9nwa@arrl.net>,
"KC2GZB" <vze2c67q@verizon.net>, "KG6OK" <kg6ok@pacbell.net>,
"N7VMR" <n7vmr@fuller.net>, "N8DEU" <n8deu@amsat.org>,
"N5YSQ" <n5ysq@cox-internet.com>, "AE5PL" <pete@ae5pl.net>,
"N4BSA" <n4bsa@arrl.net>, "AB2EK" <raysa@catskill.net>,
"KD5AAY" <karp@alltel.net>
Message-ID: <LYR842-60175-2002.01.31-05.22.19--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Many users of my server may have noticed some interuptions in the feed.
This is due to my ISP's (Cox@home) transistion process to their own
server network.   As of right now, all traffic is being routed through
Atlanta (Corp. HQ for Cox) to monitor and test the new network.   I've
been told this process will be completed by the end of the week and
hopefully, everything will go back to normal.
73, Mark

Mark A. Foley, NA4V
AHubEAST APRS Internet Server
www.ahubeast.net:2023 (full feed) or
www.ahubeast.net:14579 (regional feed)

www.ahubeast.net:14439 (local TNC feed)
more info at: www.na4v.com

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---

870. [aprssig] Re: Airbags (Was: News- Ham Radio APRS use is possible)

From: Earl Needham <needhame@yucca.net>
Date: Thu, 31 Jan 2002 05:15:12 -0700
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-60181-2002.01.31-06.46.21--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

```
At 02:39 AM 1/31/2002 -0600, Mark Fellhauer wrote:
>At 10:09 PM 1/30/02, Terry Bendell wrote:
>
>>Are we talking about AIRBAGS OR WINDBAGS?
>
>
>The problem is that as Earl has so humorously pointed out, is that there
>is a contingent of people on this SIG who seem fixated on the dangers of
>airbags,

         Or anything else!  It isn't just AIRBAGS, you'll get email
designed to protect you because you're not protecting yourself...

         Earl


*********************************************************
Earl Needham, KD5XB mailto:needhame@yucca.net
Clovis, New Mexico
KD5XB-2>APU24L,WA5IHL-11,K5BEN-15,WA5IHL-7,W5SF-1,K5CQH-15,WB5EKP-1*,TRACE7-
1:=3425.84N/10313.56W-[DM84]
Pet peeve #1: You look at a "SITE" with your "SIGHT".
Pet peeve #2: "Congratulations" does NOT have a "d" in it.
Old pet peeve: People who get themselves on a mailing list and then can't
figure out how to get OFF the list, then repeatedly sending "unsubscribe"
or "remove" as one-word messages to the list.


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```

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871. [aprssig] javAPRS 2.2b06 Released

From: "AE5PL Lists" <HamLists@ametx.com>
Date: Thu, 31 Jan 2002 06:41:39 -0600
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-60185-2002.01.31-07.12.17--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

```
I have released javAPRS 2.2 build 06.  It is available from
http://groups.yahoo.com/group/javaprs/files for members of the javAPRS
mail list or from the sites listed at http://javaprs.ae5pl.net  For
those of you using javAPRS in your web pages, come join the mail list.
The member list is hidden to prevent spammers from using it.  It is a
great way to provide feedback and see what other people are doing with
javAPRS.

Build 06 has some bug fixes, has added the ability to scale the icons,
and supports most browser Java VM's.  As always, I am very interested in
any feedback, suggestions, or bug reports.  This build appears to be
very stable.

73,

Pete Loveall AE5PL
http://www.ae5pl.net
mailto:pete@ae5pl.net


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```

Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

872. [aprssig] Re: Airbags (Was: News- Ham Radio APRS use is possible)

From: "Mike Yetsko" <myetsko@insydesw.com>
Date: Thu, 31 Jan 2002 07:47:59 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-60189-2002.01.31-07.18.59--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

```
> >The problem is that as Earl has so humorously pointed out, is that
there
> >is a contingent of people on this SIG who seem fixated on the dangers
of
> >airbags,
>
>          Or anything else!  It isn't just AIRBAGS, you'll get email
> designed to protect you because you're not protecting yourself...
>
>          Earl

Oh oh, and "I" may fall into this category.  But not for airbags.

I suppose most people have 'trigger' issues.  With me, it's slingshots
and the way some people use them to launch antennas.   Being someone
who HAS been 'bopped' on the forehead when a line feed snagged
while doing this before they learned the tricks, and also someone
who has had personal experience with blind individuals (both from
birth and those that have gone blind for various reasons) and even
personally knowing people (one of the kids in scouts) who lost an
eye due to a careless accident, I can be obnoxious at times.  Especially
when all it takes is just a bit of caution to raise the safety bar
immensely.

But, I do NOT like fluoride being mandated, I'm against helmet laws,
and I've even been known to have a Tootsie Pop in my mouth when
I drive!

Mike



---
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```

873. [aprssig] Re: dodge mini van antenna mount

From: Robert Stessel <stessel@maine.edu>
Date: Thu, 31 Jan 2002 13:05:44 +0000
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-60192-2002.01.31-07.39.46--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

```
>
>
>I remember seeing a few years ago an antenna mount for the hatch back of the
>chrylser / dodge minivans.  I think it was on a website with a license tag
>frame antenna mount, but can't locate either one now.  Just getting a "new
>to me" minivan and need an antenna mount for it.  Anyone got a web site?
>
>Wes

I use a clamp on roof rack on my mini.  Have both my vhf and gps antennas
attached by wraping bungie cords around the base.

But my van is an 86, maybe the new ones don't have the "rain gutter" over
the doors
that the clamp on attaches to.

Look for a "trunk lip mount" antenna, that may work.
It looks kind of like a mag mount, but has a little U bracket that wraps around
  the edge of the trunk, and then is held in place with hidden set screws.
Antenna Specialists used to make it, I don't know if they still do,
cars have changed a lot since I left the two way business!
Robert Stessel - K1WXY
P.O. Box 766 Milford, Me
207-827-8733
```

874. [aprssig] UHF Overlay

From: "Robert Mitchell" <towerguy@towerguy.com>
Date: Thu, 31 Jan 2002 08:16:30 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-60193-2002.01.31-07.47.06--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

```
With the amount of traffic on the VHF 144.39 APRS frequency
has there been any talk of a 9600 baud UHF channel ?


Robert Mitchell / KD4PBC




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```

---

875. [aprssig] Tiny Track Dimensions

From: "Jake" <jakie@vcn.com>
Date: Thu, 31 Jan 2002 06:43:50 -0700
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-60196-2002.01.31-08.14.05--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

```
Does anyone know the dimensions of the tiny track II circuit board.

Thanks

Tim/KJ7AZ




---
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```

---

876. [aprssig] Re: APRS HF

From: "Robert M. Butts" <kb5yqh@arrl.net>
Date: Thu, 31 Jan 2002 8:47:45
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-60210-2002.01.31-09.18.23--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

```
Hear, hear!  CW is really fun and all but come on.  It's the 21st century.
The Coast Guard figured this out a decade ago.


30 Meter APRS is VERY useful right here in CONUS.  When you look at the
JavAPRS maps you can see the clusters of stations on the coasts (especially
East).

But out here in the "wide open spaces" HF gates are wonderful.  When I was
in SD I had reliable communications with several stations in Wyoming and
Montana as well as LOTS of Canadian stations.  We're talking about some
places where it could be 100 miles to the next house.  I don't think
high-speed Internet (other than satellite) is there yet.

30 meters provides (more or less) 24/7 communications with a reasonable
antenna.  It is (in my opinion) the best option.

73!!


Bob Butts, KB5YQH@arrl.net   ......  Now in Kansas :)


ps.  Wow!  VHF, HF, satellites, the Internet....all integrated into a
GLOBAL system.   Who would have thought APRS would turn out like this.
Awesome!


---
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```

877. [aprssig] Re: Tiny Track Dimensions

From: <VERHAP@OCC1.SD01.K12.ID.US>
Date: Thu, 31 Jan 2002 07:53:20 -700
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-60211-2002.01.31-09.30.20--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

> Does anyone know the dimensions of the tiny track II circuit board.

Funny you should ask, I measured it just last night.

The PCB measured 1.6 by 2.1 inches. There's a DB-9 header on it that extended 0.6 inches as I recall (I'm hazy on the header dimensions).

Paul

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---

878. [aprssig] RE: Tiny Track Dimensions

From: "Glen Tubbesing" <n7got@yahoo.com>
Date: Thu, 31 Jan 2002 07:07:48 -0800
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-60213-2002.01.31-09.38.43--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Yeah, Tim... Byon tells me they're about yay long, by about so wide... sorry, I couldn't resist after reading the windbags talking about airbags. When I built one last year it was about the size of my T-81... roughly 4 by 3 inches. Go to www.byonics.com and take a look at the source.

73,
Glen Tubbesing
N7GOT
Las Vegas, NV

-----Original Message-----
From: bounce-aprssig-26549@lists.tapr.org
[mailto:bounce-aprssig-26549@lists.tapr.org] On Behalf Of Jake
Sent: Thursday, January 31, 2002 05:44 AM
To: TAPR APRS Special Interest Group
Subject: [aprssig] Tiny Track Dimensions

Does anyone know the dimensions of the tiny track II circuit board.

Thanks

Tim/KJ7AZ

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____

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879. [aprssig] Re: dodge mini van antenna mount

From: "Mike Yetsko" <myetsko@insydesw.com>
Date: Thu, 31 Jan 2002 10:10:31 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-60216-2002.01.31-09.41.45--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

When Chrysler went to the 'new' design about 1996 or so, they got rid
of the rain gutters. It's now a smooth edge. The racks are now different
too, but the racks are now easily installable.

What Robert was talking about, I think, was a few years ago there was
an antenna mount system that was a 'plate' that attached where the
license plate attached, then the license plate attached to this antenna
plate.
There was a kind of arm on it to mount an antenna.

Don't know if it's even being made or sold anymore. And I have no
idea how it would work against the 'flat back' of a mini-van as opposed
to the back of a car where you are fairly open once you're a few inches
above the plate area.

As to trunk lip mounts, be careful. They will not work on all vehicles.
Some vehicles have too close a tolerance at the hinge gap, or even
'close up' the gap as the back swings up. On some vehicles the hatch
even DROPS as it swings open. (My 88 Daytona was that way!)
And then there are vehicles that it would work, once you get it in there,
but you can't get it in there without disassembly of the hatch hinge
assembly. And with weather sealing so critical, I wouldn't want to
do that. If you want to mount at the top of a hatch, investigate the
mechanical aspects of it CAREFULLY before you do anything you
may regret.

Finally, if you mount on a hatch, consider if it would be an issue if you
wanted to transport something like sheetrock on the roof? That's
probably not an issue with a mini-van, but if you have a small wagon
or hatchback sedan it could be.

Me personally? I'd just use a short mag mount in the center of the
roof. A mini-van is a great ground plane, and a mag mount in the
center performs pretty well. If I had the roof rack, I'd use that for
the 'other stuff' like the GPS.

By the way, I've been told that with the 'newer' Chrysler vans, the roof
racks can be easily removed and reattached. I have a friend with one,
and we're going to hit a junkyard to take one off to see... It might be
an
easy way to get him a roof rack at a decent price.

Mike

----- Original Message -----
From: "Robert Stessel" <stessel@maine.edu>

> >I remember seeing a few years ago an antenna mount for the hatch back
of the
> >chrylser / dodge minivans. I think it was on a website with a license
tag
> >frame antenna mount, but can't locate either one now. Just getting a
"new
> >to me" minivan and need an antenna mount for it. Anyone got a web
site?
> >
> >Wes
>
> I use a clamp on roof rack on my mini. Have both my vhf and gps
antennas
> attached by wraping bungie cords around the base.
>
> But my van is an 86, maybe the new ones don't have the "rain gutter"
over
> the doors
> that the clamp on attaches to.
>
> Look for a "trunk lip mount" antenna, that may work.
> It looks kind of like a mag mount, but has a little U bracket that wraps
around
>   the edge of the trunk, and then is held in place with hidden set

screws.
> Antenna Specialists used to make it, I don't know if they still do,
> cars have changed a lot since I left the two way business!
> Robert Stessel - K1WXY
> P.O. Box 766 Milford, Me
> 207-827-8733

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---

880. [aprssig] RE: Tiny Track Dimensions

From: "Glen Tubbesing" <n7got@yahoo.com>
Date: Thu, 31 Jan 2002 07:22:30 -0800
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-60219-2002.01.31-09.53.18--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Oops, a little big on the measurements... no bigger than 3 by 2, maybe a
little smaller.

73,
Glen Tubbesing
N7GOT
Las Vegas, NV

-----Original Message-----
From: bounce-aprssig-26549@lists.tapr.org
[mailto:bounce-aprssig-26549@lists.tapr.org] On Behalf Of Glen Tubbesing
Sent: Thursday, January 31, 2002 07:08 AM
To: TAPR APRS Special Interest Group
Subject: [aprssig] RE: Tiny Track Dimensions

Yeah, Tim... Byon tells me they're about yay long, by about so wide...
sorry, I couldn't resist after reading the windbags talking about
airbags. When I built one last year it was about the size of my T-81...
roughly 4 by 3 inches. Go to www.byonics.com and take a look at the
source.

73,
Glen Tubbesing
N7GOT
Las Vegas, NV

____

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---

881. [aprssig] Schematic Capture/PCB Layout/Autoroute/SPICE

From: "Sadowski, Allan" <allan.sadowski@ncshp.org>
Date: Thu, 31 Jan 2002 10:29:24 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-60220-2002.01.31-09.54.30--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

It is not my intent to start another "war" here and argure the arcane and
minutia to death :)

BUT, I am wanting to layout some PC Boards for some APRS gear...

Some of my wish list....

I want the flexibility of sending the results to any board house - so I'm
looking for advice from SIG members WHO ACTUALLY USE said software... and
have personal experience with more than one package... as to what I should
consider buying...

I willl want to do 4 layer boards (max)

I will want to do boards up to about 40 sq inches (4" x 10" - 5" x 8" -
about the size of the existing TNC-2 case....

Bonus points for software that allow some basic analog circuit modeling...

BIG BONUS if it's on LINUX... but I'll settle for Windows based software...

Being a HAM... I'd like to keep it low cost...

TNX in advance...

ALOHA
AH6LS

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882. [aprssig] Re: dodge mini van antenna mount

From: John Hansen <hansen@fredonia.edu>
Date: Thu, 31 Jan 2002 10:26:17 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-60221-2002.01.31-09.59.02--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

At 10:10 AM 1/31/2002 -0500, Mike Yetsko wrote:
>What Robert was talking about, I think, was a few years ago there was
>an antenna mount system that was a 'plate' that attached where the
>license plate attached, then the license plate attached to this antenna
>plate.
>There was a kind of arm on it to mount an antenna.

I have one of these and they are very nice. I use it on my Miata so I
don't have to alter the vehicle to install a radio or antenna. Not cheap
though... about $45. They are still available from:

http://www.hamstick.com/mounts.htm

John W2FS

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---

883. [aprssig] Re: dodge mini van antenna mount

From: "Wes Johnston" <kd4rdb@netzero.com>
Date: Thu, 31 Jan 2002 10:29:45 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-60222-2002.01.31-10.02.11--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Thanks for the input... mine does not have the rain gutters.... there is a company which makes a license tag mount http://www.hamstick.com/Tm-1.html . I have searched and searched for the antenna mount that slips in the vertical gap in the rear door and bolts to the inside of the door frame and can't find it anywhere.... guess i'm off to make my own with a cardboard template.

Wes.
----- Original Message -----
From: Robert Stessel
To: TAPR APRS Special Interest Group
Sent: Thursday, January 31, 2002 8:05 AM
Subject: [aprssig] Re: dodge mini van antenna mount

I remember seeing a few years ago an antenna mount for the hatch back of the
chrylser / dodge minivans. I think it was on a website with a license tag
frame antenna mount, but can't locate either one now. Just getting a "new

```
  to me" minivan and need an antenna mount for it.  Anyone got a web site?

  Wes

I use a clamp on roof rack on my mini.  Have both my vhf and gps antennas
attached by wraping bungie cords around the base.

But my van is an 86, maybe the new ones don't have the "rain gutter" over the doors
that the clamp on attaches to.

Look for a "trunk lip mount" antenna, that may work.
It looks kind of like a mag mount, but has a little U bracket that wraps around
 the edge of the trunk, and then is held in place with hidden set screws.
Antenna Specialists used to make it, I don't know if they still do,
cars have changed a lot since I left the two way business!

Robert Stessel - K1WXY
P.O. Box 766 Milford, Me
207-827-8733
```

---

884. [aprssig] keeping the GPS or rig from sliding when mobile

From: "John Veach" <ke4d@escapees.com>
Date: Thu, 31 Jan 2002 09:04:21 -0700
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-60237-2002.01.31-10.37.39--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

```
My wife (KB4FFO) and I are fulltime RVers.  We live in a 37 foot diesel
pusher motorhome.  We use the non skid stuff you can buy at Walmart or any
Dollar store to keep things from sliding around. I even have my MFJ
switching power supply sitting on this stuff.  It never moves.  You can buy
this stuff for about a buck a roll at the discount stores.  >  I have two
GPS receivers, one for our mapping program and one for APRS.  Both sit on
top of the TV set in the front of our RV and both sit on this non skid
stuff. They have been up there for over two years and never move.  Just a
thought.  Its cheap and it works.

John
KE4D
on the road in Yuma, AZ



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885. [aprssig] keeping the GPS or rig from sliding when mobile

From: K3for@aol.com
Date: Thu, 31 Jan 2002 11:36:02 EST
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: <k3for@aol.com>
Message-ID: <LYR842-60240-2002.01.31-11.06.44--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

```
This is a good topic!  I need some ideas on this.

My D700 and 706IIG are in the trunk, running off a 30AH gel cell that is recharged when the engine is
running.  Faceplates are mounted to their brackets which are tie-wrapped over my dash air vents (it
doesn't look too bad, actually.) AC inverter is under the passenger seat.

I have a standard size 12" screen color laptop permanently dedicated to the vehicle now, running
StreetAtlas 4 off the hard drive and APRS+.  Right now, it sits on the passenger seat, since the Honda
Accord's windshield slopes too steep to have the LCD lid up if it's on the dash.  I need some ideas on
how/where to mount the laptop (some impeding the passenger seat is acceptable.)  Or, disconnecting the
screen from the keyboard base unit...

73,
Skip/K3FOR

---
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886. Your confirmation is needed (ok 842)

From: Lyris <unsubscribe-confirm@lists.tapr.org>
Date: Thu, 31 Jan 2002 11:10:49 -0600

To: lyris.aprssig@tapr.org
Message-ID: <LYR842-60248-2002.01.31-11.10.49--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Your email address 'lyris.aprssig@tapr.org' has been submitted to be unsubscribed from the 'aprssig' mailing list.

This unsubscribe command requires your confirmation that you want to be unsubscribed.

To confirm that you do want to unsubscribe, reply to this message so that the words "ok 842" appear somewhere on the subject line.

Make sure that your reply message is addressed to
unsubscribe-confirm@lists.tapr.org

You will receive notification that your confirmation has been received, and that you have been unsubscribed.

If you do not want to unsubscribe, do nothing. You will be kept on the mailing list.

Return-Path: <longdun_china2@163.com>
Received: from 5 ([61.144.183.167]) by lists.tapr.org with SMTP (Lyris Server version 3.0); Thu, 31 Jan 2002 11:09:49 -0600
From: longdun <longdun_china2@163.com>
Reply-To: longdun_china2@163.com
Subject:
Date: Fri, 01 Feb 2002 00:45:30 +0800
X-Mailer: 007 Direct Email Easy
MIME-Version: 1.0
Content-Type: multipart/mixed; boundary="cba3aec4-6c25-48fe-9880-c2b2354d2a13"
to: aprssig-request

# Mail sent to leave-aprssig-842k was converted to these commands:
unsubscribe aprssig lyris.aprssig@tapr.org confirm
end

# This is the text of the message that triggered the action:

Return-Path: <longdun_china2@163.com>
Received: from 5 ([61.144.183.167]) by lists.tapr.org with SMTP (Lyris Server version 3.0); Thu, 31 Jan 2002 11:09:49 -0600
From: longdun <longdun_china2@163.com>
Reply-To: longdun_china2@163.com
Subject: Only US$9.90 you can get full set car alarm
Date: Fri, 01 Feb 2002 00:45:30 +0800
X-Mailer: 007 Direct Email Easy
MIME-Version: 1.0
Content-Type: multipart/mixed; boundary="cba3aec4-6c25-48fe-9880-c2b2354d2a13"

This is a multi-part message in MIME format

--cba3aec4-6c25-48fe-9880-c2b2354d2a13
Content-Type: text/plain; charset=iso-8859-2
Content-Transfer-Encoding: quoted-printable

Only US$9.90 you can get full set car alarm
Welcome OEM inquire

--cba3aec4-6c25-48fe-9880-c2b2354d2a13
Content-Type: application/octet-stream; charset=iso-8859-1; file=9.9e.jpg
Content-Transfer-Encoding: base64
Content-Disposition: attachment; filename=9.9e.jpg

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```

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--cba3aec4-6c25-48fe-9880-c2b2354d2a13--
```

887. [aprssig] Re: keeping the GPS or rig from sliding when mobile

From: Allen Emer <aemer@monmouth.com>
Date: Thu, 31 Jan 2002 12:10:35 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-60254-2002.01.31-11.39.05--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

```
Skip,

I have a Dodge van and use a 1 1/2" RAM ball mount with a computer tray
mounted on the dash console to hold either my CF25 laptop or just a mini
keyboard hooked up to the D700. These Ram mounts are available in marine
supply stores and have a fully articulating arm to position the computer
any way you like. (not in front of the air bag though)

All kinds of Ram computer mounts are
here:  http://www.ram-mount.com/laptopcomp.htm

Allen Emer
N2YAC



At 11:36 AM 1/31/2002 -0500, you wrote:
>This is a good topic!  I need some ideas on this.
>
>    I need some ideas on how/where to mount the laptop (some impeding the
> passenger seat is acceptable.)  .
>
>73,
>Skip/K3FOR




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888. [aprssig] Re: keeping the GPS or rig from sliding when mobile

From: RMckni8527@aol.com
Date: Thu, 31 Jan 2002 14:42:41 EST
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: aprssig@tapr.org
Message-ID: <LYR842-60279-2002.01.31-14.13.31--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

In a message dated 31-Jan-02 08:11:14 Pacific Standard Time,
ke4d@escapees.com writes:

> Both sit on
> top of the TV set in the front of our RV and both sit on this non skid
> stuff. They have been up there for over two years and never move.

Anything not securely mounted in a moving vehicle (boat, RV, car, et al) is extremely dangerous. At the risk of this thread turning into another powerpole rambling, let's just all realize that what's cheap and easy isn't necessarily proper or safe. I've never been struck by lightning, but that doesn't mean it's prudent to go golfing in a thunderstorm. ALL LOOSE OBJECTS will become projectiles in a collision, which will travel at the speed of the vehicle when it contacts a stationary object. You don't want anything flying around the interior at say 50-60 mph. I laugh when I see people lay speakers on their rear shelf, right at head level. Even stuff under a seat can cause injury to legs and feet. Rollovers are just as bad but not quite the same as a sudden deceleration. I think it's silly to have to discuss this, and the air bag issue, and other safety issues, but to promote dangerous practices to others on a public forum, where many may be (and are) impressionable and then they actually DO it, is irresponsible.

This is not a personal attack. Just common sense.

73's
Ray - WB3ABN
Kingston, WA

---

889. [aprssig] NOSaprs 1.11.1 available - Stability Patch, Better down-time handling ...

From: Maiko Langelaar <maiko@slmsoft.com>
Date: Thu, 31 Jan 2002 13:59:12 -0600
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-60282-2002.01.31-14.36.14--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Greetings,

I have released linux update kits for TNOSaprs 1.11.1 and JNOSaprs 1.11.1.

* This is mostly a STABILITY update. I have rewritten the main server loop in the hopes that it will significantly improve the stability of NOSaprs.

* This new release of NOSaprs has CONSIDERABLY less downtime to the APRS internet system. If a server connection is lost or can not be established, then NOSaprs will now almost *immediately* try the next server in the list. The previous versions of NOSaprs had considerable delays between connect attempts.

The kits, documentation, and, binaries can be found at my website below :

http://www.qsl.net/ve4klm/packet/aprss.html

Feel free to contact me if you have questions or need help with this stuff.

73 Maiko Langelaar / VE4KLM

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890. [aprssig] Kansas City/Independance/Western Missouri WX problems

From: "Kurt Bleich" <kurt_bleich@usa.net>
Date: Thu, 31 Jan 2002 14:10:45
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-60284-2002.01.31-14.41.26--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Good day all,

As you may/may not know, the Kansas City Area has been dealing last night and today with ice related problems. Many folks in that area have no power or other utilities.

The western half of the state has not been showing up for me here in Central Missouri on APRS, and most all the stations that I looked at on findu.com have not made it to the nearest I-gate for several hours.

I have a friend that is heading that way for his employer as he works for a wireless carrier in the area. He has mobile WinAPRS, D700, and a mobile internet connection.

With the exception of the fact he may not have his IP service, does anyone here have any problems/suggestions with him setting up to be an I-gate the next 2-3 days while he is in the area? Might prove to be helpful.

Ideas/Suggestions welcome.

Thanks! 73

Kurt - KB0HNR

Missouri ARES Digital Communications Coordinator

District Emergency Coordinator
Missouri ARES District F

email: kb0hnr@arrl.net

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891. [aprssig] Re: Schematic Capture/PCB Layout/Autoroute/SPICE

From: "David R. Andersen" <k0rx@qth.com>
Date: Thu, 31 Jan 2002 14:12:03 -0600
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: TAPR APRS Special Interest Group <aprssig@lists.tapr.org>
Message-ID: <LYR842-60285-2002.01.31-14.42.52--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

... question about PC board layout programs ...

Allan:
I've used two packages (both Windows). CirCAD and Eagle. Neither does simulations. Both have autorouters and will do way more than 4 layer boards. Both have good sets of component libraries, and adding your own is easy in both. Both generate industry-standard gerber and excellon files for sending your work to board houses. The differences:

Eagle is very smooth and clean. The autorouter is fast, and does a good job of post-routing optimization. You can specify in the optimization phase what is important to you through a set of cost weightings. For example, if you wanted to do a 2-level board with no vias, you can assign a large cost to vias and a low cost to some other parameter. If you want traces on the different layers to be oriented differently, you can specify this. I was very impressed with Eagle. For 3.1" x 3.9" boards or smaller, Eagle is free. For larger boards, the cost is somewhere in the neighborhood of $1300.

CirCAD is very smooth and clean for the layout. Its autorouter is out of the stone age though, and takes lots of "personal optimization" to get a good result. For hams, the cost is $300 - significantly less than any of the competitors I know of. The drawings that come out are very clean and nice, in my opinion better than Eagle. If you don't use an autorouter, then CirCAD is definitely the proper choice.

Basically, the extra $1000 gets you the good autorouter. If I did this for a living, I'd spend the money. For "a few APRS projects" its probably not worth it. But if your boards are small enough, then you can use Eagle for free.

73 and good luck.
Dave K0RX

--
Dave K0RX
http://www.qth.com/RXcomm

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892. [aprssig] RE: subject = Kansas City/Independeance ... My VIRUS alert just went off ...

From: Maiko Langelaar <maiko@slmsoft.com>
Date: Thu, 31 Jan 2002 14:17:09 -0600
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-60289-2002.01.31-14.54.10--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

The last post to the APRS sig from Kurt Bleich just triggered my virus alert !!!

Maiko / VE4KLM

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893. [aprssig] RE: subject = Kansas City/Independeance ... My VIRUS alert just went off ...

From: "Kurt Bleich" <bleichk@umsystem.edu>
Date: Thu, 31 Jan 2002 14:32:48
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-60293-2002.01.31-15.03.20--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

I posted this message through the TAPR web interface, as I don't recieve
the messages via email, I just monitor via the web.

I imagine that doesn't mean I sent a virus somehow, so I'm doing a scan
with Norton as I type here.

73
Kurt
KB0HNR

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894. [aprssig] RE: subject = Kansas City/Independeance ... My VIRUS alert just went off ...

From: Maiko Langelaar <maiko@slmsoft.com>
Date: Thu, 31 Jan 2002 14:39:50 -0600
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-60296-2002.01.31-15.16.46--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Hi Kurt,

> I posted this message through the TAPR web interface, as I don't recieve
> the messages via email, I just monitor via the web.

Very strange. The alert came up as soon as I checked for mail on my Netscape
mail client, and that post was the only message. There were 2 other messages
in the inbox but they were there already. I had my McAfee download scan
running while I checked for mail.

On a slightly different topic, I'm considering maybe stopping that practice,
cause I just lost my entire INBOX in the process. Arggg !!!!

Maiko / VE4KLM

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895. [aprssig] RE: subject = Kansas City/Independeance ... My VIRUS alert just went off ...

From: KC7ZRU - Tate <kc7zru@arrl.net>
Date: Thu, 31 Jan 2002 14:07:36 -0700
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-60299-2002.01.31-15.38.10--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

No alerts here at all.

No attachements came my way, nothing embedded, totally clean ascii near as I can see.

Whatever triggered your alert, I really doubt it was Kurt's post.

Maiko Langelaar wrote:
>
> The last post to the APRS sig from Kurt Bleich just triggered my virus alert !!!
>
> Maiko / VE4KLM
>

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896. [aprssig] RE: subject = Kansas City/Independeance ... My VIRUS alert just went off ...

From: Maiko Langelaar <maiko@slmsoft.com>
Date: Thu, 31 Jan 2002 15:06:51 -0600
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: TAPR APRS Special Interest Group <aprssig@lists.tapr.org>
Message-ID: <LYR842-60301-2002.01.31-15.43.51--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Hi Tate and group,

My sincere apologies (so far anyways)... Looks like I have misunderstood the way the McAfee download scan functions. It's very possible that it scanned the entire inbox (which incidently contained a couple of documents that I am currently looking into).

Sorry for the bother. I just wanted to be on the safe side ...

73 Maiko / VE4KLM

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897. [aprssig] RE: subject = Kansas City/Independeance ... My VIRUS alert just went off ...

From: Jeff Brenton KA9VNV <jeffb@csrye.org>
Date: Thu, 31 Jan 2002 15:10:48 -0600
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: aprssig@tapr.org
Message-ID: <LYR842-60302-2002.01.31-15.44.58--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

ML> Very strange. The alert came up as soon as I checked for mail on my Netscape
ML> mail client, and that post was the only message. There were 2 other messages
ML> in the inbox but they were there already. I had my McAfee download scan
ML> running while I checked for mail.

McAfee and others scan the temporary files created by email programs; if a virus is detected, it is likely that it is NOT a message that makes it to your box, but the one AFTER it, which never makes it to your view.

I found this out when I couldn't download a particular message, but couldn't find out who it was from until I disabled the real-time scanner... Since it was the only inbound message at the time, nothing appeared in my mailbox, but the virus warning popped up each time I did a check for new mail.

I no longer scan inbound mail, because I switched to "The Bat!" as my mail client. Bat doesn't have the same vulnerabilities found in mail clients that take advantage of Internet Explorer and/or Netscape for rendering HTML and Java. I still get virus and worm programs sent to me, but Bat doesn't let them install... and I can scan them afterward.

--
Best regards,
Jeff mailto:jeffb@csrye.org

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898. [aprssig] Re: Mobile computer table [Was: keeping GPS from sliding]

From: WA8LMF2@aol.com
Date: Thu, 31 Jan 2002 16:22:57 EST
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: K3for@aol.com
Message-ID: <LYR842-60305-2002.01.31-15.53.55--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

In a message dated 1/31/2002 8:38:14 AM Pacific Standard Time, K3for@aol.com writes:

> I need some ideas on how/where to mount the laptop (some impeding the
> passenger seat is acceptable.) Or, disconnecting the screen from the
> keyboard base unit...

See my website for some pics of the "gravity-mount" mobile office desk I built for my Passat TDI wagon.
    http://members.aol.com/wa8lmf/survey/survhard.htm

The table consists of a 50lb 5/8" steel plate about 14"x12"that rests on the floor in front of the passenger seat, a small piece of 1/4" plywood covered with Velcro that holds the PC, and a mast consisting of a 24" piece of 1" waterpipe with a pipe flange on each end joining the two. The top of the steel plate is carpeted to match the car; the bottom has ribbed black rubber industrial matting glued to it that completely prevents the assy from sliding around on the car's original carpet.

At the top end, I use what I call "homosexual Velcro". I have covered both the top of the plywood surface, -and- the bottom of the laptop, with the hook-half of Velcro only. This absolutely immobilizes the laptop horizontally, but lifts straight up effortlessly. (Trying to separate half a square foot of conventionally-mated hook and "fuzz" velcro is a real struggle).

The pipe flanges are attached at the left corner of the table and floor plate. The pipe threads into the two flanges fairly stiffly but can still be moved. I can rotate the table top so it faces the passenger squarely, turn it to about a 45-degree angle so it faces the driver, or turn it 90 degrees (so the computer assy is now over the console and shift) that the passenger's lap and legs are completely clear to enter or exit. I drilled two rows of 1/4" holes every 3/4" along the left side of the base plate so that I can adjust the for/aft mounting of the mast to accomodate different cars/dashboards

```
Stephen H. Smith                   wa8lmf @ aol.com
Home Page:                         http://members.aol.com/wa8lmf
Ham Radio/Mobile SSTV page:        http://members.aol.com/wa8lmf/ham
APRS Stuff                         http://members.aol.com/wa8lmf/aprs
---------------------------------------------------------------------
|    Radio Communications Systems       Personal Computers
|                Consulting and Systems Integration
|    GPS Custom Mapping    &     Radio Coverage Surveys
|    File Conversions       MS-Windows Setups       VISCII Fonts
---------------------------------------------------------------------
```

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Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

---

899. [aprssig] RE: subject = Kansas City/Independeance ... My VIRUS alert just went off ...

From: "Kurt Bleich" <bleichk@umsystem.edu>
Date: Thu, 31 Jan 2002 15:25:23
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-60306-2002.01.31-15.56.04--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

No problem!

Also, my apologies for not being able to type today. (subject typo)

-Kurt

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900. [aprssig] REF: My VIRUS alert just went off ...

From: Matthew Stennett <WA4TKG@mediaone.net>
Date: Thu, 31 Jan 2002 16:25:45 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: TAPR APRS Special Interest Group <aprssig@lists.tapr.org>
Message-ID: <LYR842-60307-2002.01.31-15.56.42--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

```
>
>
>
>Sorry for the bother. I just wanted to be on the safe side ...
>
>73 Maiko / VE4KLM
>
That's Right:
Better SAFE than SORRY (like the LAST time someone
infected us all)

MacRatt Matt



---
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Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org
```

---

901. [aprssig] Re: TNX (?: How to make a DC cable to power the D-7)

From: "Sergio Matias" <ct2hmn@clix.pt>
Date: Thu, 31 Jan 2002 01:15:48 -0000
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-60314-2002.01.31-16.31.53--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

```
Thanks to all who answered my question.

----- Original Message -----
> What do I need to make a DC cable to power my D-7 from my car?
> I suspect the supply must be filtered and estabilized.

---
Sergio, CT2HMN



---
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```

---

902. Only US$9.90 you can get full set car alarm

From: longdun <longdun_china2@163.com>
Date: Fri, 01 Feb 2002 07:28:15 +0800
Message-ID: <200201312322.RAA29197@tapr.org>
Rendered body type: text/plain

```
Only US$9.90 you can get full set car alarm
Welcome OEM inquire
```

[Attachment: 9.9e.jpg; application/octet-stream; 65,297 bytes]

---

903. [aprssig] Re: keeping the GPS or rig from sliding when mobile

From: Bob Bruninga <bruninga@usna.edu>
Date: Thu, 31 Jan 2002 20:15:54 -0500 (EST)
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: TAPR APRS Special Interest Group <aprssig@lists.tapr.org>
Message-ID: <LYR842-60372-2002.01.31-19.46.32--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

```
On Thu, 31 Jan 2002 someone  wrote:

> Blah, Blah, Blan...
> a sudden deceleration. I think it's silly to have to discuss this, and the
> air bag issue, and other safety issues, but to promote dangerous practices to
> others on a public forum, where many may be (and are) impressionable and then
> they actually DO it, is irresponsible.
> This is not a personal attack.  Just common sense.

Speaking of common sense!
```

Since I was the one that suggested the no-skid material to hold things in
place on your dash board, let me make this perfectly clear to anyone who
has sense enough to think for himself..

1) If you are going to have things on your dashboard, it is SAFER to have
it on NON-SKID material than sliding all over the dashboard and in your
lap every time you make a turn, stop or accelerate.

2) #1 above says NOTHING about ENCOURAGING someone to put things on their
dashboard. It is a SAFETY MEASURE that is far safer than NOT HAVING it.

People who do stupid things are going to do stupid things. No amount of
BS on this sig is going to change that...

Bob

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Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

904. [aprssig] Re: Mobile computer table [Was: keeping GPS from sliding]

From: "Steve Hammond" <1hammond@bellsouth.net>
Date: Thu, 31 Jan 2002 20:23:19 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-60373-2002.01.31-19.58.52--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

If you don't want to build one, I use the Jotto Desk. www.jottodesk.com

It mounts by loosening the front seat bolts on the passenger slide and then
the bracket slides up underneath and is held in place when you tighten the
seat bolts back down. Has a wide ranging articulating arm and is very
sturdy.   I have one in my Suburban. It can be rotated up and out of the
way when someone want to sit in the passenger seat.

It isn't cheap, but it works well for me.

Steve/K4SAH

> In a message dated 1/31/2002 8:38:14 AM Pacific Standard Time,
K3for@aol.com
> writes:
>
> > I need some ideas on how/where to mount the laptop (some impeding the
> > passenger seat is acceptable.) Or, disconnecting the screen from the
> > keyboard base unit...
>

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905. [aprssig] Re: Mobile computer table [Was: keeping GPS from sliding]

From: WA8LMF2@aol.com
Date: Thu, 31 Jan 2002 20:48:32 EST
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: 1hammond@bellsouth.net
Message-ID: <LYR842-60377-2002.01.31-20.19.17--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

In a message dated 1/31/2002 5:30:16 PM Pacific Standard Time,
1hammond@bellsouth.net writes:

> If you don't want to build one, I use the Jotto Desk. www.jottodesk.com
>
> It mounts by loosening the front seat bolts on the passenger slide and then
> the bracket slides up underneath and is held in place when you tighten the
> seat bolts back down.

I almost got one of these, but one of my requirements was to be able to quickly place a table into a vehicle that wasn't mine and then remove it again a few hours later. My design is no-holes "gravity mount" -- it stays put by shear weight!

```
Stephen H. Smith                   wa8lmf @ aol.com
Home Page:                         http://members.aol.com/wa8lmf
Ham Radio/Mobile SSTV page:        http://members.aol.com/wa8lmf/ham
APRS Stuff                         http://members.aol.com/wa8lmf/aprs
----------------------------------------------------------------------
|    Radio Communications Systems       Personal Computers
|                Consulting and Systems Integration
|    GPS Custom Mapping    &     Radio Coverage Surveys
|    File Conversions       MS-Windows Setups       VISCII Fonts
----------------------------------------------------------------------
```

---
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---

906. [aprssig] Inviting Kids into HAM RADIO!

From: Bob Bruninga <bruninga@usna.edu>
Date: Thu, 31 Jan 2002 21:10:08 -0500 (EST)
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: amsat-bb@usna.edu
Message-ID: <LYR842-60380-2002.01.31-20.40.51--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Last night was our first attempt at getting all the kids in the county on the air on FRS. (Sorry for the post to this sig, but think of it as an "outreach" reminder)...

After giving talks/demos on HAM radio to a number of youth groups (scouts, etc) in the area and then talking about FRS as a starting point and teaching them about callsigns and proper radio procedure, we finally said, ok, at 9 PM on Wendsnday Night, go outside and get your FRS radio as high as you can and see who you can talk to.

This follows several weeks of presentations at Scouts, Kids Radio clubs in the schools, and anyone that would listen... Here are the important points we tried to make to the kids:

1) Put your house on the map with a pin (I had a map board at all mtgs)
2) Always use a callsign (troop/school+initials. Mine is 995REB)
3) Listen first, then call. Take notes on who you hear.
4) Use channel 1 no-tones (or tone=0)
5) NEVER use the callbutton unless you have pre-arranged with someone else
   who is specifically going to be listening for it. But not on our net!
6) Ignore clowns. Don't be one.

Out of the dozens of kids I have reached, never more than 3 or 4 are within FRS range of each other, so this is NOT like a HAM net where everyone in the county can comunicate. The intent is to establish NEIGHBORHOOD nets of interested kids who then spread the word to others. Here is a possible "scenario" that each one of them can be prepared to use on "NET night"...

1) Listen to see that the channel is clear.... PAUSE

2) Is this frequency in use? OVER

3) Is this frequency in use? OVER

4) This is NNNABC calling all radio friends in the weekly "Oak-Grove" Family Radio Service Net. Is there anyone who would like to join the net, please call NNNABC now. Over.

5) Take checkins if any. Ignore all clowns...(if any)

6) The purpose of this net is to establish local Family Radio Service communications nets for meeting other radio friends, for learning about two-way radio and HAM radio, and for local emergencies as needed. We welcome anyone to join us. If there are any new checkins, please call NNNABC now. OVER

6) etc... A third paragraph can suggest how to make up a callsign, etc.

Remember they are going to be lucky to find anyone until we get above critical mass, so each one of them starts as "net control" until they find someone to talk to.

I won't know the results of this first night until next week when the kids report back, but my son and I drove to a hill top and heard two people (not in our groups) very weakly and were able to QSO with one of them...

This won't work until we get to critical mass, but we have now begun. My biggest mistake was forgetting about our own RADIO CLUB! I should have gotten all the HAMS in the county to also join us! That would have doubled the number of people on the air and ALL of them would have used proper radio procedure from the get-go....

Anyway, you might think about "FRS NIGHT" as an outreach program for your area with these "self-interest" objectives:

1) Notice I spoke the full name of FRS. Many users dont know... and the name "FAMILY RADIO SERVICE" lends a certain amount of civility to it...

2) It will get kids on the air and get them hooked on radio!

3) It will teach them proper radio procedures. NOTE, NEVER, EVER admonish ANYONE on the air. You are only there to SET THE EXAMPLE. NOTHIG ELSE. THIS IS IMPORTANT. THIS IS NOT HAM RADIO WHERE YOU CAN PLAY GOD...

4) If HAMS dont show them proper radio procedures, then FRS WILL BECOME like CB and the MARINE BAND. THe BIGGEST MISTAKE THAT THE FCC has made with FRS is in not requiring the radio manufacturerrs to include some kind of OEPRATORS guide in every box! Sure, no one will read it.... but the ABSENCE of such a guide leaves the operation of radio open to the worst possible habits and these CARRY OVER TO ALL FUTURE RADIOS these people will ever use. We see this already on the MARINE band and elsewhere...

Look at part 97. The purpose of HAM radio is to teach the radio art and proper procedures, etc. I don't see any RESTRICTION that we have to limit our responsibilities to only the HAM bands...

Thanks,
de WB4APR@amsat.org, Bob

Now back to your favorite part of the hobby, whatever that happens to be.
Enjoy!

P.S. We chose 9 PM which gives them all time to get home from scout meetings, etc... If they do start making contacts, then you can encourage them to make up QSL cards for their callsigns. It is IMPORTANT for them to IDENTIFY with a call and to become proud of it. QSL cards work... and are fun to draw up on a PC...

A good closing paragraph for your NET would be somthing that mentions your next HAM CLUB meeting... etc...

I welcome feedback and ideas, but to avoid cluttering up the SIGS, send them privately and I will summarize back to the sig if any great new concepts come out of it...

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907. [aprssig] Re: Kansas City/Independance/Western Missouri WX problems

From: Bob Bruninga <bruninga@usna.edu>
Date: Thu, 31 Jan 2002 21:15:21 -0500 (EST)
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: TAPR APRS Special Interest Group <aprssig@lists.tapr.org>
Message-ID: <LYR842-60382-2002.01.31-20.49.47--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

On Thu, 31 Jan 2002, Kurt Bleich wrote:

> ...Many folks in that area have no power or other utilities.
> I have a friend that is heading that way for his employer as he works for a
> wireless carrier in the area. He has mobile WinAPRS, D700, and a mobile
> internet connection.

WOW! What a concept... Neat.   And it all fits in a briefcase!

Of course, the internet might be out too, so the flip side of this is to activate his D700 UI-DIGIPEATER (with RELAY and WIDE) and then park on a hill and relay the stuff back to the APRS infrastrucutre that is still working....

CAUTION!!! The jury is still out on the UIDIGI mode in the D700. If you ever set your UIDIGI list to include WIDE, I think I have convinced myself that it will never forget it. Even if you remove it later... YOu may have to do a RESET to clear it. If anyone else has experience with this, let us know...

Bob

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---

908. [aprssig] Re: PCSAT and mobile satellite OPS

From: Bob Bruninga <bruninga@usna.edu>
Date: Thu, 31 Jan 2002 21:30:09 -0500 (EST)
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: TAPR APRS Special Interest Group <aprssig@tapr.org>, <amsat-bb@amsat.org>
Message-ID: <LYR842-60386-2002.01.31-21.01.21--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

> Hi Bob. I am in the middle of nowhere in the Arizona desert and I have
> lost my data on PCSAT.

Its easy. For mid-latitudes, PCsat passes occur in two groups of three passes. So if you just happen to hear the first pass of each three, then you will hear two more exactly 100 minutes later... This pattern will repeat the NEXT day 30 minutes earlier.

After about a week, you will need to ratchet to the next orbit to stay in sync, so ADD 100 minutes to the pattern once a week...

Right now in the northern hemisphere, PCsat passes are occuring as follows for the week of 01-31-2002 local sun time:

```
Sats 06 07 08 09 10 11 12 13 14 15 16 17 18 19 20 21 22 23 00 01 02 03
---- -- -- -- -- -- -- -- -- -- -- -- -- -- -- -- -- -- -- -- -- -- --
ISS_                               ** ***************************  *
UO22 ******                       ***********
AO27     **********                      ***********
UO14       ***********                      **********
OPAL *                       * **** ***                              *
PCsat           *************                                *********
Saph            ************* *                             **********
```

And for the Southern Hemisphere (local sun time)

```
Sats 06 07 08 09 10 11 12 13 14 15 16 17 18 19 20 21 22 23 00 01 02 03
---- -- -- -- -- -- -- -- -- -- -- -- -- -- -- -- -- -- -- -- -- -- --
ISS_ ************************** *
UO22 ***                             ***********
AO27 ***********                            ***********
UO14    **********                             ***********
OPAL                             * ********                      * ***
PCsat                   ***************            ***************
Saph                     **************            * ***********
```

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---

909. [aprssig] Re: Mobile computer table [Was: keeping GPS from sliding]

From: KC7ZRU - Tate <kc7zru@arrl.net>
Date: Thu, 31 Jan 2002 21:17:38 -0700
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-60407-2002.01.31-22.48.19--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

All this wind-bag'n about "safety", "air-bags" and "coffee mugs a fly'n" - I'm pleasantly surprised no one's mentioned any concern about this several hundred pound piece of plate steel fly'n around a passanger compartment durring a collision. Reflect back on some of the past discussions dealing with un-secured or poorly secured batteries get'n tossed about.

Crap - just blew it didn't I...

73

WA8LMF2@aol.com wrote:
>
> I almost got one of these, but one of my requirements was to be able to
> quickly place a table into a vehicle that wasn't mine and then remove it
> again a few hours later. My design is no-holes "gravity mount" -- it stays
> put by shear weight!
>

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---

910. [aprssig] handipacket

From: <gavingroce@yahoo.com>
Date: Thu, 31 Jan 2002 22:26:28 -0600
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-60408-2002.01.31-22.57.04--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

anyone use a handipacket from paccomm for aprs? I just got one cheap and wondering

____

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---

911. [aprssig] Re: Kansas City/Independance/Western Missouri WX problems

From: "Robert M. Butts" <kb5yqh@arrl.net>
Date: Thu, 31 Jan 2002 22:37:45
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-60411-2002.01.31-23.08.23--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Kurt,

We're back in business, on the KS side, with good solid copy from WB0HAC-1 and WV0T-9. I've I-gated 226 messages in the last 3 hours.

In the future I can solve this (in my local area anyway) with a portable digi on a nearby hilltop.

Great idea. We should really consider coordinating this in the future.

Bob, KB5YQH@arrl.net   Leavenworth, KS

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---

912. [aprssig] Re: handipacket

From: "Robert M. Butts" <kb5yqh@arrl.net>
Date: Thu, 31 Jan 2002 22:43:7

To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-60412-2002.01.31-23.13.40--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Wonderful piece of hardware!   You'll want to check the firmware version and upgrade to 5.0 if you're not there.   It does multiple alias and call substitution, etc.

http://www.paccomm.com/

I use mine, with an HT, as a portable digipeater or as a stand-alone tracker. The internal battery make it a great setup.

73!

Bob, KB5YQH@arrl.net

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April 2002

Original source file: aprssig.0204
Source: http://ftp.tapr.org/tapr_history/SIG_Archives/aprssig/mail_archive/aprssig.0204

1. [aprssig] Re: PCSAT

From: "Andrew Rich" <andrew.rich@bigpond.com>
Date: Mon, 1 Apr 2002 16:59:05 +1000
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-71748-2002.04.01-01.31.40--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

I know this may sound funny, but is there any sats that have flown with a
SSTV picture in a recording chip ?

I flew one from a kite once, very cool.

Could send the flight patch or a picture of the sat in SSTV form.

Andrew

-----Original Message-----
From: bounce-aprssig-23621@lists.tapr.org
[mailto:bounce-aprssig-23621@lists.tapr.org]On Behalf Of Bob Bruninga
Sent: Sunday, 31 March 2002 10:55 AM
To: TAPR APRS Special Interest Group
Cc: TAPR APRS Special Interest Group
Subject: [aprssig] Re: PCSAT

On Sat, 30 Mar 2002, Terry Bendell wrote:

> I have a newly formed space club group I just joined that is hosting its
> first
> meeting on April 12. They are involved with the "starshine"
> project and I hope to introduce them to APRS via PCSAT and
> ISS. Hopefully by then it will be stable.

I dont think it will, but if it is during the day time, then PCsat may be
usable and you will certainly be authroized to use it. Also, do you know
we are designing the next starshine. See my starshine WEB page...
It will be a PCsat clone...

de WB4APR@amsat.org, Bob

starshine WEB page   http://www.ew.usna.edu/~bruninga/starshine.html

---
You are currently subscribed to aprssig as: andrew.rich@bigpond.com
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Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

---

2. [aprssig] Kam XL running other APRS programs

From: "Clayon H. Owen" <aa3jy@winlink.org>
Date: Mon, 1 Apr 2002 6:16:54
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-71755-2002.04.01-06.50.14--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Thus with issues running other APRS programs with the Kam XL please contact
me privately.

---
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---

3. [aprssig] Re: Kam XL running other APRS programs

From: "Tim Cunningham" <tim_cunningham@mindspring.com>
Date: Mon, 1 Apr 2002 07:15:50 -0600
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-71761-2002.04.01-07.51.42--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

```
Have you tried putting the TNC in KISS mode and using that interface?


Tim - N8DEU




----- Original Message -----
From: "Clayon H. Owen" <aa3jy@winlink.org>
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Sent: Monday, April 01, 2002 6:16 AM
Subject: [aprssig] Kam XL running other APRS programs


> Thus with issues running other APRS programs with the Kam XL please
contact
> me privately.
>




---
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```

4. [aprssig] Re: Help: Linux/APRSd Elmer Needed

From: "Richard L. Holbert" <rholbert@fastmail.fm>
Date: Mon, 1 Apr 2002 8:47:11
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-71769-2002.04.01-09.20.24--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

```
Rich,

You may want to join another mailing list, it's called OSHAM, and it's
intent is to bring open source software (like Linux), and amateur radio
closer together.

The url is http://osham.colug.net

Enjoy!

Rick

---
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```

5. [aprssig] Re: WinAPRS -- "Dim" out or "Time" out?

From: Keith Sproul <ksproul@rci.rutgers.edu>
Date: Mon, 1 Apr 2002 10:00:03 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: aprssig@tapr.org
Message-ID: <LYR842-71774-2002.04.01-09.34.50--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

```
In DOS APRS, the icons DIM out after the DIMOUT TIME. and disappear
after the TIMOUT.

In WinAPRS and MacAPRS, since we use fancy colored ICONS, the DIMOUT
didn't make  much sense because the display on the icon's wouldn't
look any good..

In MacAPRS, I made the station lists show the text in ITALICS if they
were 'dimied out' and then tried to do the same thing in WinAPRS.
The italics in Windows was very tough to read on most computers, so
we stopped doing that too.

Keith
```

```
>       Could someone who KNOWS please explain the difference in
>WinAPRS of the "Dim" out function and the "Time" out function?
>
>       Thanks,
>       Earl
>

--
Keith Sproul    ksproul@rci.rutgers.edu         WU2Z
Student Housing Network Coordinator             732 445-3695 W
Rutgers University Computing Services

---
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```

---

6. [aprssig] APRS DF Bearing lines

From: Bob Bruninga <bruninga@usna.edu>
Date: Mon, 1 Apr 2002 10:15:04 -0500 (EST)
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: TAPR APRS Special Interest Group <aprssig@lists.tapr.org>
Message-ID: <LYR842-71776-2002.04.01-09.48.18--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

```
On Sun, 31 Mar 2002, Skip wrote abou tAPRS DF BEaring lines

> In DOS APRS the length of the line appears to be fixed at x miles.  The
> value you enter with the DF bearing is the quality of the signal and
> doesn't seem to affect the length of the line.

The length of the DF line is done autmoatically for you in APRSdos by
assuming your current map view (range scale) is valid for the DF you
are performiming... that is that your expectations for the location of the
source all fits on the current map scale.  Thus the DF bearing line is
given a length proportaional to that originating map view.

This is transmitted in the DF bearing line format so that all recepients
are supposed to display it to the same real-world length so that the
recepients are given a clue as to how far out the originator intended for
his DF line to be valid.

> In WINAPRS the distance seems to be fixed at x inches.  This doesn't
> work when you get a little way from the starting point and try to zoom
> in.

Yep.  That is a problem.

Bob

> Skip
>
> Bob Bruninga wrote:
> >
> > On Fri, 29 Mar 2002, Skip wrote:
> >
> > > Will this new version have the DF lines fixed so they are at least 20
> > > miles long? (regardless of zoom level)
> >
> > The DF format contains a field for the length of the DF line as entered by
> > the sender.  Only the sender konws the character of his detection
> > capability to be able to say how far out his DF line is valid...
> >
> > So the length of the DF line displayed on all maps is supposed to only be
> > that length as sent by the sender...
> >
> > de WB4APR@amsat.org, Bob
> >
> > ---
> > You are currently subscribed to aprssig as: sallison@megsinet.net
> > To unsubscribe send a blank email to leave-aprssig-842K@lists.tapr.org
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>
> ---
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>
```

```
de WB4APR@amsat.org, Bob

PCsat WEB  page     http://www.ew.usna.edu/~bruninga/pcsat.html
ISS-APRS FAQ:       http://www.ew.usna.edu/~bruninga/iss-faq.html
CUBESAT Designs     http://www.ew.usna.edu/~bruninga/cubesat.html
APRS LIVE pages     http://www.ew.usna.edu/~bruninga/aprs.html
APRS SATELLITES     http://www.ew.usna.edu/~bruninga/astars.html
MIM/Mic-E/Mic-Lite  http://www.toad.net/~wclement/bruninga/mic-lite.html


---
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```

7. [aprssig] Re: PCSAT

From: Bob Bruninga <bruninga@usna.edu>
Date: Mon, 1 Apr 2002 10:21:41 -0500 (EST)
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: TAPR APRS Special Interest Group <aprssig@lists.tapr.org>
Message-ID: <LYR842-71777-2002.04.01-09.55.16--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

```
On Sun, 31 Mar 2002, Eric Mackie wrote:

> PCSat passed here a short while ago and as I recall, you asked for
> telemetry numbers that were over 60. So here is what I copied:
>
> W3ADO-1>BEACON,SGATE:T#078,064,070,078,059,213,00111111,0001,1
> W3ADO-1>BEACON,SGATE:T#079,064,073,048,167,213,00111111,0010,1
> W3ADO-1>BEACON,SGATE:T#080,137,145,043,208,213,00111111,0011,1
> W3ADO-1>BEACON,SGATE:T#081,015,029,038,020,213,00111111,0000,1

Best we have seen!  So things may be improving.  ALl we need to do is get
to 100 and we will have made it though an eclipse...

> 73's de Eric 9Z4CP.
>
> On 03/30/02, "Bob Bruninga <bruninga@usna.edu>" wrote:
> > On Sat, 30 Mar 2002, Terry Bendell wrote:
> >
> > > Hi Bob and all,
> > >
> > > Any predicted date when PCSAT may be available again
> > > for use over North America.
> >
> > No, we thought it would be better this week, but still no joy.
> > If you ahve a psecific demo or event, tell us.
> > bob
> > >
> > > 73
> > >
> > > Terry
> > >
> >
> > de WB4APR@amsat.org, Bob
> >
> > PCsat WEB  page     http://www.ew.usna.edu/~bruninga/pcsat.html
> > ISS-APRS FAQ:       http://www.ew.usna.edu/~bruninga/iss-faq.html
> > CUBESAT Designs     http://www.ew.usna.edu/~bruninga/cubesat.html
> > APRS LIVE pages     http://www.ew.usna.edu/~bruninga/aprs.html
> > APRS SATELLITES     http://www.ew.usna.edu/~bruninga/astars.html
> > MIM/Mic-E/Mic-Lite  http://www.toad.net/~wclement/bruninga/mic-lite.html
>
> ---
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>

de WB4APR@amsat.org, Bob

PCsat WEB  page     http://www.ew.usna.edu/~bruninga/pcsat.html
ISS-APRS FAQ:       http://www.ew.usna.edu/~bruninga/iss-faq.html
CUBESAT Designs     http://www.ew.usna.edu/~bruninga/cubesat.html
APRS LIVE pages     http://www.ew.usna.edu/~bruninga/aprs.html
APRS SATELLITES     http://www.ew.usna.edu/~bruninga/astars.html
MIM/Mic-E/Mic-Lite  http://www.toad.net/~wclement/bruninga/mic-lite.html
```

```
---
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```

8. [aprssig] PC SAT Telemetry

From: Matthew W Stennett <WA4TKG@attbi.com>
Date: Mon, 01 Apr 2002 12:51:10 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-71786-2002.04.01-12.24.25--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

```
N3IYI-3>APR814,W3ADO-1*:=3910.76N/07643.82W=000/000/ Bob's RR cars

(some people just DON'T listen)

W3ADO-1>BEACON,SGATE:T#039,073,058,063,097,212,11111111,0010,1

PCSAT-11>BEACON,SGATE:T#013,156,037,081,053,212,11111110,0000,1

W3ADO-1>BEACON,SGATE:T#040,161,161,060,209,212,11111111,0011,1

W3ADO-1>BEACON,SGATE:T#041,015,154,036,018,212,11111111,0000,1

W3ADO-1>BEACON,SGATE:T#042,073,064,064,087,212,11111111,0001,1



---
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```

9. [aprssig] Nice GPS article - thin but interesting

From: "Sadowski, Allan" <allan.sadowski@ncshp.org>
Date: Mon, 1 Apr 2002 16:44:26 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-71794-2002.04.01-16.08.47--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

It's not a bad article on GPS - I recall paying $3000 for my first GPS receiver about 12 years ago... a monster Magellan that ate up 8 AA batteries in 45 minutes.... so they have come a long way...

I'm looking forward to the stuff a bit further out on the GPS event horizon... second Civilian channel to reduce ionospheric propagation errors... low cost multiGPS "platforms" that gives me high dynamic condition updates (pitch roll yaw positions... as well as accelerations in all three axis). And one of these days there may even be pseudo satellite systems that have enough power to be useful in concrete canyons... and with enough power to be useful inside buildings... now that will be a revolution...

ALOHA
AH6LS

<<CNN.com - Locator madness pervades plenty of devices - March 29, 2002.url>>

http://www.cnn.com/2002/TECH/ptech/03/28/locator.madness.ap/index.html
[Attachment: CNN.com - Locator madness pervades plenty of devices - March 29, 2002.url; application/octet-stream; 212 bytes]

10. [aprssig] Re: PC SAT Telemetry

From: Ryan Tourge <ryrto@yahoo.com>
Date: Mon, 1 Apr 2002 15:59:46 -0800 (PST)
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-71803-2002.04.01-18.33.01--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Is there a program that will allow one to manually decode this data. I'm aware of the telemetry program but would like to be able to enter the values manually as I don;t always monitor the PCSAT's downlink.

Thanks!
Ryan

--- Matthew W Stennett <WA4TKG@attbi.com> wrote:

```
> N3IYI-3>APR814,W3ADO-1*:=3910.76N/07643.82W=000/000/
> Bob's RR cars
>
> (some people just DON'T listen)
>
>
W3ADO-1>BEACON,SGATE:T#039,073,058,063,097,212,11111111,0010,1
>
>
PCSAT-11>BEACON,SGATE:T#013,156,037,081,053,212,11111110,0000,1
>
>
W3ADO-1>BEACON,SGATE:T#040,161,161,060,209,212,11111111,0011,1
>
>
W3ADO-1>BEACON,SGATE:T#041,015,154,036,018,212,11111111,0000,1
>
>
W3ADO-1>BEACON,SGATE:T#042,073,064,064,087,212,11111111,0001,1
>
>
>
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____
Do You Yahoo!?
Yahoo! Greetings - send holiday greetings for Easter, Passover
http://greetings.yahoo.com/

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---

11. [aprssig] Handipacket Stand-alone tracker..HELP!!!

From: "Robert M. Butts" <kb5yqh@arrl.net>
Date: Mon, 1 Apr 2002 20:26:52
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-71829-2002.04.01-21.00.08--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Seems that I've developed a brain cramp...

I can't seem to get my handipacket to read NMEA data.
(Firmware version 5.0 - digi works great!)

Keeps spitting out "Waiting for GPS data" as the LTEXT.

Must be missing a step. Here's what I've got:

1. I set the baud to 4800, N, 8, 1 (using a modified TripMate - and YES it spits out NMEA sentences just fine to Hyperterm set @ 4800).

2. GPSTEXT $GPRMC
3. LOC E 120 (2 minutes)
4. LPATH APRS VIA RELAY, WIDE
5. GPS ON

Unplug the computer...plug in the GPS (that you just unplugged from the computer to verify it was receiving).

That SHOULD do it...shouldn't it???

Well, it didn't :)

Thanks in advance...

Bob, KB5YQH@arrl.net

```
---
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```

12. [aprssig] Re: Handipacket Stand-alone tracker..HELP!!!

From: Earl Needham <needhame@yucca.net>
Date: Mon, 01 Apr 2002 20:54:54 -0700
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-71834-2002.04.01-22.31.36--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

```
At 08:26 PM 4/1/2002 +0000, Robert M. Butts wrote:
><snip>
>Must be missing a step.  Here's what I've got:
>
>1. I set the baud to 4800, N, 8, 1  (using a modified TripMate - and YES it
>spits out NMEA sentences just fine to Hyperterm set @ 4800).
>
>2. GPSTEXT $GPRMC
>3. LOC E 120  (2 minutes)
>4. LPATH APRS VIA RELAY, WIDE
>5. GPS ON
>
>Unplug the computer...plug in the GPS (that you just unplugged from the
>computer to verify it was receiving).
>
>That SHOULD do it...shouldn't it???
>
>Well, it didn't :)

         I had a similar problem a while back, and it was driving me
crazy!  Finally I discovered that the particular GPS I was using didn't
output the string I wanted it to!

         7 3
         Earl


Earl Needham, KD5XB, Clovis, New Mexico
KD5XB-2>APW251,PCSAT-1*:=3425.83N/10313.55W-PHG7150/WinAPRS 2.5.1
-EARL_CLOVIS -251-<630>
Did you get a letter from Nigeria offering a "deal"?  See
http://home.rica.net/alphae/419coal/ and
http://www.crimes-of-persuasion.com/Crimes/Business/nigerian.htm



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```

13. [aprssig] Re: Nice GPS article - thin but interesting

From: Gerry Creager N5JXS <gerry@cs.tamu.edu>
Date: Mon, 01 Apr 2002 21:52:27 -0600
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: TAPR APRS Special Interest Group <aprssig@lists.tapr.org>
Message-ID: <LYR842-71864-2002.04.02-01.51.55--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

```
Well, if you're gonna interview someone about GPS, Per Enge is certainly
one of the folks I would go looking for.  A professor at Stanford, he's
one of the real key folks in technology development.  And a real sharp
individual.

My first receiver was a Trimble board-level unit, a 3-channel sequential
scanner, offered by a friend.  It came with documentation, supplemented
with what I could find on the Web, the Interface Control Document and
Signal Specification.  It really wasn't good for navigation, and was
designed originally for geodetic (or, really, GIS) work, but it was a
great teaching tool.  AA batteries?  More like a car battery for about 8
hours.

L5, the new civilian channel, will be seen about 2005.  DoD really ARE
our friends, funding the engineering changes when Congress got confused
and didn't do so directly.  The improvement in ionosphere mitigation
will be more acute for the geodetic users, but improved models may allow
better model data transmissions (and mods to the Signal Spec, with
regards to Almanac) associated with the deployment of L5.
```

Fugro Group made a 3-axis sensor for moderate dynamic conditions with 4 Trimble SVee6 receivers, then followed it up with some OnCore receivers. Both of these were in-house research projects for a special application. To the best of my knowledge, they never evloved it into a project, but Ashtech, Trimble and Javad all have commercial sensors at the 10 Hz rate. The math's pretty straightforward, and the issue is a single reference receiver in the array, and 3 used to calculate real differences between the reference and the outriggers. Then it becomes plane geometry. And physics, and calculus.

A friend from my NASA/JSC days (and one of Enge's PhD graduates) is heavily involved in pseudollite design and implementation. They already exist and are in use for LAAS, some military apps, and some aviation apps, mostly densifying approach data in difficult areas. In building systems are accomplished already with reradiation of GPS signals, pedometers, accelerometers and other strap-down inertial systems.

And, I agree: getting the received signal level up to where it doesn't require a preamp that'll warm your tooth fillings would be a good thing, if somewhat difficult when one starts thinking about spacecraft power budgets.

gerry
--
"Sadowski, Allan" wrote:

> It's not a bad article on GPS - I recall paying $3000 for my first GPS receiver about 12 years ago... a monster Magellan that ate up 8 AA batteries in 45 minutes.... so they have come a long way...
>
> I'm looking forward to the stuff a bit further out on the GPS event horizon... second Civilian channel to reduce ionospheric propagation errors... low cost multiGPS "platforms" that gives me high dynamic condition updates (pitch roll yaw positions... as well as accelerations in all three axis). And one of these days there may even be pseudo satellite systems that have enough power to be useful in concrete canyons... and with enough power to be useful inside buildings... now that will be a revolution...

--
Gerry Creager -- gerry@cs.tamu.edu
Network Engineering
Academy for Advanced Telecommunications and Learning Technologies
Texas A&M University   979.458.4020 (Phone) -- 979.847.8578 (Fax)

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---

14. [aprssig] PCSAT - Telemetry Query

From: Ken Collins <g4fip@btinternet.com>
Date: Tue, 2 Apr 2002 07:57:48 +0000
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-71866-2002.04.02-02.32.58--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

I saw this message on PR today:-

"Hi, PCSat-Experts,
can somebody please tell me, what the meaning of these
digits in PCSat-Telemetry is?

```
T#xxx,xxx,xxx,xxx,xxx,xxx,11111111,00xx,1 "
                                               ^^^^^^^ ^^     ^
```

I do have a copy of the Telemetry Analysis document, but it doesn't cover all of the digits arrowed above. Although I know some of them, I would like to provide a fuller answer.

Thanks for any help!

--
Ken Collins - G4FIP
E-mail:- g4fip@btinternet.com
http://www.btinternet.com/~g4fip

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15. [aprssig] findU web pages update

From: Steve Dimse <k4hg@tapr.org>
Date: Tue, 2 Apr 2002 04:53:12 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-71867-2002.04.02-04.26.32--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

I've done a lot of work in the last couple days on the findU web pages.

First, I've created a new feature page, where I highlight whatever new things I've done lately.

http://www.findu.com/new.html

There are stories about the "Cracker Tracker" and a mobile geo-cache, new zip codes for many countries (including a previously unannounced way to get Australian zip codes), and the stream monitoring tool.

Another new feature is that the radar-find cgi can now extract just a portion of the image around a given position...I'm using this to send a radar image to my truck using the Earthlink AVL I won. I can't wait to see how this works on my Baltimore-Dayton-Charlotte road trip in May!

I hereby swear I will keep the new page up to date, so this is THE place to watch if you want to find out the lastest and greatest on findU.

I've also done a lot of work on the cgi.html page, a lot more of the cgi's are documented, some errors are fixed, and I hope to have all the cgis documented in the next week or two.

http://www.findu.com/cgi.html

Steve K4HG

---
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16. [aprssig] HandyGPS (Pro) with PocketAPRS?

From: Hamish Moffatt <hamish@cloud.net.au>
Date: Tue, 2 Apr 2002 21:16:22 +1000
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-71868-2002.04.02-05.49.39--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Is the Nexian HandyGPS (or the Pro model) supported with PocketAPRS?

The PocketAPRS web page says "The hardware is not compatible with other software packages.", but the HandyGPS Pro FAQ (at www.nexian.com) says

Q2. Does HandyGPS work with other software products?
A2. Yes, the HandyGPS Pro is compatible with other mapping
    software that is NMEA-0183 compatible..

Anyone tried it?

thanks,
Hamish
--
Hamish Moffatt VK3SB <hamish@debian.org> <hamish@cloud.net.au>

---
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17. [aprssig] Re: Handipacket Stand-alone tracker..HELP!!!

From: Ryan Tourge <ryrto@yahoo.com>
Date: Tue, 2 Apr 2002 04:05:09 -0800 (PST)
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-71869-2002.04.02-06.38.26--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

I think if you are plugging the GPS into the same
connector you are usign to program it with the
computer you will have to use a null modem cable or
build your own.

Basically what s happening is the GPS's tx line is
trying to talk to the computets tx line. same for rx.
the null modem will allow the tx of one to talk to the
rx of the other and vice versa.

Radio Shaft should have somehting like that in stock.

Ryan
N2YQT

--- Earl Needham <needhame@yucca.net> wrote:
> At 08:26 PM 4/1/2002 +0000, Robert M. Butts wrote:
> ><snip>
> >Must be missing a step. Here's what I've got:
> >
> >1. I set the baud to 4800, N, 8, 1 (using a
> modified TripMate - and YES it
> >spits out NMEA sentences just fine to Hyperterm set
> @ 4800).
> >
> >2. GPSTEXT $GPRMC
> >3. LOC E 120 (2 minutes)
> >4. LPATH APRS VIA RELAY, WIDE
> >5. GPS ON
> >
> >Unplug the computer...plug in the GPS (that you
> just unplugged from the
> >computer to verify it was receiving).
> >
> >That SHOULD do it...shouldn't it???
> >
> >Well, it didn't :)
>
>   I had a similar problem a while back, and
> it was driving me
> crazy! Finally I discovered that the particular GPS
> I was using didn't
> output the string I wanted it to!
>
>   7 3
>   Earl
>
>
> Earl Needham, KD5XB, Clovis, New Mexico
>
KD5XB-2>APW251,PCSAT-1*:=3425.83N/10313.55W-PHG7150/WinAPRS
> 2.5.1
> -EARL_CLOVIS -251-<630>
> Did you get a letter from Nigeria offering a "deal"?
> See
> http://home.rica.net/alphae/419coal/ and
>
http://www.crimes-of-persuasion.com/Crimes/Business/nigerian.htm
>
>
>
> ---
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> To unsubscribe send a blank email to
> leave-aprssig-842K@lists.tapr.org
> Questions regarding the SIG go to the SIG
> administrator: wa1lou@tapr.org
>

____
Do You Yahoo!?
Yahoo! Tax Center - online filing with TurboTax
http://http://taxes.yahoo.com/

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18. [aprssig] Re: PCSAT - Telemetry Query

From: Bob Bruninga <bruninga@usna.edu>
Date: Tue, 2 Apr 2002 09:41:12 -0500 (EST)
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: TAPR APRS Special Interest Group <aprssig@lists.tapr.org>
Message-ID: <LYR842-71879-2002.04.02-09.14.38--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

```
On Tue, 2 Apr 2002, Ken Collins wrote:

> can somebody please tell me, what the meaning of these
> digits in PCSat-Telemetry is?
> T#xxx,xxx,xxx,xxx,xxx,xxx,11111111,00xx,1 "

Run PCSAT.EXE and the telemetry graphics page has a graphics window
that shows the state of each bit and what each bit  represents...

 0xxxxxxx = UHF RX A OFF
 x0xxxxxx = UHF RX B OFF
 xx0xxxxx = GPS ON
 xxx0xxxx = Reset the other TNC
 xxxx0xxx = Clear the 72 hour fail safe hardware timer
 xxxxx0xx = A = Up B side power by 2 dB. B = Select MITEL or NMEA GPS data
 xxxxxx0x = Turn on LEDs (80 bright red LED's on -Z face)
 xxxxxxx0 = Activate 10 second synchronizer (PTT only once in 10 secs)

 1xxx     =  Activate battery isolate relay
 x1xx     =  Activate Transmitter isolate relay
 xxNN     =  00,01,10,11 Telemetry Frame Counter.

de WB4APR@amsat.org, Bob

PCsat WEB  page     http://www.ew.usna.edu/~bruninga/pcsat.html
ISS-APRS FAQ:       http://www.ew.usna.edu/~bruninga/iss-faq.html
CUBESAT Designs     http://www.ew.usna.edu/~bruninga/cubesat.html
APRS LIVE pages     http://www.ew.usna.edu/~bruninga/aprs.html
APRS SATELLITES     http://www.ew.usna.edu/~bruninga/astars.html
MIM/Mic-E/Mic-Lite  http://www.toad.net/~wclement/bruninga/mic-lite.html


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```

19. [aprssig] Re: PCSAT - Telemetry Query

From: Ken Collins <g4fip@btinternet.com>
Date: Tue, 2 Apr 2002 15:13:55 +0000
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-71880-2002.04.02-09.48.13--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

```
In message
<LYR26201-71879-2002.04.02-09.14.38--g4fip#btinternet.com@lists.tapr.org>
, Bob Bruninga <bruninga@usna.edu> writes
>Run PCSAT.EXE and the telemetry graphics page has a graphics window
>that shows the state of each bit and what each bit represents...

Thanks for all that information Bob!

I've passed it along on the PR network.


--
Ken Collins - G4FIP
E-mail:- g4fip@btinternet.com
http://www.btinternet.com/~g4fip

---
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```

20. [aprssig] GARMIN STREET PILOT III

From: "David Dobbins" <dobbins@localaccess.com>
Date: Tue, 2 Apr 2002 08:33:46 -0800

To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-71890-2002.04.02-11.07.16--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

```
There was a posting recently that suggested the new Garmin Street Pilot III
(color) would not process APRS stations on the GPS map, when fed by a
TM-D700 or TH-D7A.

It does, does it nicely, and in living color.

Screen refresh is transparent, unlike my old Garmin III+, which would
continuously blink while refreshing.

List price of the Garmin Street Pilot III is $999.00, but ecost.com has them
for around $740. That's where I got mine.


David S. Dobbins                Amateur Radio: K7GPS
POB 217                        http://www.nwaprs.org
Pe Ell, WA 98572        http://map.findu.com/k7gps-9
(360) 291-3707


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```

21. [aprssig] Re: GARMIN STREET PILOT III

From: "Curt Mills, WE7U" <hacker@tc.fluke.com>
Date: Tue, 2 Apr 2002 08:38:15 -0800 (PST)
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: SIG APRS <aprssig@tapr.org>, SIG NWAPRS <nwaprssig@nwaprs.org>
Message-ID: <LYR842-71891-2002.04.02-11.11.38--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

```
On Tue, 2 Apr 2002, David Dobbins wrote:

> There was a posting recently that suggested the new Garmin Street Pilot III
> (color) would not process APRS stations on the GPS map, when fed by a
> TM-D700 or TH-D7A.
>
> It does, does it nicely, and in living color.

I remember reading on one of the lists that some model or other of
Street Pilot didn't have the feature, but it was added or was to be
added in later models.  In this case, be careful when buying a used
one for APRS unless you can flash-upgrade it to newer firmware.

Curt Mills, WE7U                        hacker.NO_*SPAM@tc.fluke.com
Senior Methods Engineer/SysAdmin
"Lotto:    A tax on people who are bad at math." -- unknown
"Windows:  Microsoft's tax on computer illiterates." -- WE7U


---
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```

22. [aprssig] Re: gps coordinate/map question

From: Gerry Creager N5JXS <gerry@cs.tamu.edu>
Date: Tue, 02 Apr 2002 19:46:08 -0600
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: TAPR APRS Special Interest Group <aprssig@lists.tapr.org>
Message-ID: <LYR842-71950-2002.04.02-20.19.28--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

```
Any and all of them that allow setting different datums, should reflect
the output in the datum selected, as Garmin does.  Thus, error
propagation.

gerry
--
"Curt, WE7U" wrote:
>
> On Thu, 28 Mar 2002, AE5PL Lists wrote:
>
> > Good technical data, Gerry.  I might add one thing.  The APRS spec on
```

> > page 21 (end of chapter 5) states "The default GPS earth datum is World
> > Geodetic System (WGS) 1984." which is the WGS84 datum. From this, one
> > can infer that if you are transmitting position information on the
> > standard APRS network, you should be using the WGS84 datum. This is
> > because there is nothing in the spec showing a method to specify that
> > you are using a different datum. It is left up to the receiving client
> > software to make any adjustments for the maps which that software might
> > use.
>
> Yep! One problem though with Garmin units is that the NMEA string
> they send out is dependent on the display datum chosen by the user.
> To be APRS spec-compliant, every APRS users with a Garmin needs to
> set it to WGS-84 datum, else their transmitted position will be off.
>
> To test this out, use a dumb terminal program to watch the GPRMC
> or GPGGA strings and watch how the numbers change as you change
> datums.
>
> I'm not sure whether other brands do this same thing with their NMEA
> strings.

--
Gerry Creager
AATLT/Network Engineering
Texas A&M University
979.458.4020 (Phone)   979.847.8578 (FAX)

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---

23. [aprssig] ADMIN: Monthly Reading of the Riot Act

From: Stan Horzepa <stanzepa@earthlink.net>
Date: Tue, 02 Apr 2002 20:46:34 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-71954-2002.04.02-20.23.10--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

(This message is posted on the APRSSIG on a monthly basis.)

PURPOSE

The purpose of the APRSSIG is to provide a forum for folks interested in
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specific APRS topics, for example, APRSSAT for APRS satellite applications.)

POSTING MESSAGES

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APRSSIG RULES

The APRSSIG has a few simple rules:

. Be courteous. Abusive, insulting, or rude behavior demonstrated towards
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. Stick to the subject, i.e., APRS. Subjects that are only tangentially
related to APRS (like ³what kind of car should I buy for my APRS tracker?²)
may be considered off-topic. If you start a message with ³this is
off-topic² then you are violating this rule.

. Be succinct when composing a message. (The APRSSIG software has been
optioned to limit the length of each message.)

. When quoting a previous message, only quote the parts of that message you
are referencing. (The APRSSIG software has been optioned to limit the length
of a quote.)

. Do not send messages in HTML of Rich Text format.

. Do not send attachments.

. Cross-posting is not permitted. (The APRSSIG software has been optioned
to prevent cross-posting.)

. The APRSSIG administrator reserves the right to suspend or ban any list
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QUESTIONS, COMMENTS, ETC.

If you have any questions, comments, etc. concerning the APRSSIG, please email the APRSSIG administrator at the address below.

Stan Horzepa, WA1LOU, wa1lou@tapr.org

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24. [aprssig] Custom Map Scripts

From: "Brent Hildebrand" <bhildebrand@earthlink.net>
Date: Tue, 2 Apr 2002 19:41:14 -0800
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-71962-2002.04.02-22.15.05--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

APRS+SA Custom Map Scripts.

These are scripts that can be created to plot data based on the criteria you specify. There are a number of functions and criteria you can use such as Latitude, Longitude, Range to a specific station or Lat/Long, station Icon, posit text search, and others. These can be combined in logical expressions, and/or numerical comparisons.

Here is a sample script. Lets say you wanted to show only stations that were in Iowa. You can create one that looks only at Lat/Long. Here it is:

```
(Long > -97) And (Long < -90) And (Lat > 40) And (Lat < 43)
```

Here, there is a numerical comparison to check to see if Longitude is > -97, logically combined with Longitude < -90, then combined with the Latitude range. Only stations in this range will be plotted. Others will be excluded. Here the "functions", Long and Lat are the numerical values of Longitude and Latitude of stations APRS+SA has decoded. The function And, performs the logical and function. Note, text case is important in function names, and callsign arguments.

Another numerical function is the RangeTo function. RangeTo takes a right argument of a station callsign, or a Latitude/Longitude pair. And example might be as follows:

```
50 > RangeTo 'KH2Z'
```

This would plot stations less than 50 miles from KH2Z, provided the location of KH2Z is known. The follow script would plot stations less than 50 miles from the coordinates of 34,-117. Note the comma, which is necessary.

```
50 > RangeTo 34,-117
```

RangeTo can also have an argument of '' (2 single quotes) which means your current location.

```
50 > RangeTo ''
```

Summary so far, Logical functions:
And
Or
Not
Xor

Numerical functions:
Lat
Long
RangeTo

Another function is the From function. This looks at Position data from the specified station(s). Several stations can be specified, and wildcards can be used. Example, this would include positions from KH2Z-9, and all variants of N9XTN.

```
>From 'KH2Z-9' 'N9XTN*'
```

The search function, To, will example the Unproto To for a string match. The following will search for the unproto To of APS211.

```
To 'APS211'
```

Searching for a portion would also work:

```
To '211'
```

Or, the following will pick out most APRS+SA stations:

```
To 'APS'
```

The Text function will search for text strings in the Posit text of stations.

```
Text 'APRS+SA'
Text 'PHG'
```

The last function I will discuss is the Type function. This one can be used for a number several types of searches.

The following searches for the digipeaters GATE and ECHO in the path
```
Type 'HF'
```

This one searches for stations that are listed in the IGate tab of APRS+SA, meaning that they have transmitted an IGate packet and has been decoded by APRS+SA.
```
Type 'IGATE'
```

The TRACKER argument looks for all NMEA string position reports.
```
Type 'TRACKER'
```

The IGATED argument looks for the last position as having been transmitted via an IGate.
```
Type 'IGATED'
```

TRACKED will show stations in your tracking list.

A little trickier is the ICON argument, It requires a second, left argument.

```
'*&%'  Type 'ICON'
```

Note, is you want to use the digipeater symbol, you need to enter it twice. Why? Because that is the way I programmed it!

```
'##*&%'  Type 'ICON'
```

Or for those stations claiming to be digipeaters, enter:
```
'##'  Type 'Icon'
```

Or, just:
```
Type 'DIGI'
```

So the right arguments to Type are:
```
'IGATE'
'TRACKER'
'TRACKED'
'IGATED'
'HF'
'ICON'
'DIGI'
'OBJECT'
'Mic-E'
'D7'
'WX'
```

In the Custom Map Editor, there are several options. A time filter which will only look back the number of hours specified. Also, the History check box will enter the callsigns of stations found into the History tab of APRS+SA. The Delete Posits button will delete stations who match the criteria of the script. The Keep Posits that Match does the same thing when the map is drawn automatically, providing another way to trim the data you keep stored in the active internal Tactical Database.

To find IGates with in 100 miles of N9XTN, you might use the following Map Script.

```
((Type 'IGATE') And 100 > RangeTo 'N9XTN') Or From 'N9XTN'
```

To find the digipeaters with in 100 miles of N9XTN, try:
```
(('##' Type 'ICON') And 100 > RangeTo 'N9XTN') Or From 'N9XTN'
```

Show Quake objects:
('Q' Type 'Icon') And Type 'Object'

Once you have created your script, you can save it to a name you specify. The new name can have its own MOP file (Map Options). The new map can have its own overlay file to add drawing objects to the final map.

There are a number of possibilities. If you create a favorite, let us know.

Brent Hildebrand, KH2Z

APRS+SA
http://www.tapr.org/~kh2z/aprsplus
ftp://ftp.tapr.org/aprssig/winstuff/aprsplus

[]

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25. [aprssig] Help with APRS Spec

From: "Andrew Rich" <andrew.rich@bigpond.com>
Date: Wed, 3 Apr 2002 20:16:55 +1000
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-72003-2002.04.03-04.49.14--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Gents,

I want to create a APRS replay program.
It saves up all the packets heard and then replays 24 hours on demand.
Can someone help me with the APRS "third party packet format" ?
The APRS spec seems to say "strip off all after the * "

If I heard:-

```
VK4TEC-9>RW34Q4,VK4GME-3*,WIDE <UI R>:'Q]GoK+>/]"4O}TM-D700
```

And I wanted to "replay" this later, would it be:-

```
VK4TEC>APRS,RELAY <UI>:}VK4TEC-9>RW34Q4,VK4GME-3* <UI
R>:'Q]GoK+>/]"4O}TM-D700
```

Andrew VK4TEC

---
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---

26. [aprssig] PCsat PLOTS AVAILABLE

From: Bob Bruninga <bruninga@usna.edu>
Date: Wed, 3 Apr 2002 12:12:29 -0500 (EST)
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-72058-2002.04.03-11.45.50--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Thanks to Johann Lochner, ZR1CBC, we now have a full orbit model of the solar angles of PCsat with its assumed magnetic stabilization. As expected, PCsat is through the worst (about 1 APril) and will be peaking around 20 APril. Lets hope there is enough capacity in the batteires remaining to take advantage of it.

See the new plots and analysis on the PCsat WEB page..

de WB4APR@amsat.org, Bob

```
PCsat WEB  page     http://www.ew.usna.edu/~bruninga/pcsat.html
ISS-APRS FAQ:       http://www.ew.usna.edu/~bruninga/iss-faq.html
CUBESAT Designs     http://www.ew.usna.edu/~bruninga/cubesat.html
APRS LIVE pages     http://www.ew.usna.edu/~bruninga/aprs.html
APRS SATELLITES     http://www.ew.usna.edu/~bruninga/astars.html
```

---

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27. [aprssig] swift weather software avail

From: RWendel@aol.com
Date: Wed, 3 Apr 2002 20:18:02 EST
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-72174-2002.04.03-19.51.39--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

In case some of you mobile trackers are into weather stuff, http://www.swiftwx.com has now launched its weather mapping and radar software. You can run it at home (without GPS), or use it mobile if you have mobile-internet access, plus you can run your GPS and spot your location in relation to the radar/storm as you are out spotting. It's pretty slick...I run mine at home just to keep updated radar maps, and you can pre-determine auto download time intervals of your pre-selected radars, satellite, and analysis maps. You can purchase the download or order the CD and immediately download the software while it's being shipped. It's pretty slick.

Randy km0d
Bloomington MN

---
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28. [aprssig] anyone using 802.11b?

From: "Bob & Janet" <jbcraft@adelphia.net>
Date: Wed, 3 Apr 2002 21:46:19 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-72190-2002.04.03-21.28.37--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

OK, so this MAY BE off the topic of APRS... but... what I want to do with it IS on the topic.

First, before some well meaning soul flames me for asking, I want you to know that I just recently (yesterday!) rejoined this group after a 7 or 8 month absence. I heard that some one has been experimenting with 802.11b WAPs.

I would like to start a WAP in this area. I was thinking that placeing 2.4GHz AP's in stratigic locations (water tanks, towers etc) perhaps even solar/battery powered, that the local EMA types could use VoIP, APRS, HTTP, FTP etc inside the WLAN and even go as far as to put one AP on the internet for remote access to real time information.

The question that begs to be asked by me is; has anyone done this yet, if so, what equipment is being used, how hard was it to modify the FCC Type15 antenna to an antenna with some gain?

Ideas? Suggestions, WARNINGS?

73
Bob - K8YS

---
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29. [aprssig] Re: anyone using 802.11b?

From: Jeff King <jeff@aerodata.net>
Date: Wed, 3 Apr 2002 22:52:01 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-72195-2002.04.03-22.22.24--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

On Wed, 3 Apr 2002 21:46:19 -0500, Bob & Janet wrote:
On 2.4ghz DSSS experimentation:

\>The question that begs to be asked by me is; has anyone done this
\>yet,

I have been, I think Wes and a few others. And thousand's of non-hams as well.

>if so, what equipment is being used,

802.11b... I see mentions of Orinco and Linksys WAP11. I've used FreeWave, Wavelan, Xircom and Raylink. Hoping to buy some WAP11's this weekend. It (the wap11) seems to be a real hacker's box (maybe because it has a atmel in it? (just checking to see if dave is reading))

> how hard was it to modify the FCC Type15 antenna to an antenna with some gain?

You replace them and also decide if you want to operate under Part 15. Most everyone stays under part 15, even the hams, because the part 97 rules are so restrictive and really don't buy you anything because of the ARRL/Metricom Axis alliance.

Comet and Superpass come to mind as good antenna makers.
http://www.superpass.com

>Ideas? Suggestions,

Join some of the wireless lists such as isp-wireless and BAWUG (http://www.bawug.org) Also some interesting articles and sites:

http://www.pbs.org/cringely/pulpit/pulpit20010628.html
http://www.pbs.org/cringely/pulpit/pulpit20010712.html
http://www.pbs.org/cringely/pulpit/pulpit20020207.html

Let me know how it goes.

73

Jeff

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---

30. [aprssig] Re: anyone using 802.11b?

From: Mark Fellhauer <sparkfel@qwest.net>
Date: Wed, 03 Apr 2002 21:55:51 -0600
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-72196-2002.04.03-22.31.40--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

At 08:46 PM 4/3/02, Bob & Janet wrote:

>The question that begs to be asked by me is; has anyone done this yet, if
>so, what equipment is being used, how hard was it to modify the FCC Type15
>antenna to an antenna with some gain?

A simple google search should point you in the right direction.

Seattle Wireless, practicallynetworked.com, BAWUG, NoCatNet should get you started.

Modifying antennas is not necessary if you buy Access Points or Wireless NIC's that have removable antennas or antenna ports on them. Gain 2.4 GHz ISM antennas can be bought at Ham Radio Outlet among other places.

My favorite supplier: http://fab-corp.com/

I'm using 802.11b for APRS and home automation currently. 802.11b VoIP is still out of the mainstream just yet. I had two Symbol 802.11 telephones for a while and they were a kick, but the price tag of about $800 EACH makes them a very expensive toy. Plus an H.323 to POTS gateway is hard to find and also very expensive. I have used NetMeeting over 802.11b with fairly good results. I can hardly wait for somebody like Panasonic, Uniden, or Sony to release a cordless 802.x phone for the masses

I'm using Linksys WAP11's for AP's and ORiNOCO Gold cards for clients with good results.

Our own fearless leader, Stan Horzepa, wrote an article a while back for
QST about 802.11b...

73,

Mark
KC7BXS

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---

31. [aprssig] Re: anyone using 802.11b?

From: WA8LMF2@aol.com
Date: Wed, 3 Apr 2002 23:34:37 EST
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-72204-2002.04.03-23.08.06--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Do a Google search on "Pringle's Can Antennas". Really. People are building
high-gain wave-guide and ring-yagi antennas for 2.4 GHz 902.11 links out of
Pringles Chip cans. One such article claims they are getting 9-12 miles
line-of-sight between two such antennas...

```
Stephen H. Smith                   wa8lmf @ aol.com
Home Page:
http://members.aol.com/wa8lmf
Ham Radio/Mobile SSTV page:     http://members.aol.com/wa8lmf/ham
APRS Stuff
http://members.aol.com/wa8lmf/aprs
-------------------------------------------------------------------------------

----------
|    Radio Communications Systems       Personal Computers
|                Consulting and Systems Integration
|    GPS Custom Mapping    &     Radio Coverage Surveys
|    File Conversions       MS-Windows Setups       VISCII Fonts
-------------------------------------------------------------------------------

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```

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---

32. [aprssig] Re: anyone using 802.11b?

From: Jeff King <jeff@aerodata.net>
Date: Wed, 3 Apr 2002 23:40:25 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-72205-2002.04.03-23.10.50--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

On Wed, 03 Apr 2002 21:55:51 -0600, Mark Fellhauer wrote:

>I'm using Linksys WAP11's for AP's

What kind of range are you getting out of these and can you describe you
setup? (stock antennas or externals) I've heard pro and con on the BAWUG list
on these but what was attractive to me is they are cheap and can function as
both a AP and also the client end. Like the ethernet in and was thinking of
doing a power over ethernet so I could mount one high up on the tower.

>My favorite supplier: http://fab-corp.com/

Thanks for that link. They have the best prices on the Comet FP-24 I have
seen so far... $169 where as HRO wants $199

73

Jeff

```
---
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```

33. [aprssig] Re: swift weather software avail

From: David VanHorn <dvanhorn@cedar.net>
Date: Wed, 03 Apr 2002 23:57:06 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-72209-2002.04.03-23.30.12--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

```
At 08:18 PM 4/3/2002 -0500, RWendel@aol.com wrote:
>In case some of you mobile trackers are into weather stuff,
>http://www.swiftwx.com has now launched its weather mapping and radar
>software.


It's a slick package, and I've already discussed APRS support with the
author. It's in the development plan.

Also, you are explicitly allowed to put it on multiple computers.
It's on my desktop permanently, and I'll run it on my laptop when I go mobile.



---
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```

34. [aprssig] Re: anyone using 802.11b?

From: David VanHorn <dvanhorn@cedar.net>
Date: Wed, 03 Apr 2002 23:58:19 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-72210-2002.04.03-23.31.24--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

```
>
>(just checking to see if dave is reading))

Dave owns one, and has for about 8 months. :)


---
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```

35. [aprssig] Re: PCSAT - Telemetry Query

From: Ken Collins <g4fip@btinternet.com>
Date: Thu, 4 Apr 2002 06:28:01 +0000
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-72222-2002.04.04-01.03.06--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

```
In message
<LYR26201-71880-2002.04.02-09.48.13--g4fip#btinternet.com@lists.tapr.org>
, Ken Collins <g4fip@btinternet.com> writes
>>Run PCSAT.EXE and the telemetry graphics page has a graphics window
>>that shows the state of each bit and what each bit represents...
>
>Thanks for all that information Bob!
>
>I've passed it along on the PR network.

The above was in response to a bulletin which appeared on the PR
network.

I have now received a direct  message from the other station.

As others, especially Bob, might be interested in the contents, I am
appending it below.
```

Again, many thanks for your help Bob!

```
------------------------------------------------------------------------
--------------
 From        :DK5UG @DB0MW.#HES.DEU.EU
To          :G4FIP
Date/time   :03-Apr 08:03
Message #   :174076
Title       :thank you!
Path:
!GB7HOL!GB7WIS!GB7TUT!GB7CIP!GB7SXE!ON0CK!PI8JOP!DB0OVN!DK0MWX!DB0EAM!DB0
SIF!DB0IDN!
R:020403/0803z @:DB0MW.#HES.DEU.EU [Bad Hersfeld - Mitten drin -]
bcm1.43p
```

From: DK5UG @ DB0MW.#HES.DEU.EU (August)
To: G4FIP @ GB7HOL.#22.GBR.EU
X-Info: No login password

Hello Ken,
YES, indeed, these informations do help.
Now I can finish up the work an a PCSat-telemetry-decoder
which I am programming together with some students at a
nearby school. The young people (age 14) try to understand
some of the satellite techniques.

Of course, there do exist telemetry-decoders already, but
either they use TNCs (PCSAT.EXE) or they require WinXX-
machines (UI-View).

In our case, we wanted to use KISS-protocol modems (AS52
for 1k2 and AS96 for 9k6) and also learn a lot about AX.25-
packet-radio-encoding.

Thank you for your help!

73, August

PS. I have no regular access to the Internet.
May I invite you, to visit
www.aatis.de
www.amateurfunkjugend.de
www.funktreff.de and there -> DL0PVD
?
Here you find the activities that I have the honour to
assist. Unfortunately all in german language, but some
of the phrases around amateur radio stuff may look
familiar anyway. :-)

--
Ken Collins - G4FIP
E-mail:- g4fip@btinternet.com
http://www.btinternet.com/~g4fip

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36. [aprssig] Re: anyone using 802.11b?

From: "Robert M. Butts" <kb5yqh@arrl.net>
Date: Thu, 4 Apr 2002 0:41:23
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-72223-2002.04.04-01.14.53--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Hey Bob,

There's a great discussion of this going on right now on qrz.com.

It's "Inexpensive high-speed packet is here".   I recently ordered some high-gain antennas and cables with reverse-polarity TNC connectors (to fit a Linksys WAP) from an ebay store. The whole setup (2 WAPS, 2 antennas and 2 cables) was less than $350.   The 1st 6 channels of 802.11b overlap the ham bands so (the current interpretation of the regs is) you can boost the ERP out of part 15 limits. Part 97 regs have become fairly liberal.

http://www.qsl.net/kb9mwr/projects/wireless/clarify.html

Anyway, some folks have achieved 20 miles with 20+ db antennas and < watt.
So far, with my setup, I've haven't quite hit 10. LOS is critical! Anyway
it makes a GREAT highspeed TCP/IP link for APRS. You can easilly use
existing APRS software.

Here's some links to the TONS of info out there on this subject.

Here's the frequency map:
http://www.qsl.net/kb9mwr/projects/wireless/dssfreq.html

There are TONS of info files in this folder:
http://www.qsl.net/kb9mwr/projects/wireless

http://sdots.com/wireless/build.html

This CERTAINLY has the potential to take off soon given the decreasing
costs of the commercial (part 15) gear. Mobile and portable systems are
easily possible as is VOIP and LAN/MAN/WAN application. Wow!

We're really fortunate (for once) in some ways that this stuff shares the
2.4 GHz band. Never thought I'd say THAT <G>.

73!

Bob, KB5YQH

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---

37. [aprssig] RE: 802.11b info

From: "Bob D." <n2iph@comcast.net>
Date: Thu, 04 Apr 2002 04:43:25 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-72231-2002.04.04-04.16.25--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Take a look at the following:

http://www.qsl.net/n9zia/index.html

http://www.qsl.net/kb9mwr/projects/wireless/plan.html

http://www.amateurbroadband.net/

http://opensource.instant802.com/home.php

this last one gives info on reprogramming a WAP to run LINUX
and turns your WAP into a Ham only device.

Bob D.
N2IPH

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---

38. [aprssig] Re: [OZAPRS] Help with APRS Spec

From: Hamish Moffatt <hamish@cloud.net.au>
Date: Thu, 4 Apr 2002 21:40:15 +1000
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-72235-2002.04.04-06.17.41--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

On Wed, Apr 03, 2002 at 08:16:55PM +1000, Andrew Rich wrote:
> If I heard:-
>
> VK4TEC-9>RW34Q4,VK4GME-3*,WIDE <UI R>:'Q]GoK+>/]"4O}TM-D700
>
> And I wanted to "replay" this later, would it be:-

>
> VK4TEC>APRS,RELAY <UI>:}VK4TEC-9>RW34Q4,VK4GME-3* <UI
> R>:'Q]GoK+>/]"4O}TM-D700

"<UI R>", "<UI>" etc are not part of the packet, they are being
inserted by your TNC when it receives those packets. So you
should not transmit them in the replay.

For that matter, so is the FROM>TO format; they are seperate
fields in the AX.25 header really.

You would actually be hearing

VK4TEC-9>RW34Q4,VK4GME-3*,WIDE:'Q]GoK+>/]"4O}TM-D700

so you should retransmit

VK4TEC>APRS,RELAY:}VK4TEC-9>RW34Q4,VK4GME-3*:'Q]GoK+>/]"4O}TM-D700

I think. I haven't checked the spec. My point was that the <UI>
parts are not really there.

Hamish
--
Hamish Moffatt VK3SB <hamish@debian.org> <hamish@cloud.net.au>

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39. [aprssig] re: swift weaterh software avail

From: Robert W Burton <kd4ydc@juno.com>
Date: Thu, 4 Apr 2002 06:58:37 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-72236-2002.04.04-06.34.34--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

That is cool software!
Do you have to have any other subscriptions for the radar (such as
weathertap, etc.)?
What about over laying other positions? Could this be done manual or
better yet...maybe a APRS feed on top of this? Would be cool if you
could parse out certain stations and have it automatically overlay it!

Robert
KD4YDC

Subject: swift weather software avail
From: RWendel@aol.com
Date: Wed, 3 Apr 2002 20:18:02 EST
X-Message-Number: 3

In case some of you mobile trackers are into weather stuff,
http://www.swiftwx.com has now launched its weather mapping and radar
software. You can run it at home (without GPS), or use it mobile if you
have
mobile-internet access, plus you can run your GPS and spot your location
in
relation to the radar/storm as you are out spotting. It's pretty
slick...I
run mine at home just to keep updated radar maps, and you can
pre-determine
auto download time intervals of your pre-selected radars, satellite, and
analysis maps. You can purchase the download or order the CD and
immediately
download the software while it's being shipped. It's pretty slick.

Randy km0d
Bloomington MN

____
GET INTERNET ACCESS FROM JUNO!
Juno offers FREE or PREMIUM Internet access for less!
Join Juno today! For your FREE software, visit:
http://dl.www.juno.com/get/web/.

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40. [aprssig] Oh Joy......

From: "W5JSR" <w5jsr@arrl.net>
Date: Thu, 4 Apr 2002 07:18:50 -0600
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: "Joseph F. Thiel" <n5smn@sbcglobal.net>
Message-ID: <LYR842-72241-2002.04.04-07.52.43--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Well, in an effort to utilize APRS at the annual 'Lewis & Clark Adventure Race' event and to announce the event, I made use of the ANNOUNCEMENT capability on winAPRS. The Race involves more that 50 teams of 4 persons each, over a course of 100 miles in which the racers do Orienteering, Canoeing, Rock Climbing, Rappelling, Mountain Biking and Running over a 36 hour period. Ham radio, and this year APRS, is the BACKBONE of Communications for check points and Emergency Services. Apparently, utilizing APRS to recruit help is not acceptable? Politically correct?

See below:

On Tuesday Joseph F. Thiel, n5smn@sbcglobal.net, writes:

Jeffery, suggest you should send out APRS Bulletins to local RF stations only, not everyone connected to the aprs.net servers. Most people have no need to see 19 or more, e.g., BLNA thru BLNU, lines of 'Bulletins' on their system in other parts of the world.

To which I reply:

I can't control that.

To which Joseph F. Thiel, n5smn@sbcglobal.net, responds with:

I have added W5JSR-10 to the 'Ignore ALL packets' list in the Austin, TX IGATE.

I guess ABC has it right! We have become rude people! If a few little bits of information get people to fly off the cuff and start micro-managing this hobby, BUDLISTing and complaining, well, that is the end of it!

Oh well, I will continue to use APRS via RF as I have for almost 10 years now, and those of you who don't like it, well, you know where you can stick it!

Oh yeah, if your in Austin, TX, well, maybe there is an IGATE that needs to be BOYCOTTED!

73's to all!

Scott, W5JSR

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41. [aprssig] Re: Oh Joy......

From: "Ronald Reams" <wa4mjf@worldnet.att.net>
Date: Thu, 4 Apr 2002 08:31:49 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-72242-2002.04.04-08.05.11--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Sounds like Joe, is a bit of a "rear end".

If you did not send it to his I-Gate then he ought a be smart enuff
to figure out who did. It takes smarts to operate a 'puter to do things
other than EMail and surfin'.

I do all my stuff, even PBBS on RF, 'cuase that what a
ham ticket is for.

I would not worry about him lockin' you out since you did not
send it to him anyhow.

There all sorta folks in the world and ham radio is no different!

73 de Ronnie

----- Original Message -----
From: "W5JSR" <w5jsr@arrl.net>
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: "Joseph F. Thiel" <n5smn@sbcglobal.net>
Sent: Thursday, April 04, 2002 08:18
Subject: [aprssig] Oh Joy......

Well, in an effort to utilize APRS at the annual 'Lewis & Clark Adventure
Race' event and to announce the event, I made use of the ANNOUNCEMENT
capability on winAPRS. The Race involves more that 50 teams of 4 persons
each, over a course of 100 miles in which the racers do Orienteering,
Canoeing, Rock Climbing, Rappelling, Mountain Biking and Running over a 36
hour period. Ham radio, and this year APRS, is the BACKBONE of
Communications for check points and Emergency Services. Apparently,
utilizing APRS to recruit help is not acceptable? Politically correct?

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system in other parts of the world.

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I can't control that.

To which Joseph F. Thiel, n5smn@sbcglobal.net, responds with:

I have added W5JSR-10 to the 'Ignore ALL packets' list in the Austin, TX
IGATE.

I guess ABC has it right! We have become rude people! If a few little bits
of information get people to fly off the cuff and start micro-managing this
hobby, BUDLISTing and complaining, well, that is the end of it!

Oh well, I will continue to use APRS via RF as I have for almost 10 years
now, and those of you who don't like it, well, you know where you can stick
it!

Oh yeah, if your in Austin, TX, well, maybe there is an IGATE that needs to
be BOYCOTTED!

73's to all!

Scott, W5JSR

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42. [aprssig] re: swift weaterh software avail

From: David VanHorn <dvanhorn@cedar.net>
Date: Thu, 04 Apr 2002 09:48:01 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-72252-2002.04.04-09.21.13--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

At 06:58 AM 4/4/2002 -0500, Robert W Burton wrote:
>That is cool software!
>Do you have to have any other subscriptions for the radar (such as
>weathertap, etc.)?

You could put in images from subscription sources, but you don't have to.

>What about over laying other positions? Could this be done manual or
>better yet...maybe a APRS feed on top of this? Would be cool if you
>could parse out certain stations and have it automatically overlay it!

It's coming.

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43. [aprssig] Re: Oh Joy......

From: Guy.Story@levi.flyingpig.net, KC5GOI <kc5goi@kc5goi.net>
Date: Thu, 4 Apr 2002 08:50:59 -0600
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-72257-2002.04.04-09.32.26--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Ronald, your bulletin should not have gone out his rf port unless his IGATE
in configured to gate your call. You are right, no one can control the what
gets to the internet stream, they can control what they gate out.

73

Guy Story, KC5GOI

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44. [aprssig] replied to wrong post

From: Guy.Story@levi.flyingpig.net, KC5GOI <kc5goi@kc5goi.net>
Date: Thu, 4 Apr 2002 08:52:38 -0600
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: APRS SIG <aprssig@lists.tapr.org>
Message-ID: <LYR842-72258-2002.04.04-09.34.11--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Opps, replied to the wrong email. I meant that one to go to Scott not
Ronald.

Sorry about that.

73

Guy

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Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

45. [aprssig] Re: replied to wrong post

From: "Ronald Reams" <wa4mjf@worldnet.att.net>
Date: Thu, 4 Apr 2002 10:11:07 -0500

To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: "APRS Sig" <aprssig@lists.tapr.org>
Message-ID: <LYR842-72261-2002.04.04-09.44.32--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Quite, alright, Guy. I said
about the same thing.

73 de Ronnie
----- Original Message -----
From: <Guy.Story@levi.flyingpig.net>; "KC5GOI" <kc5goi@kc5goi.net>
To: "Ronald Reams" <wa4mjf@worldnet.att.net>
Cc: "APRS SIG" <aprssig@lists.tapr.org>
Sent: Thursday, April 04, 2002 09:52
Subject: replied to wrong post

Opps, replied to the wrong email. I meant that one to go to Scott not
Ronald.

Sorry about that.

73

Guy

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---

46. [aprssig] Re: anyone using 802.11b?

From: "hasan schiers" <schiers@netins.net>
Date: Thu, 4 Apr 2002 10:48:52 -0600
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-72274-2002.04.04-11.53.53--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

My comments below come under the "Every silver lining in the clouds was
probably stolen from a mint." rubrick. (tounge in cheek, guys....don't take
my comments too seriously, however accurate they might be.

...hasan

----- Original Message -----
From: "Robert M. Butts" <kb5yqh@arrl.net>
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Sent: Thursday, April 04, 2002 12:41 AM
Subject: [aprssig] Re: anyone using 802.11b?

> This CERTAINLY has the potential to take off soon given the decreasing
> costs of the commercial (part 15) gear. Mobile and portable systems are
> easily possible as is VOIP and LAN/MAN/WAN application. Wow!
>
>
> We're really fortunate (for once) in some ways that this stuff shares the
> 2.4 GHz band. Never thought I'd say THAT <G>

Read "unfortunate" if you are active and/or interested in Amsat Oscar 40
where these marauding Part 15 devices completely trash the AO-40 Downlink on
2401 Mhz. It's interesting that they are supposed to be restricted from
causing or suffering from interference from a licensed service like ham
radio, but the powers that be are afraid if push comes to shove with the FCC
over enforcing this non-interference rule from/to Part 15 devices that the
FCC will merely change the rules and we could lose the band entirely. Talk
about encroachment! Now the rules mean nothing...it's all about numbers.
There are a ton of 2.4 gig Part 15 devices/users out there and only a
smattering of hams, so the rules don't mean a darn thing.

The result is our only resource on AO-40 has been severly compromised by the
"fortunate" use of 2.4 gig Part 15 devices. Between these Part 15 Devices
and Pave Paws radar, AO-40 has its hands full. Hardly anyone in the
satellite community is celebrating, I can assure you.

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47. [aprssig] worlds largest weather website to be axxed soon

From: "Glen Briggs (KB0RPJ) - aka wx" <wx@grundyec.net>
Date: Thu, 04 Apr 2002 11:36:54 -0600
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-72278-2002.04.04-12.10.26--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

iwin.nws.noaa.gov the worlds largest weather website will be getting the
axe soon, it will be replaced by weather.gov

it also appears that any complaining on our part would be useless, as this
appears to be a done deal.
Thanks for your time,

Glen Briggs
IRC: wx - DALnet & AustNET
E-Mail: wx@grundyec.net
ICQ: 1133850
http://www.qsl.net/kb0rpj/
KB0RPJ

I've learned that we are responsible for what we do, unless we are
celebrities. :-)

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48. [aprssig] Re: worlds largest weather website to be axxed soon

From: Alex <kr1st@amsat.org>
Date: Thu, 04 Apr 2002 13:13:46 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: TAPR APRS Special Interest Group <aprssig@lists.tapr.org>
Message-ID: <LYR842-72280-2002.04.04-12.47.10--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Where did you learn this?

Weather.gov simply points to http://www.nws.noaa.gov/ and unless I
missed something, I see no mention of the fact that the iwin site is
going to disappear, not even on the iwin web site.

73s,
--Alex

"Glen Briggs (KB0RPJ) - aka wx" wrote:
>
> iwin.nws.noaa.gov the worlds largest weather website will be getting the
> axe soon, it will be replaced by weather.gov

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Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

49. [aprssig] re: swift weaterh software avail

From: Steve Dimse <k4hg@tapr.org>
Date: Thu, 4 Apr 2002 13:51:04 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-72287-2002.04.04-13.24.28--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

>What about over laying other positions? Could this be done manual or
>better yet...maybe a APRS feed on top of this? Would be cool if you
>could parse out certain stations and have it automatically overlay it!
>
In case you aren't aware, this capability exists within findU:

http://www.findu.com/cgi-bin/radar-find.cgi?call=*&radar=byx&zoom=3

I used the zoom so the stations spread out a little. You can also cut a portion

```
of the image surrounding a station:

http://www.findu.com/cgi-bin/radar-find.cgi?call=k4hg-8&offsetx=200&offsety=200&
zoom=3

and even hide the station so as not miss any of the data:

http://www.findu.com/cgi-bin/radar-find.cgi?call=k4hg-8&offsetx=200&offsety=200&
zoom=3&nocall=1

Steve K4HG

---
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To unsubscribe send a blank email to leave-aprssig-842K@lists.tapr.org
Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org
```

---

50. [aprssig] re: swift weaterh software avail

From: "AE5PL Lists" <HamLists@ametx.com>
Date: Thu, 4 Apr 2002 13:08:18 -0600
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-72289-2002.04.04-13.41.40--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

```
Also, http://findu.ae5pl.net can map stations on NWS radar maps (select
"Stations Near on Weather Radar") using javAPRS.  The stations are
plotted from a live Internet feed and javAPRS downloads a new radar gif
every 5 minutes (the maximum rate that the NWS updates the gifs).  You
can also tell javAPRS to display only specific stations.

javAPRS can place live reports on any gif or jpeg.  This is how it plots
on NWS radar, MapBlast, and Expedia maps.

73,

Pete Loveall AE5PL
http://www.ae5pl.net
mailto:pete@ae5pl.net


> -----Original Message-----
> From: Steve Dimse [mailto:k4hg@tapr.org]
> Posted At: Thursday, April 04, 2002 12:53 PM
> Subject: [aprssig] re: swift weaterh software avail
>
> >What about over laying other positions?  Could this be done manual or
> >better yet...maybe a APRS feed on top of this?  Would be cool if you
> >could parse out certain stations and have it automatically
> overlay it!
> >
> In case you aren't aware, this capability exists within findU:

---
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Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org
```

---

51. [aprssig] Re: anyone using 802.11b?

From: Bill Vodall - WA7NWP <wa7nwp@yahoo.com>
Date: Thu, 04 Apr 2002 11:09:13 -0800
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: seatcp@wetnet.wa.com (Wetnet)
Message-ID: <LYR842-72292-2002.04.04-13.44.31--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

```
>Read "unfortunate" if you are active and/or interested in Amsat Oscar 40
>where these marauding Part 15 devices completely trash the AO-40 Downlink on 2401 Mhz.
>
>The result is our only resource on AO-40 has been severly compromised by the
>"fortunate" use of 2.4 gig Part 15 devices. Between these Part 15 Devices
>and Pave Paws radar, AO-40 has its hands full. Hardly anyone in  the
>satellite community is celebrating, I can assure you.

802.11b effectively has three non-overlapping channels...  1, 6, and 11.   As I
understand it, without doing definitive research, 1 is completely in the ham band.
Channel 11 is completely outside it.   I'm setting my own 802.11b equipment to channel 11
and I'm requesting that other local users do the same - when feasible.   Use of
channel 11 should at least reduce the interference to the AO-40 downlink.
```

It's fascinating watching the local 802.11b network group, http://www.seattlewireless.net,
working through and relearning the same networking lessons we amateurs did with TCP/IP
on RF in the past 5 to 10 years. Things have changed.   Now they have cheap equipment,
incredibly higher speeds (11,000,000 bps vs 1200 bps APRS) and none of the silly regulatory
restrictions.

It's incredible watching the efforts and attention to detail these non-RF hobbyists are
going through to get good RF signals. They're building working miliwatt Microwave systems.
Way cool!

802.11b is an incredible complement to Amateur data...   It gives full speed connectivity
for that last "100 feet" to the Amateur system.   One of the fellows in the local wetnet group,
(Amateur TCP/IP networking - http://www.wetnet.net) has a full linux server in his jeep complete
with 802.11b hub, 144.39 APRS radio and TCP/IP connectivity to the Internet on UHF packet.
I installed JavAPRS on the hub.   Several of us were in the cafe, using 802.11b to connect to
the hub, watching local APRS traffic on JavAPRS. Several others were using Xastir to connect,
via TCP/IP on 802.11b, to APRSD on the hub for their APRS connection.

73,
Bill - WA7NWP

PS. The much touted Pringles Can antenna has been found to be much overrated. Other
cans have better metals and physical sizes..

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52. [aprssig] Re: worlds largest weather website to be axxed soon

From: Alex <kr1st@amsat.org>
Date: Thu, 04 Apr 2002 14:29:46 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: TAPR APRS Special Interest Group <aprssig@lists.tapr.org>
Message-ID: <LYR842-72299-2002.04.04-14.03.09--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Thanks a bunch!

73s,
--Alex

Doug Graves wrote:
>
> Found at
>
> http://iwin.nws.noaa.gov/iwin/whatsnew.html

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---

53. [aprssig] WINAPRS not decoding position packets?

From: "Brian Webster" <bwebster@dcitowers.com>
Date: Thu, 4 Apr 2002 14:47:22 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-72303-2002.04.04-14.14.30--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Is there any reason that WINAPRS ver 2.5.1 is not decoding the following
position packet when versions 2.4.9 and earlier do?

```
W2RGI*>W2RGI>ID:TheNet X-1J4  (OTSEGO)
!4226.15NT07500.40W#PHG5850/WIDE-RELAY...Otsego County APRS Digi - Oneonta
```

Maybe I'm just missing something, but was concerned there might be a bug.

Thank you,
Brian N2KGC

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54. [aprssig] Re: anyone using 802.11b?

From: "Mike Yetsko" <myetsko@insydesw.com>
Date: Thu, 4 Apr 2002 15:28:16 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-72319-2002.04.04-15.00.53--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

I just got the new Ramsey catalog in the mail today, and it has a page dedicated to 2.4G network extention antenns. One omni antenna, and two dishes... He even sells an adapter for Linksys and Cicso equipment to hook to standard N fittings.

Mike

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---

55. [aprssig] NOSaprs 1.12 is ready with brand new documentation

From: Maiko Langelaar <maiko@slmsoft.com>
Date: Thu, 04 Apr 2002 15:35:41 -0600
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-72333-2002.04.04-16.13.31--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Greetings,

I am pleased to release NOSaprs 1.12 to the masses, with brand new documentation in HTML, RTF, Word, and PDF formats.

NOSaprs is an APRS Server and Internet Gateway (Igate) integrated into the NOS itself. Those people already running JNOS or TNOS gateways can easily start to support their local APRS community by simply compiling in the new services, or by getting a NOS binary that contains the new services. Then it's just matter of adding a few extra commands to the autoexec.nos file.

Use an existing RF port (to create the ultimate zoo channel), or add a new RF port for 144.390, or add multiple RF ports to take care of more than one frequency, or use 9600 baud or higher, or use AXIP or AXUDP to grab APRS data from other internet gateways around the world. The NOS environment has the potential to provide a wide variety of options.

For complete information, update kits, documentation, and other stuff, please visit the official NOSaprs website at the following URL :

http://www.qsl.net/ve4klm/packet/aprss.html

73 Maiko / VE4KLM

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Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

---

56. [aprssig] Palm APRS

From: deunju@juno.com
Date: Wed, 3 Apr 2002 16:53:11 -0600
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-72339-2002.04.04-16.59.08--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

I have loaded palm aprs on to a Palm M500. I have interfaced a GArmin 45XL GPS to it. I know the gps is talking to the palm as I see the data from the gps on the terminal screen. I do not see my location on the screen. Is it possible to see yourself on the screen using a gps only?
Dale Urban N0KQX
Garden City Ks.

____
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---

57. [aprssig] KISSGEN, another Cybiko friend

From: Alex <kr1st@amsat.org>
Date: Thu, 04 Apr 2002 18:32:34 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-72353-2002.04.04-18.06.25--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Hi there,

I wrote a little Windows (Win32) command line program that generates
KISS frames from a file containing TNC-2 type frames. These KISS frames
are being sent to a serial port at a certain interval. The user can
specify which port, the speed and at what interval the frames need to be
sent. I needed this to test my Cybiko applications and thought others
may benefit from it, too.

You can download KISSGEN (free, of course) from my web site at:

http://www.qsl.net/kr1st

Thanks and 73s,

--Alex (KR1ST)
http://www.qsl.net/kr1st

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58. [aprssig] Re: KISSGEN, another Cybiko friend

From: David VanHorn <dvanhorn@cedar.net>
Date: Thu, 04 Apr 2002 18:38:36 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-72355-2002.04.04-18.11.44--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

At 06:32 PM 4/4/2002 -0500, Alex wrote:
>Hi there,
>
>I wrote a little Windows (Win32) command line program that generates
>KISS frames from a file containing TNC-2 type frames. These KISS frames
>are being sent to a serial port at a certain interval. The user can
>specify which port, the speed and at what interval the frames need to be
>sent. I needed this to test my Cybiko applications and thought others
>may benefit from it, too.
>
>You can download KISSGEN (free, of course) from my web site at:
>
>http://www.qsl.net/kr1st

That will come in very handy, thanks much.

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---

59. [aprssig] Re: anyone using 802.11b?

From: "jeff king" <jking@aerodata.net>
Date: Thu, 4 Apr 2002 21:58:38 -0600
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-72383-2002.04.04-22.32.11--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Hasan Schiers wrote:

> Read "unfortunate" if you are active and/or interested in Amsat Oscar
40
> where these marauding Part 15 devices completely trash the AO-40
Downlink on

> 2401 Mhz.It's interesting that they are supposed to be restricted from
> causing or suffering from interference from a licensed service like
ham
> radio, but the powers that be are afraid if push comes to shove with
the FCC
> over enforcing this non-interference rule from/to Part 15 devices
that the
> FCC will merely change the rules and we could lose the band entirely.

Don't tell Darwin Networks that. If you willing to put a little effort
into tracking them down, the FCC will do something, although I suspect
it has to be a griveous case. Going after the teenager on the 2.4ghz
cell phone is going to be tough.

See:

http://www.arrl.org/news/stories/2001/02/15/2/

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Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

60. [aprssig] Re: anyone using 802.11b?

From: "jeff king" <jking@aerodata.net>
Date: Thu, 4 Apr 2002 22:16:45 -0600
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-72385-2002.04.04-22.50.13--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Robert Butts wrote:

> ham bands so (the current interpretation of the regs is) you can
boost the
> ERP out of part 15 limits.

For point to point part 15 on 2.4ghz there is no hard ERP limit. Check
it out yourself if you don't believe me. The FCC has a formula for PtP
links.... for every 1db power below 30dBm (1 watt) you go, you can add
3 db of antenna gain to the allowed 6db (at 1 watt). So for your 100mw
Linksys (20dBm) you are 10 db below 30dBm, which allows you to add 30db
gain to the 6db gain allowed... a total gain of 36db for your antenna
which would give you a ERP of 56dBm (20+36) or 400watts ERP on part 15.

For point to multipoint, the limit is 36dBm (4 watts erp).

>Part 97 regs have become fairly liberal.

Not really. We can't run over 1 watt on han spread spectrum unless we
implement automatic power control. While we got the ability to use any
spreading codes we wanted (which allowed us to use Part 15 gear) we
also got our power limit reduced to the same as Part 15 gear unless you
implement automatic power control.

Still quite a bit you can do with it though.

73

Jeff

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61. [aprssig] Re: worlds largest weather website to be axxed soon

From: Mark Fellhauer <sparkfel@qwest.net>
Date: Thu, 04 Apr 2002 22:25:46 -0600
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-72386-2002.04.04-23.01.11--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

At 11:36 AM 4/4/02, Glen Briggs (KB0RPJ) - aka wx wrote:

>iwin.nws.noaa.gov the worlds largest weather website will be getting the
>axe soon, it will be replaced by weather.gov

>
>it also appears that any complaining on our part would be useless, as this
>appears to be a done deal.
>Thanks for your time,

Well for one, the term, "getting the axe" means something. It means terminated, ended, finished, chopped down...

From what I see, they're just renaming their official site to something more simple, actually intuitive. Something that's easier to remember and to type. That's hardly "getting the axe."

Furthermore, why would anyone complain about this? Oh no, I'll have to change a bookmark! I'll have to type less characters to go directly to a web site. I'm gonna write my congressman about this... That darn government simplifying things and making it easier to get information....

Mark
KC7BXS

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62. [aprssig] Re: anyone using 802.11b?

From: "Brian B. Riley \(N1BQ\) ListAcct" <n1bq_list@wulfden.org>
Date: Fri, 5 Apr 2002 00:08:54 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-72398-2002.04.04-23.42.28--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Well now, I find this interesting and have had reason to be pondering it already. I have an 802.11b wirelss network on my wired network here at home, and, am in the process of gearing up for AO-40. I spent some time talking with our local AMSAT coordinator who is very active and very knowledgeable. He was of the opinion that a well setup downlink receiver/antenna combo should be at worst minimally influenced since you are pointing a high gain antenna at the sky. The noise floor on 2.4 G would be raised somewhat if your laptop had a wireless card plugged in sitting in close prximity to the antenna,first conversion area.

just my $.02 ... bbr, n1bq

-----Original Message-----
From: bounce-aprssig-25883@lists.tapr.org
[mailto:bounce-aprssig-25883@lists.tapr.org]On Behalf Of hasan schiers
Sent: Thursday, April 04, 2002 11:49 AM
To: TAPR APRS Special Interest Group
Subject: [aprssig] Re: anyone using 802.11b?

My comments below come under the "Every silver lining in the clouds was probably stolen from a mint." rubrick. (tounge in cheek, guys....don't take my comments too seriously, however accurate they might be.

...hasan

----- Original Message -----
From: "Robert M. Butts" <kb5yqh@arrl.net>
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Sent: Thursday, April 04, 2002 12:41 AM
Subject: [aprssig] Re: anyone using 802.11b?

> This CERTAINLY has the potential to take off soon given the decreasing
> costs of the commercial (part 15) gear. Mobile and portable systems are
> easily possible as is VOIP and LAN/MAN/WAN application. Wow!
>
>
> We're really fortunate (for once) in some ways that this stuff shares the
> 2.4 GHz band. Never thought I'd say THAT <G>

Read "unfortunate" if you are active and/or interested in Amsat Oscar 40 where these marauding Part 15 devices completely trash the AO-40 Downlink on 2401 Mhz. It's interesting that they are supposed to be restricted from causing or suffering from interference from a licensed service like ham radio, but the powers that be are afraid if push comes to shove with the FCC over enforcing this non-interference rule from/to Part 15 devices that the FCC will merely change the rules and we could lose the band entirely. Talk about encroachment! Now the rules mean nothing...it's all about numbers. There are a ton of 2.4 gig Part 15 devices/users out there and only a smattering of hams, so the rules don't mean a darn thing.

The result is our only resource on AO-40 has been severly compromised by the "fortunate" use of 2.4 gig Part 15 devices. Between these Part 15 Devices and Pave Paws radar, AO-40 has its hands full. Hardly anyone in the satellite community is celebrating, I can assure you.

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Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

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63. [aprssig] Re: worlds largest weather website to be axxed soon

From: "Glen Briggs (KB0RPJ) - aka wx" <wx@grundyec.net>
Date: Fri, 05 Apr 2002 00:06:43 -0600
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>,
TAPR APRS Special Interest Group <aprssig@lists.tapr.org>
Message-ID: <LYR842-72409-2002.04.05-00.40.46--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

check out the what's new section on iwin...

also.. it's http://weather.gov

At 12:13 PM 4/4/2002, Alex wrote:
>Where did you learn this?
>
>Weather.gov simply points to http://www.nws.noaa.gov/ and unless I
>missed something, I see no mention of the fact that the iwin site is
>going to disappear, not even on the iwin web site.
>
>73s,
>--Alex
>
>
>"Glen Briggs (KB0RPJ) - aka wx" wrote:
> >
> > iwin.nws.noaa.gov the worlds largest weather website will be getting the
> > axe soon, it will be replaced by weather.gov
>
>---
>You are currently subscribed to aprssig as: wx@grundyec.net
>To unsubscribe send a blank email to leave-aprssig-842K@lists.tapr.org
>Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

Thanks for your time,

Glen Briggs
IRC: wx - DALnet & AustNET
E-Mail: wx@grundyec.net
ICQ: 1133850
http://www.qsl.net/kb0rpj/
KB0RPJ

I've learned that we are responsible for what we do, unless we are

```
celebrities. :-)
---


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```

64. [aprssig] Re: aprssig digest: April 04, 2002

```
From: "Wolf Hoeller" <wolf.hoeller@gmx.net>
Date: Fri, 5 Apr 2002 08:46:38 +0200
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-72416-2002.04.05-01.20.28--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain
```

```
Hi Robert et al!

----- Original Message -----
> Subject: Re: anyone using 802.11b?
> From: "Robert M. Butts" <kb5yqh@arrl.net>
> Date: Thu, 4 Apr 2002 0:41:23
> X-Message-Number: 2
>
> Hey Bob,
>
> There's a great discussion of this going on right now on qrz.com.
>
> It's "Inexpensive high-speed packet is here".    I recently ordered some
> high-gain antennas and cables with reverse-polarity TNC connectors (to fit
> a Linksys WAP) from an ebay store.  The whole setup (2 WAPS, 2 antennas
and
> 2 cables) was less than $350.   The 1st 6 channels of 802.11b overlap the
> ham bands so (the current interpretation of the regs is) you can boost the
> ERP out of part 15 limits.  Part 97 regs have become fairly liberal.
>
> http://www.qsl.net/kb9mwr/projects/wireless/clarify.html
>
> Anyway, some folks have achieved 20 miles with 20+ db antennas and < watt.
> So far, with my setup, I've haven't quite hit 10.  LOS is critical!
Anyway
> it makes a GREAT highspeed TCP/IP link for APRS.  You can easilly use
> existing APRS software.
>
It's nice to see the experiments with 802.11xx equipment.

BUT: Europeans be aware: Most of the european telco authorities decided,
that is *not* legal to use WLAN devices in ham band segments! Because it is
not a legal mode for hams and it is not legal to boost the WLAN devices to
higher power !
We noticed an very fast and high increasing of noise on 2.4GHz around the
satellite downlink frequencies.
So please think about this circumstances when you intend to use such WLAN's
for ham purpose or near space frequencies!

73 de Wolf, OE7FTJ
mailto:oe7ftj(at)gmx.at
AX.25-mail: oe7ftj@oe7xwr.#oe7.aut.eu
Have a look where I am: http://map.findu.com/oe7ftj-*




---
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```

65. [aprssig] Callsign and Identity Theft

```
From: "Jamie R. Dean" <ke4htm@bellsouth.net>
Date: Fri, 5 Apr 2002 08:58:22 -0000
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-72420-2002.04.05-03.31.57--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain
```

```
The ones on the SIG that know me know that since 1996 I have had a
bootlegger using my callsign on 2 meter, HF and even CB also on APRS. I have
also had my name used to open many accounts on the internet. I have looked
```

to many goverment agencies for help and recieved very little. So I have
created a web site to cronical the events that have lead to the theft, the
things that have happened due to the theft, what each goverement offical and
agency has done and where I stand now. The site is at
http://www.geocities.com/any_justice The reason I bring this to the SIG is
the bootlegger was a fellow ham, he once was a member of this SIG. I am
trying to let people know that if you don't protect yourself on-line and in
real life you could end up a target too. If this may interest you please
visit the site. If not then I am very sorry I have wasted your time.

73 and thanks for the use of the SIG,

Jamie R. Dean

Amateur Radio Callsign..: KE4HTM
E-Mail..: ke4htm@bellsouth.net
Six Meter Sked DX Group (Moderator/Owner)..: 6meter-owner@yahoogroups.com
Personal Web Site..: http://www.geocities.com/any_justice
Six Meter Sked DX Group..: http://groups.yahoo.com/group/6meter/
NC USAF MARS Site: http://www.geocities.com/NC_MARS/
QRZ Info. Page..: http://www.qrz.com/callsign/ke4htm
No-Code International..: 1419
Six Meters Six Club World Wide..: 1749
Grid Square..: EM95dr

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---

66. [aprssig] Re: anyone using 802.11b? Darwin Networks

From: "Mike Yetsko" <myetsko@insydesw.com>
Date: Fri, 5 Apr 2002 06:42:16 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-72425-2002.04.05-06.14.53--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

That was over a year ago, but I see no follow-up to the story. Is that
network still up an operating?

Mike

----- Original Message -----
From: "jeff king" <jking@aerodata.net>
>
> Don't tell Darwin Networks that. If you willing to put a little effort
> into tracking them down, the FCC will do something, although I suspect
> it has to be a griveous case. Going after the teenager on the 2.4ghz
> cell phone is going to be tough.
>
> See:
>
> http://www.arrl.org/news/stories/2001/02/15/2/
>

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67. [aprssig] Re: anyone using 802.11b?

From: "hasan schiers" <schiers@netins.net>
Date: Fri, 5 Apr 2002 05:59:02 -0600
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-72427-2002.04.05-06.32.33--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Brian,

If you read the amsat-bb list, you will find that things aren't as "ducky"
as your friend indicated. Two problems seem to arise, and not every person
with wireless has them, but many do. Broadband noise and "spikes" from Part
15 devices. The worst offenders are telephones, but similar problems have

been reported with with wireless internet.

I had it here...and believe me, it was not the "minor" problem noted by your buddy. I no longer have wireless internet.

You might be one of the lucky ones, I sure hope so. The principle remains the same, we are subject to interference from these non-licensed devices with little recourse, so being a licensed service doesn't really provide the protection the rules supposedly provide.

I've heard of no case where the offending signal from a ham caused the ham to have to do anything. The real problem is the interference generated by the Part 15 devices to ham receivers. Good luck, and hope to see you on AO-40.

hasan schiers, N0AN

schiers@netins.net
or use amsat.org or arrl.net remailer
----- Original Message -----
From: "Brian B. Riley (N1BQ) ListAcct" <n1bq_list@wulfden.org>
To: "hasan schiers" <schiers@netins.net>; "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Sent: Thursday, April 04, 2002 11:08 PM
Subject: RE: [aprssig] Re: anyone using 802.11b?

> Well now, I find this interesting and have had reason to be pondering it
> already. I have an 802.11b wirelss network on my wired network here at
home,
> and, am in the process of gearing up for AO-40. I spent some time talking
> with our local AMSAT coordinator who is very active and very
knowledgeable.
> He was of the opinion that a well setup downlink receiver/antenna combo
> should be at worst minimally influenced since you are pointing a high gain
> antenna at the sky. The noise floor on 2.4 G would be raised somewhat if
> your laptop had a wireless card plugged in sitting in close prximity to
the
> antenna,first conversion area.
>
>   just my $.02 ... bbr, n1bq
>
>
> -----Original Message-----
> From: bounce-aprssig-25883@lists.tapr.org
> [mailto:bounce-aprssig-25883@lists.tapr.org]On Behalf Of hasan schiers
> Sent: Thursday, April 04, 2002 11:49 AM
> To: TAPR APRS Special Interest Group
> Subject: [aprssig] Re: anyone using 802.11b?
>
>
> My comments below come under the "Every silver lining in the clouds was
> probably stolen from a mint." rubrick. (tounge in cheek, guys....don't
take
> my comments too seriously, however accurate they might be.
>
> ...hasan
>
> ----- Original Message -----
> From: "Robert M. Butts" <kb5yqh@arrl.net>
> To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
> Sent: Thursday, April 04, 2002 12:41 AM
> Subject: [aprssig] Re: anyone using 802.11b?
>
>
> > This CERTAINLY has the potential to take off soon given the decreasing
> > costs of the commercial (part 15) gear. Mobile and portable systems are
> > easily possible as is VOIP and LAN/MAN/WAN application. Wow!
> >
> >
> > We're really fortunate (for once) in some ways that this stuff shares
the
> > 2.4 GHz band. Never thought I'd say THAT <G>
>
> Read "unfortunate" if you are active and/or interested in Amsat Oscar 40
> where these marauding Part 15 devices completely trash the AO-40 Downlink
on
> 2401 Mhz. It's interesting that they are supposed to be restricted from
> causing or suffering from interference from a licensed service like ham

```
> radio, but the powers that be are afraid if push comes to shove with the
FCC
> over enforcing this non-interference rule from/to Part 15 devices that the
> FCC will merely change the rules and we could lose the band entirely.
Talk
> about encroachment! Now the rules mean nothing...it's all about numbers.
> There are a ton of 2.4 gig Part 15 devices/users out there and only a
> smattering of hams, so the rules don't mean a darn thing.
>
> The result is our only resource on AO-40 has been severly compromised by
the
> "fortunate" use of 2.4 gig Part 15 devices. Between these Part 15 Devices
> and Pave Paws radar, AO-40 has its hands full. Hardly anyone in  the
> satellite community is celebrating, I can assure you.
>
>
> ---
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>
>
>
>
>



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```

68. [aprssig] Re: anyone using 802.11b? Darwin Networks

From: Ralph Fowler <rwf@mindspring.com>
Date: Fri, 05 Apr 2002 09:11:29 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-72433-2002.04.05-08.46.43--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

```
The cited link is no longer available, but this is what I know:
They are out of business. They had lots of various problems.
They were even shut down at one location in Dallas/Ft Worth due to
interfering with a licensed service, (Amateur)  as I understand.


At 06:42 AM 4/5/02 -0500, you wrote:
Begin Quoted Text
>That was over a year ago, but I see no follow-up to the story.  Is that
>network still up an operating?
>
>Mike
>
>----- Original Message -----
>From: "jeff king" <jking@aerodata.net>
> >
> > Don't tell Darwin Networks that. If you willing to put a little effort
> > into tracking them down, the FCC will do something, although I suspect
> > it has to be a griveous case. Going after the teenager on the 2.4ghz
> > cell phone is going to be tough.
> >
> > See:
> >
> > http://www.arrl.org/news/stories/2001/02/15/2/



---
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```

69. [aprssig] javAPRS Findu Update

From: "AE5PL Lists" <HamLists@ametx.com>
Date: Fri, 5 Apr 2002 09:32:35 -0600
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-72441-2002.04.05-10.06.00--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

I have updated certain http://findu.ae5pl.net pages to take a latitude
and longitude instead of a station ID/callsign. There are now two GUI
interfaces: one based on a station ID/callsign being entered and one
based on a grid square or latitude/longitude pair being entered. If you
have links that go directly to one of the .asp pages, those links still
work correctly.

javAPRS Findu is now using javAPRS 2.2 build 17 which has a
map-follows-station function and a dead reckoning function for single
stations.

73,

Pete Loveall AE5PL
http://www.ae5pl.net
mailto:pete@ae5pl.net

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70. [aprssig] Re: anyone using 802.11b? Darwin Networks

From: "Jeff King" <transit_man@hotmail.com>
Date: Fri, 05 Apr 2002 16:08:41 +0000
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-72447-2002.04.05-10.42.11--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

They declared bankruptcy and auctioned all their assets off. The ARRL is a
regular lurker on all the wireless-isp lists.

>From: "Mike Yetsko" <myetsko@insydesw.com>

>That was over a year ago, but I see no follow-up to the story. Is that
>network still up an operating?
>

____
Join the world�s largest e-mail service with MSN Hotmail.
http://www.hotmail.com

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71. [aprssig] More findu server donations

From: "Spider" <spider@rivcom.net>
Date: Fri, 5 Apr 2002 11:15:43 -0700
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-72460-2002.04.05-12.49.21--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Here is the last batch that I received...

Charles (Cap), KE6AFE
Charles, W4CMN
William Jablonske, No Call Given

For a total of $135.00

I'd think by now, we should be getting close to the goal.

Any updated figures????

Jim, WA6OFT

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72. [aprssig] European APRS on 14.105.5

From: Matthew W Stennett <WA4TKG@attbi.com>
Date: Fri, 05 Apr 2002 15:58:31 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-72469-2002.04.05-15.32.03--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Nope; They're STILL Here:

"If we act like they're not here; they'll go AWAY".

```
F6KRK*    04/05/02  15:37:52
F6KRK BLN   1 04/05 15:37 Rendez les modes digitaux aux novices "F0" !!!

F6KRK>APU16N,F5KEE-4*,WIDE,TRACE6-6,WIDE7-7 <UI C>:>052036zDX: F1PRY-14
49.20.00N 2.02.15E 39,4 miles 0x 20:21
F6KRK>APU16N,F5RAC-14,F8KGD-14,F5KEE-4*,TRACE6-5,WIDE7-7 <UI
C>:=4845.81N/00201.89E#Courriel: f6krk@radioamateur.org {UIV23}


F4BNZ*    04/05/02  15:34:51
ON0RCO*   04/05/02  15:34:11
ON0RCO>APU24L,ON6AA,F1PRY-4,F5KCS-2,F1PRY-14,F5KEE-4*,TRACE7-3 <UI
C>:=5113.04N/00253.53E#Digi Oostende {UIV32}


F8KRH     04/05/02  15:32:59 F8KRH>APU16M,WIDE7-5,TRACE7-7 <UI
C>:=/5t/CO+)lm  B@Adrasec/91 - Prefecture de l'Essonne {UIV23}

SV2BBO-1* 04/05/02  15:32:50
SV2BBO-1>APU24P,F5KEE-4*,WIDE6-6,TRACE6-6,GATE <UI
C>:=4037.92N\02257.07EXGREEK PHARMACY APRS STATION {UIV32}

F1PRY-9*  04/05/02  15:32:13
F1PRY-9>TY2TX2,F1PRY-14,F5KEE-4*,TRACE5-3,WIDE <UI R>:'x-"6W>/]"4e}73 s



DK7VK-9*  04/05/02  15:21:55  DK7VK-9>TY2QW9-5,LX0APR*,WIDE5-4
<UI>:`}[wngG>/ TinyTrak  Sepp  OV-Q13


F1BIV*    04/05/02  14:41:02
```

MacRatt Matt;

The "Trouble Maker "

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73. [aprssig] BEACONet^31 on 20-meters [was:European APRS on 14.105.5]

From: "Ev Tupis (W2EV)" <w2ev@arrl.net>
Date: Fri, 05 Apr 2002 16:07:01 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-72470-2002.04.05-15.49.47--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

We're starting to play a little on 20-meters.

BEACONet^31 uses PSK31 (instead of Ax.25) and UI-View configured to transmit position reports using the format:

```
FOR INFO: HTTP://GO.TO/BEACONET
CALLSIGN>CONFCODE-##:[GR##ID]^CRC
```

The first line is simply a preamble to allow time for the PSK31 system to lock-on to the signal. The second line includes 4-components:
o Callisgn
o Configuration Code (optionally, simply use CQ)
o 6-character grid-square between square brackets
o a CRC value that assures the transmission is received correctly

Get the software and setup instructions at the website noted above.

We're playing on 14.094 MHz USB + 1500 hz PSK31 audio.

Just FYI.

Ev, W2EV

btw...all is alive and well on 28.131 MHz USB, too. we're just poking
around on 20-meters for fun right now.

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74. [aprssig] PCsat Status

From: Bob Bruninga <bruninga@usna.edu>
Date: Fri, 5 Apr 2002 19:55:26 -0500 (EST)
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: Robert Bruninga <bruninga@usna.edu>
Message-ID: <LYR842-72503-2002.04.05-19.29.00--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

We are seeing some PCsat improvement.

At about 0030z on the 6th, I saw a T#56 showing battery voltages of 15.9 and 16.5 volts. This is about 5 minutes into eclipse and represents about 1.32/1.35 volts per cell.

Checking the APRS internet feed backwards to 2314z I found a telemetry count of T#80 captured by the ZR1CBC sategate in South Africa which represents 80 minutes out of our 100 minute orbit and PCsat was still running (but going to die any moment at 1.05 and 1.15 volts per cell).

This was 25 minutes through our 36 minute eclipse and the longest we have seen so far. Notice that we are still in maximum eclipse but on the way out, but the real improvement is that more of our +Z face is illuminated as the orbit precesses more into the northern sunshine and the sun moves northward.

In another week we may be out of the woods! (for a month..)

de WB4APR@amsat.org, Bob

PCsat WEB page	http://www.ew.usna.edu/~bruninga/pcsat.html
ISS-APRS FAQ:	http://www.ew.usna.edu/~bruninga/iss-faq.html
CUBESAT Designs	http://www.ew.usna.edu/~bruninga/cubesat.html
APRS LIVE pages	http://www.ew.usna.edu/~bruninga/aprs.html
APRS SATELLITES	http://www.ew.usna.edu/~bruninga/astars.html

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Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

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75. [aprssig] Weekend Lawyer bait...

From: Bob Bruninga <bruninga@usna.edu>
Date: Fri, 5 Apr 2002 23:33:25 -0500 (EST)
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: TAPR APRS SIG <aprssig@lists.tapr.org>
Message-ID: <LYR842-72517-2002.04.05-23.07.05--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Here's an "illegal" one for the shack-lawyers:

My 13 yr old licensed daughter is going on a backpacking trip and will be carrying an FRS (for comms amongst the scouts). She does not want to lug along a HAM radio too. (Every ounce hurts after a 3 day weekend of carrying everything)... I'd like to keep in touch, but I am 40 miles away.

What if we put an FRS in a box with her 2m rig and left it in the car in the parking lot (on a central hill) and put them both on VOX and PL.

The scouts would operate on FRS channel X with no PL. Only my daughter knows the PL of the FRS in the box. Now, I can transmit from home on VHF with the correct PL for the VHF radio to hear me and the FRS will key up and she will hear me just like anyone else in her group. But no one will key up the return link but her, because she only selects the correct PL when she wants to talk to me.

Legal? No for lots of nit-picking reasons... and we will let all the lawyers list them... But then conversly, everything is done more or less within the spirit of the rules:

1) FRS is operated entirely within the spirit of FRS. No mods to the radio, no mods to antennas, power, or controls. No non-type approved interfaces to any FRS radio. No attempts to extend the RF range of FRS in any way. My daughter and I are using it for family communications over short range.

2) Similarly, We are both licenesed HAMS. We are communicating on 2m via HAM radio. I am the control operator of my station, and my daughter is the control operator of her's (left in the car.)

3) You could go one step further if you wanted, and say that she is operating her 2m rig in the car as an auxilliary station under remote control on a frequency above 225 MHz... ;-)

4) She has taken extra ordinary steps to prevent unlicensed access to her station. That is she has a control scheme that reduces the chances of someone controlling her station to less than 0.0018... pretty darn small way out in the woods..

Don't worry, I'm not going to do this... but it was an interesting idea... If you ever do expect to provide emergency communications, sometimes it is worthwhile to think out side of the box in advance so that if you need to rig up something under stress, you have already thought it out beforehand...

Having lobbed that one over the fence...
Ducking for cover...

Bob, WB4APR

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Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

---

76. [aprssig] Re: Weekend Lawyer bait...

From: Earl Needham <needhame@yucca.net>
Date: Fri, 05 Apr 2002 21:41:24 -0700
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-72522-2002.04.05-23.18.00--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

At 11:33 PM 4/5/2002 -0500, Bob Bruninga wrote:
><snip>
>What if we put an FRS in a box with her 2m rig and left it in the car in
>the parking lot (on a central hill) and put them both on VOX and PL.
>
>The scouts would operate on FRS channel X with no PL. Only my daughter
>knows the PL of the FRS in the box. Now, I can transmit from home on VHF
>with the correct PL for the VHF radio to hear me and the FRS will key up
>and she will hear me just like anyone else in her group. But no one will
>key up the return link but her, because she only selects the correct PL
>when she wants to talk to me.
>
>Legal? No for lots of nit-picking reasons... and we will let all the
>lawyers list them... But then conversly, everything is done more or less
>within the spirit of the rules:

That's one of those things you just DO and don't even THINK of asking the APRSSIG...<G>

7 3
Earl

Earl Needham, KD5XB, Clovis, New Mexico

```
KD5XB-2>APW251,PCSAT-1*:=3425.83N/10313.55W-PHG7150/WinAPRS 2.5.1
-EARL_CLOVIS -251-<630>
Did you get a letter from Nigeria offering a "deal"?  See
http://home.rica.net/alphae/419coal/ and
http://www.crimes-of-persuasion.com/Crimes/Business/nigerian.htm



---
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```

77. [aprssig] Re: Weekend Lawyer bait...

From: David VanHorn <dvanhorn@cedar.net>
Date: Fri, 05 Apr 2002 23:51:45 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-72524-2002.04.05-23.24.55--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

```
>>
>>Legal?  No for lots of nit-picking reasons... and we will let all the
>>lawyers list them... But then conversly, everything is done more or less
>>within the  spirit of the rules:
>
>         That's one of those things you just DO and don't even THINK of
> asking the APRSSIG...<G>

At least he didn't use powerpoles.
:)



---
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```

78. [aprssig] Re: [amsat-bb] PCSat data copied tonight

From: Bob Bruninga <bruninga@usna.edu>
Date: Fri, 5 Apr 2002 23:52:56 -0500 (EST)
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: amsat-bb@AMSAT.Org, TAPR APRS SIG <aprssig@lists.tapr.org>,
       Robert Bruninga <bruninga@usna.edu>
Message-ID: <LYR842-72525-2002.04.05-23.26.49--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

```
Hurrah!

On Fri, 5 Apr 2002, Craig Stewart wrote:

> FYI , just copied this from PCSAT.  times are EST
>
> PCSAT-11>BEACON,SGATE <UI>:
> T#160,153,163,088,212,213,00111111,0111,1

And now T#178 and climbing!  Unfortunately, we will want to see it last a
full day  (14 orbits or so before we re-enable digipeating) but this is
GOOD news!

de WB4APR, Bob

PCsat WEB  page     http://www.ew.usna.edu/~bruninga/pcsat.html
ISS-APRS FAQ:       http://www.ew.usna.edu/~bruninga/iss-faq.html
CUBESAT Designs     http://www.ew.usna.edu/~bruninga/cubesat.html
APRS LIVE pages     http://www.ew.usna.edu/~bruninga/aprs.html
APRS SATELLITES     http://www.ew.usna.edu/~bruninga/astars.html




---
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```

79. [aprssig] Re: Weekend Lawyer bait...

From: Earl Needham <needhame@yucca.net>
Date: Fri, 05 Apr 2002 21:53:04 -0700
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-72526-2002.04.05-23.27.16--lyris.aprssig#tapr.org@lists.tapr.org>

Rendered body type: text/plain

At 11:51 PM 4/5/2002 -0500, David VanHorn wrote:

>>>Legal? No for lots of nit-picking reasons... and we will let all the
>>>lawyers list them... But then conversly, everything is done more or less
>>>within the spirit of the rules:
>>
>>   That's one of those things you just DO and don't even THINK of
>> asking the APRSSIG...<G>
>
>At least he didn't use powerpoles.
>:)

Powerpoles? What are powerpoles?

And does the red one go on the right or the left? <G>

Earl

Earl Needham, KD5XB, Clovis, New Mexico
KD5XB-2>APW251,PCSAT-1*:=3425.83N/10313.55W-PHG7150/WinAPRS 2.5.1
-EARL_CLOVIS -251-<630>
Did you get a letter from Nigeria offering a "deal"? See
http://home.rica.net/alphae/419coal/ and
http://www.crimes-of-persuasion.com/Crimes/Business/nigerian.htm

---
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80. [aprssig] Re: Weekend Lawyer bait...

From: Jim Duncan <jdbandman@earthlink.net>
Date: Fri, 05 Apr 2002 23:25:37 -0600
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-72528-2002.04.05-23.58.47--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

And he didn't even steal somebody's ID!!!!

Earl Needham wrote:
>
> At 11:51 PM 4/5/2002 -0500, David VanHorn wrote:
>
> >>>Legal? No for lots of nit-picking reasons... and we will let all the
> >>>lawyers list them... But then conversly, everything is done more or less
> >>>within the spirit of the rules:
> >>
> >>   That's one of those things you just DO and don't even THINK of
> >> asking the APRSSIG...<G>
> >
> >At least he didn't use powerpoles.
> >:)
>
>   Powerpoles? What are powerpoles?
>
>   And does the red one go on the right or the left? <G>
>
>   Earl
>
> Earl Needham, KD5XB, Clovis, New Mexico
> KD5XB-2>APW251,PCSAT-1*:=3425.83N/10313.55W-PHG7150/WinAPRS 2.5.1
> -EARL_CLOVIS -251-<630>
> Did you get a letter from Nigeria offering a "deal"? See
> http://home.rica.net/alphae/419coal/ and
> http://www.crimes-of-persuasion.com/Crimes/Business/nigerian.htm
>
> ---
> You are currently subscribed to aprssig as: KU0G@KCAPRS.ORG
> To unsubscribe send a blank email to leave-aprssig-842K@lists.tapr.org
> Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

--
73 de Jim, KU0G
Chairman/Coordinator
Kansas City APRS Working Group, W0APR

```
First Alert Storm Team KMBC-TV9
Mailto:ku0g@kcaprs.org
Webpage: http://www.kcaprs.org

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```

81. [aprssig] Re: Weekend Lawyer bait...

From: Skip <sallison@megsinet.net>
Date: Sat, 06 Apr 2002 00:16:07 -0600
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-72545-2002.04.06-00.50.07--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

```
Earl Needham wrote:
>
>          Powerpoles?  What are powerpoles?

They're like telephone poles except they have power lines instead
telephone lines.  They're great for end supports for dipoles.

---
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```

82. [aprssig] Re: Callsign and Identity Theft

From: blitz <blitz@macronet.net>
Date: Sat, 06 Apr 2002 04:31:36 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-72553-2002.04.06-04.05.49--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

```
I agree with his wife, he should go over and stomp this guy into
oblivion...after what happened to him, no jury would find him guilty....;)
Hire a couple local loosers to do it for you, that way you can have an alibi...


At 08:58 4/5/02 +0000, you wrote:
>The ones on the SIG that know me know that since 1996 I have had a
>bootlegger using my callsign on 2 meter, HF and even CB also on APRS. I have
>also had my name used to open many accounts on the internet. I have looked
>to many goverment agencies for help and recieved very little. So I have
>created a web site to cronical the events that have lead to the theft, the
>things that have happened due to the theft, what each goverement offical and
>agency has done and where I stand now. The site is at
>http://www.geocities.com/any_justice The reason I bring this to the SIG is
>the bootlegger was a fellow ham, he once was a member of this SIG. I am
>trying to let people know that if you don't protect yourself on-line and in
>real life you could end up a target too. If this may interest you please
>visit the site. If not then I am very sorry I have wasted your time.
>
>73 and thanks for the use of the SIG,
>---------------------------------------------------------------
>Jamie R. Dean
>
>Amateur Radio Callsign..: KE4HTM
>E-Mail..: ke4htm@bellsouth.net
>Six Meter Sked DX Group (Moderator/Owner)..: 6meter-owner@yahoogroups.com
>Personal Web Site..: http://www.geocities.com/any_justice
>Six Meter Sked DX Group..: http://groups.yahoo.com/group/6meter/
>NC USAF MARS Site: http://www.geocities.com/NC_MARS/
>QRZ Info. Page..: http://www.qrz.com/callsign/ke4htm
>No-Code International..: 1419
>Six Meters Six Club World Wide..: 1749
>Grid Square..: EM95dr
>--------------------------------------------------------------
>
>
>
>
>---
>You are currently subscribed to aprssig as: blitz@macronet.net
>To unsubscribe send a blank email to leave-aprssig-842K@lists.tapr.org
>Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org
```

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83. [aprssig] Re: Callsign and Identity Theft

From: Mark Fellhauer <sparkfel@qwest.net>
Date: Sat, 06 Apr 2002 04:38:32 -0600
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-72557-2002.04.06-05.13.04--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

At 03:31 AM 4/6/02, blitz wrote:

>I agree with his wife, he should go over and stomp this guy into
>oblivion...after what happened to him, no jury would find him guilty....;)
>Hire a couple local loosers to do it for you, that way you can have an
>alibi...
>

What's odd is that Andy has been engaging in this sort of activity (that
I'm aware of) for at least 15 years, and not one person that he's wronged
has ever taken the law into their own hands...

My advice to anyone in a similar situation: Contact a lawyer.   It's
amazing how sometimes when law enforcement/prosecuters won't listen or
respond to an individual who has a problem like this that a letter from an
attorney will change their minds, especially if he reminds them that their
job is to "protect and serve."

From my personal experience, the police and courts are loathe to engage in
cases like this, but will intervene in STUPID minor issues in matters if a
business complains.   Don't return a rental video tape to the local
convenience store on time and you're likely to have State Troopers knocking
at your door...   Swear at a stupid Taco Bell employee (for allowing gang
members to terrorize patrons) and the next day have two San Diego cops at
your front door...   Not that I'm speaking from experience or anything. ;)

Mark
KC7BXS

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To unsubscribe send a blank email to leave-aprssig-842K@lists.tapr.org
Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

84. [aprssig] Re: Callsign and Identity Theft

From: "Andrew Rich" <andrew.rich@bigpond.com>
Date: Sat, 6 Apr 2002 20:58:23 +1000
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-72559-2002.04.06-05.31.55--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Cant understand why they don't set this guy up and nab him.

-----Original Message-----
From: bounce-aprssig-23621@lists.tapr.org
[mailto:bounce-aprssig-23621@lists.tapr.org]On Behalf Of Mark Fellhauer
Sent: Saturday, 6 April 2002 8:39 PM
To: TAPR APRS Special Interest Group
Subject: [aprssig] Re: Callsign and Identity Theft

At 03:31 AM 4/6/02, blitz wrote:

>I agree with his wife, he should go over and stomp this guy into
>oblivion...after what happened to him, no jury would find him guilty....;)
>Hire a couple local loosers to do it for you, that way you can have an
>alibi...
>

What's odd is that Andy has been engaging in this sort of activity (that
I'm aware of) for at least 15 years, and not one person that he's wronged
has ever taken the law into their own hands...

My advice to anyone in a similar situation: Contact a lawyer.   It's amazing how sometimes when law enforcement/prosecuters won't listen or respond to an individual who has a problem like this that a letter from an attorney will change their minds, especially if he reminds them that their job is to "protect and serve."

From my personal experience, the police and courts are loathe to engage in cases like this, but will intervene in STUPID minor issues in matters if a business complains. Don't return a rental video tape to the local convenience store on time and you're likely to have State Troopers knocking at your door... Swear at a stupid Taco Bell employee (for allowing gang members to terrorize patrons) and the next day have two San Diego cops at your front door... Not that I'm speaking from experience or anything. ;)

Mark
KC7BXS

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To unsubscribe send a blank email to leave-aprssig-842K@lists.tapr.org
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---

85. [aprssig] Re: Weekend Lawyer bait...

From: Mark Phillips <g7ltt@g7ltt.com>
Date: Sat, 06 Apr 2002 07:02:59 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: TAPR APRS SIG <aprssig@lists.tapr.org>
Message-ID: <LYR842-72561-2002.04.06-06.35.51--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

I think that this bit here is your saving grace. I don't recall there being any rules defining how you control your station provided that if its by radio its above 220MHz. One would have to take precautions so that non-hams could not use it but even then you might get away with 3rd party traffic rules.

As they say in the Unix world "/JFDI" !!!!!

Mark Phillips G7LTT/KC2ENI
Randolph, NJ 07869

> 3) You could go one step further if you wanted, and say that she is
> operating her 2m rig in the car as an auxilliary station under remote
> control on a frequency above 225 MHz... ;-)

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---

86. [aprssig] Re: Weekend Lawyer bait...

From: Matt Steinhoff <mls@steinhoff.net>
Date: Sat, 6 Apr 2002 08:48:11 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-72566-2002.04.06-08.21.43--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

> My 13 yr old licensed daughter is going on a backpacking
> trip and will be carrying an FRS (for comms amongst the
> scouts). She does not want to lug along a HAM radio too.

Two thoughts...

* make the rest of the troop hams and then have them only carry ham radios and dump the FRS (I used to carry both FRS and ham radios while biking. I got tired of lugging both and made my normal riding partners take the test.)

```
    ...and, since this is titled lawyer bait...

    * modify a ham radio to TX/RX on FRS frequencies and
      have her carry that to cover both services (except
      for a bit of clipped audio on the output side when
      using FRS, the D7A makes this really easy)

    Matt (k4mls)

---
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```

87. [aprssig] Re: Weekend Lawyer bait...

From: "Spider" <spider@rivcom.net>
Date: Sat, 6 Apr 2002 08:21:07 -0700
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-72577-2002.04.06-09.54.48--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

```
----- Original Message -----
From: "Matt Steinhoff" <mls@steinhoff.net>
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Sent: Saturday, April 06, 2002 6:48 AM
Subject: [aprssig] Re: Weekend Lawyer bait...


> > My 13 yr old licensed daughter is going on a backpacking
> > trip and will be carrying an FRS (for comms amongst the
> > scouts). She does not want to lug along a HAM radio too.
>

Forget the radios all together!  Let her enjoy the peace and serenity of the
journey...away from her parents!
Remember when you were 13 years old? Why, I had a blast chasing those girls
all over the mountains!
On second thought.....do you have any chains and maybe a chastity belt???
<snicker>

Jim - WA6OFT





---
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```

88. [aprssig] Re: Weekend Lawyer bait...

From: Matthew W Stennett <WA4TKG@attbi.com>
Date: Sat, 06 Apr 2002 10:27:06 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: TAPR APRS Special Interest Group <aprssig@lists.tapr.org>
Message-ID: <LYR842-72578-2002.04.06-10.00.42--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

```
Don't forget the SHOTGUN, & extra shells.


---
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```

89. [aprssig] Re: Weekend Lawyer bait...

From: "Mike Yetsko" <myetsko@insydesw.com>
Date: Sat, 6 Apr 2002 10:30:53 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-72579-2002.04.06-10.04.05--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

```
Only trouble is he has to remember the bat!

"Why are you carrying a gun and a bat?"
```

"The gun's to make them stand still for the bat!"

(True story, but it would take some explaining...)

Mike

----- Original Message -----
From: "Matthew W Stennett" <WA4TKG@attbi.com>

> Don't forget the SHOTGUN, & extra shells.
>
>
> ---
> You are currently subscribed to aprssig as: myetsko@insydesw.com
> To unsubscribe send a blank email to leave-aprssig-842K@lists.tapr.org
> Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org
>
>

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Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

---

90. [aprssig] "County Seat" Icon; How To ?

From: Matthew W Stennett <WA4TKG@attbi.com>
Date: Sat, 06 Apr 2002 10:42:32 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-72580-2002.04.06-10.16.06--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

# 09 icon;

How to make the " County Seat " icon to come up on the screen ?

I've tried playing with all the keys on the keyboard, and can't
seem to find it.

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Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

---

91. [aprssig] Re: Weekend Lawyer bait...

From: Jeff King <jeff@aerodata.net>
Date: Sat, 6 Apr 2002 11:33:41 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: TAPR APRS SIG <aprssig@lists.tapr.org>
Message-ID: <LYR842-72597-2002.04.06-11.03.59--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

I believe the correct term is "armchair lawyer".

I'd go to the FCC for my regulatory questions, not the APRSSIG. The other thing I tell people if they are thinking of doing something questionable, is to not publicly announce it on a mailing list beforehand and admit what they are about to do is illegal. Makes it tough to feign ignorance when the FCC cite's you. (I imagine a few of their lawyers know how to use search engines). Unless of course you were the kid in elementary school who used to put a sign on his own back that said "kick me". The term "don't ask, don't tell" applies to more then just gays in the military.

Also, if you are a ARRL member, they have a forum for asking these kind of regulatory questions, and at least you can keep it low profile if you don't like the answer you get.

-Jeff

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Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

---

92. [aprssig] FW: NOAA Environmental Hero Award to APRS person

From: Stan Horzepa <stanzepa@earthlink.net>
Date: Sat, 06 Apr 2002 11:38:17 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-72600-2002.04.06-11.11.52--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Russ, KB0TVJ, asked me to pass along this news.

73,

Stan, WA1LOU

------ Forwarded Message
From: "Russ Chadwick" <kb0tvj@peakpeak.com>
Date: Sat, 6 Apr 2002 04:37:58 +0100
To: <wxsig@lists.tapr.org>
Cc: <russ@wxqa.com>, <stanzepa@earthlink.net>
Subject: NOAA Environmental Hero Award to APRS person

Each year NOAA (National Oceanic and Atmospheric Administration) gives a number of Environmental Hero Awards to people who don't work for NOAA, but have contributed a great deal to NOAA's ongoing job of providing environmental services to the citizens of the United States. This year NOAA's Oceanic and Atmospheric Research Office gave five of these awards and one of them went to an amateur radio operator deeply involved in APRS.

On April 6, the office of David Evans, the Associate Administrator of NOAA in charge of research sent out an e-mail with this statement,
.....

I am pleased to announce the NOAA Research winners of NOAA's Environmental Hero Award. This award is for "real people" outside of NOAA who have volunteered their time or who have worked closely with NOAA through their respective organizations. Please join me in extending congratulations to the winners.

Name: Dr. Steve Dimse
Organization/Location: Cudjoe Key, FL
Accomplishment: real-time citizen weather observations
NOAA Nominating Division: NOAA Research
.....

After that there were four other names or organizations with these accomplishments:

Environmental awareness/safe and pollution free Hawaii

Development of GFDL hurricane forecast system

Assisted with CMDL Cooperative Global Air Sampling Network

Conservation of Great Lakes Fisheries

Each of these winners will receive a signed letter of appreciation from the NOAA Administrator.

Steve Dimse has been instrumental in developing the network of citizen and ham radio weather observers who send in their data to findu.com. Presently there are about 570 registered stations and about 350 to 390 are contributing data at any one time.

The contributed data are used for numerical weather prediction research at NOAA's Forecast Systems Laboratory (FSL) and for training and research at the National Center for Atmospheric Research (NCAR), both in Boulder, CO. The data are sent to the National Center for Environmental Prediction (NCEP) in Camp Springs, MD. In Florida, the data are used by NWS Weather Forecast Offices for local area weather prediction. They are also used at Kennedy Space Center (KSC) for weather prediction in support of launch operations. The data are also used by the Long Island Railroad for weather monitoring along their routes. This summer the data will be used for a major temperature and air quality study in the New England area.

Congratulations to Steve for his award and thanks to all of you who go to

the trouble and expense of setting up a weather station and sending your
data to findu.com. All of your weather data are being put to good use.
What better way to do the type of citizen public service that President Bush
recently called for.

Russ Chadwick   KBØTVJ
Boulder, Colorado
www.wxqa.com

---
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To unsubscribe send a blank email to leave-aprssig-842K@lists.tapr.org
Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

93. [aprssig] Re: FW: NOAA Environmental Hero Award to APRS person

From: "Roy Bost" <rbost@itexas.net>
Date: Sat, 6 Apr 2002 10:58:39 -0600
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-72623-2002.04.06-11.32.14--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Well Done, Steve!

---
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94. [aprssig] Re: FW: NOAA Environmental Hero Award to APRS person

From: "Spider" <spider@rivcom.net>
Date: Sat, 6 Apr 2002 10:55:41 -0700
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-72631-2002.04.06-12.29.17--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

snip
I am pleased to announce the NOAA Research winners of NOAA's Environmental
Hero Award. This award is for "real people" outside of NOAA who have
volunteered their time or who have worked closely with NOAA through their
respective organizations. Please join me in extending congratulations to
the winners.

Name: Dr. Steve Dimse
Organization/Location: Cudjoe Key, FL
Accomplishment: real-time citizen weather observations
NOAA Nominating Division: NOAA Research
.....

Right On!

Jim - WA6OFT

---
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95. [aprssig] Re: Weekend Lawyer bait...

From: "Wolf Hoeller" <wolf.hoeller@gmx.net>
Date: Sat, 6 Apr 2002 20:03:24 +0200
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-72634-2002.04.06-12.37.32--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

>
Hi Bob and the list!

> ....

> 1) FRS is operated entirely within the spirit of FRS. No mods to the
> radio, no mods to antennas, power, or controls. No non-type approved
> interfaces to any FRS radio. No attempts to extend the RF range of FRS in
> any way. My daughter and I are using it for family communications over
> short range.
>
> 2) Similarly, We are both licenesed HAMS. We are communicating on 2m via
> HAM radio. I am the control operator of my station, and my daughter is
> the control operator of her's (left in the car.)
>
> 3) You could go one step further if you wanted, and say that she is
> operating her 2m rig in the car as an auxilliary station under remote
> control on a frequency above 225 MHz... ;-)
>
> 4) She has taken extra ordinary steps to prevent unlicensed access to her
> station. That is she has a control scheme that reduces the chances of
> someone controlling her station to less than 0.0018... pretty darn small
> way out in the woods..
>
> Don't worry, I'm not going to do this... but it was an interesting
> idea... If you ever do expect to provide emergency communications,
> sometimes it is worthwhile to think out side of the box in advance so that
> if you need to rig up something under stress, you have already thought it
> out beforehand...
>
>

Just do it! It is experimental - like the whole ham radio live - or not?
You only can get and hold newcomers with 'interesting live experiments'...

73 de Wolf, OE7FTJ
mailto:oe7ftj(at)gmx.at
AX.25-mail: oe7ftj@oe7xwr.#oe7.aut.eu
Have a look where I am: http://map.findu.com/oe7ftj-*

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---

96. [aprssig] Re: FW: NOAA Environmental Hero Award to APRS person

From: "hasan schiers" <schiers@netins.net>
Date: Sat, 6 Apr 2002 14:53:52 -0600
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-72643-2002.04.06-15.27.32--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

BRAVO Steve!

hasan schiers, N0AN

schiers@netins.net
or use amsat.org or arrl.net remailer
----- Original Message -----
Subject: [aprssig] Re: FW: NOAA Environmental Hero Award to APRS person

> snip
> I am pleased to announce the NOAA Research winners of NOAA's Environmental
> Hero Award.
>
> Name: Dr. Steve Dimse
> Organization/Location: Cudjoe Key, FL
> Accomplishment: real-time citizen weather observations
> NOAA Nominating Division: NOAA Research

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97. [aprssig] Re: "County Seat" Icon; How To ?

From: Keith Sproul <ksproul@vger.rutgers.edu>
Date: Sat, 6 Apr 2002 16:08:48 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: aprssig@lists.tapr.org
Message-ID: <LYR842-72644-2002.04.06-15.44.06--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

```
The icons in WinAPRS that are less than 32 (ascii SPACE) are used in
maps and other things and are not part of the standard APRS icon set.
If you look at the specs, there is no COUNTY SEAT icon defined..

We added this and many other icons for local purposes only..  You can
create them in maps..

># 09 icon;
>
>How to make the " County Seat " icon to come up on the screen ?
>
>I've tried playing with all the keys on the keyboard, and can't
>seem to find it.
>

--
Keith Sproul                    Ham Radio WU2Z
ksproul@vger.rutgers.edu        732 821-4828

---
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```

98. [aprssig] Re: FW: NOAA Environmental Hero Award to APRS person

From: "Dick Stanich" <dick@kb7zva.com>
Date: Sat, 6 Apr 2002 16:31:7
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-72658-2002.04.06-17.04.34--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

```
Congrats and well done Steve!

Dick, KB7ZVA
AHubWX (Citizens/WX Server)
ahubwest.net:23

---
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Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org
```

99. [aprssig] Re: Re: Weekend Lawyer bait...

From: "Joe Della Barba" <joe@dellabarba.com>
Date: Sat, 6 Apr 2002 17:30:41 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-72662-2002.04.06-17.19.06--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

```
This would be VERY illegal and here is why.
Somehow some OTHER FRS user stumbles onto the right tone and starts sending
who knows what. You have no way to control this.
73
Joe


---
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```

100. [aprssig] Whats this ?

From: "Andrew Rich" <andrew.rich@bigpond.com>
Date: Sun, 7 Apr 2002 08:53:01 +1000
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-72663-2002.04.06-17.26.24--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

```
http://ltpwww.gsfc.nasa.gov/simplesat/about.html

-------------------------------------------
```

```
Andrew Rich
Callsign: VK4TEC
andrew.rich@bigpond.com
www.users.bigpond.com/andrew.rich/vk4tec.htm

---
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```

---

101. [aprssig] FS: APRS Related items

From: Mark Fellhauer <sparkfel@qwest.net>
Date: Sat, 06 Apr 2002 17:34:27 -0600
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-72669-2002.04.06-18.09.06--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

```
The Gateway Solo 9300 Laptop I previously advertised is still for sale
price reduced to $1500.00 with shipping included CONUS.   $1400 CASH if you
pick it up in Sioux Falls...

Highlights:

750 MHz PIII
192 MB RAM
ATI Rage Mobility Video Chipset
20 GB Hard Drive
8X DVD
120 MB SuperDisk drive (internal)
Firewire Port
SPDIF out (RCA)
Win2k and Office 2000 (Original Disks included)
Pony-pack Battery
MD-3 Full Docking Station (with PCI slot)
Video In and out (composite and S-video)
Custom Targus leather-like carrying case
XTend 12 volt auto/airline adapter
Linksys 10/100 PCMCI Ethernet NIC

---------------------------------------------------------------------------
I also have a Gateway Solo 1100CS Laptop for sale.  Price is $390 with
shipping CONUS.  It has one minor flaw - the left click button on the touch
pad is broken, but otherwise in very good condition.  Left clicks can
always be accomplished by tapping the touch pad, though.   I always use a
USB optical mouse anyway...

Windows ME and Office 2000 are installed, but no OS or other disks are
included in price.

433 MHz Celeron processor
32 MB RAM
CD ROM and Floppy Disk are both internal in this model and can be used
simultaneously.
NeoMagic 128 video chipset
4.5 GB hard drive (formatted capacity)
built-in 56K modem
one USB port
12.1" DSTN Display
Custom padded-nylon Olympia Case included in price

Please contact me off-list for payment instructions on either laptop.
----------------------------------------------------------------------------

I have an AEA DM-1 Deviation Meter for sale:
$65 with shipping CONUS.

-----------------------------------------------------------------------------

Kantronics "KPC-9612 PLUS" TNC with version 8.0 firmware.
$170 with shipping CONUS.
Make me an offer on this one - trades even...
-----------------------------------------------------------------------------

And finally I have an IRDA module for any desktop PC that has an IRDA
header on the motherboard (most PII and up do).
$14.00 with shipping CONUS.

Perfect for hotsyncing your Palm or WinCE device to your desktop without a
cradle or for sending pictures from your IRDA enabled Digital Camera.  Also
```

works with several Cellphones (Nokia, Ericsson, Motorola Timeports, and Samsung SGH's). The only reason I'm selling it is because I replaced it with a USB variant to free up my Com2 port...

Price includes the FIR cable and IRDA module, no case or mount is included.
See: http://www.jdresearch.com/irdrive/irmodule.htm
http://www.jdresearch.com/irdrive/FIRC.html

73,

Mark
KC7BXS

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---

102. [aprssig] Re: Whats this ?

From: Gerry Creager N5JXS <gerry@cs.tamu.edu>
Date: Sat, 06 Apr 2002 18:15:58 -0600
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: TAPR APRS Special Interest Group <aprssig@lists.tapr.org>
Message-ID: <LYR842-72670-2002.04.06-18.49.36--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

One of the key elements of this satellite is the STS safety challenge. While I was at JSC, we had several conversations with SEDS/SEDSAT about how one could safe, pass safety for, and launch a satellite from the Shuttle system with such a modest budget. I'm sure it could have been done before now, for the same general price range. It took a champion, and a dedicated team.

What surprised me was the idea that the flight software was written in BASIC!

73, gerry
--
Andrew Rich wrote:

> http://ltpwww.gsfc.nasa.gov/simplesat/about.html
>
> ---
> Andrew Rich
> Callsign: VK4TEC
> andrew.rich@bigpond.com
> www.users.bigpond.com/andrew.rich/vk4tec.htm
>
> ---
> You are currently subscribed to aprssig as: gerry@cs.tamu.edu
> To unsubscribe send a blank email to leave-aprssig-842K@lists.tapr.org
> Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org
>

--
Gerry Creager -- gerry@cs.tamu.edu
Network Engineering
Academy for Advanced Telecommunications and Learning Technologies
Texas A&M University 979.458.4020 (Phone) -- 979.847.8578 (Fax)

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---

103. [aprssig] Re: Weekend Lawyer bait...

From: "Mike Yetsko" <myetsko@insydesw.com>
Date: Sat, 6 Apr 2002 23:02:32 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-72682-2002.04.06-22.35.29--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Actually, I don't think it's illegal at all from the HAM radio point of view.
I mean, it's legal for people to use 49MHz as a wireless mic and control, right? And I've seen construction articles on this, where people use wireless phones as 'controllers' for their radios (in one case a Kenwood HF rig).

The fact that someone 'could' step in does NOT make it illegal. The fact that someone DID step in makes you RESPONSIBLE after it happens. Quite a big difference from being illegal. (Sorry, but trying to
turn something where you're responsible after the fact for something that went wrong to something where you're illegal before you start because something MIGHT go wrong is an argument that (in my mind) belongs in the gun control crowd, or with the people who want to make it illegal to by HAM gear without a license.)

But... I do believe FRS has restrictions on tone usage through the FRS service.

Mike

----- Original Message -----
From: "Joe Della Barba" <joe@dellabarba.com>
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Sent: Saturday, April 06, 2002 5:30 PM
Subject: [aprssig] Re: Re: Weekend Lawyer bait...

> This would be VERY illegal and here is why.
> Somehow some OTHER FRS user stumbles onto the right tone and starts sending
> who knows what. You have no way to control this.
> 73
> Joe
>
>
> ---
> You are currently subscribed to aprssig as: myetsko@insydesw.com
> To unsubscribe send a blank email to leave-aprssig-842K@lists.tapr.org
> Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

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---

104. [aprssig] weekend lawyer question

From: "Glen Briggs (KB0RPJ) - aka wx" <wx@grundyec.net>
Date: Sat, 06 Apr 2002 23:22:38 -0600
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-72685-2002.04.06-23.56.11--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

(e) No station shall retransmit programs or signals emanating from any type of radio station other than an amateur station, except propagation and weather forecast information intended for use by the general public and originated from United States Government stations and communications, including incidental music, originating on United States Government frequencies between a space shuttle and its associated Earth stations. Prior approval for shuttle retransmissions must be obtained from the National Aeronautics and Space Administration. Such retransmissions must be for the exclusive use of amateur operators. Propagation, weather forecasts, and shuttle retransmissions may not be conducted on a regular basis, but only occasionally, as an incident of normal amateur radio communications.

not sure however what is a "radio station"

but i recall one time seeing that amateur service can not re-transmit
audio/data from any other service... also.. can anyone explain what a
"radio station" is?
Thanks for your time,

Glen Briggs
IRC: wx - DALnet & AustNET
E-Mail: wx@grundyec.net
ICQ: 1133850
http://www.qsl.net/kb0rpj/
KB0RPJ

I've learned that we are responsible for what we do, unless we are
celebrities. :-)

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---

105. [aprssig] re PCSAT.exe

From: "Andrew Rich" <andrew.rich@bigpond.com>
Date: Sun, 7 Apr 2002 19:05:37 +1000
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-72720-2002.04.07-04.39.01--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Curious Bob, what programming language was PCSAT.exe written in ? Pascal ? C
?

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Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

---

106. [aprssig] Re: weekend lawyer question

From: "Ronald Reams" <wa4mjf@worldnet.att.net>
Date: Sun, 7 Apr 2002 09:26:34 -0400
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-72726-2002.04.07-08.59.14--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Not sure, if you're serious or not.

A radio station is an appartus that sends RF thru the
either. It basicly has a transmitter and an antenna.

You have an amateur station license KB0RPJ.

Along with that you have a operator's license that
allows to operate stations in the amateur service in
compliance with the privledges granted to that
operator's license.

The station license can be used on any ham frequency
provided there is a control operator with
the proper class operator license at the control point.

73 de Ronnie

----- Original Message -----
From: "Glen Briggs (KB0RPJ) - aka wx" <wx@grundyec.net>
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Sent: Sunday, April 07, 2002 01:22
Subject: [aprssig] weekend lawyer question

(e) No station shall retransmit programs or signals emanating from any type
of radio station other than an amateur station, except propagation and
weather forecast information intended for use by the general public and
originated from United States Government stations and communications,
including incidental music, originating on United States Government

frequencies between a space shuttle and its associated Earth stations.
Prior approval for shuttle retransmissions must be obtained from the
National Aeronautics and Space Administration. Such retransmissions must be
for the exclusive use of amateur operators. Propagation, weather forecasts,
and shuttle retransmissions may not be conducted on a regular basis, but
only occasionally, as an incident of normal amateur radio communications.

not sure however what is a "radio station"

but i recall one time seeing that amateur service can not re-transmit
audio/data from any other service... also.. can anyone explain what a
"radio station" is?
Thanks for your time,

Glen Briggs
IRC: wx - DALnet & AustNET
E-Mail: wx@grundyec.net
ICQ: 1133850
http://www.qsl.net/kb0rpj/
KB0RPJ

I've learned that we are responsible for what we do, unless we are
celebrities. :-)

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Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

107. [aprssig] Re: re PCSAT.exe

From: Bob Bruninga <bruninga@usna.edu>
Date: Sun, 7 Apr 2002 10:03:23 -0400 (EDT)
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: TAPR APRS Special Interest Group <aprssig@lists.tapr.org>
Message-ID: <LYR842-72733-2002.04.07-09.37.00--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

QBASIC

Bob

On Sun, 7 Apr 2002, Andrew Rich wrote:

> Curious Bob, what programming language was PCSAT.exe written in ? Pascal ? C
> ?
>

de WB4APR@amsat.org, Bob

```
PCsat WEB  page     http://www.ew.usna.edu/~bruninga/pcsat.html
ISS-APRS FAQ:       http://www.ew.usna.edu/~bruninga/iss-faq.html
CUBESAT Designs     http://www.ew.usna.edu/~bruninga/cubesat.html
APRS LIVE pages     http://www.ew.usna.edu/~bruninga/aprs.html
APRS SATELLITES     http://www.ew.usna.edu/~bruninga/astars.html
MIM/Mic-E/Mic-Lite  http://www.toad.net/~wclement/bruninga/mic-lite.html
```

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Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

108. [aprssig] Looking for a simple GPS

From: robert boeckman <machead@integraonline.com>
Date: Sun, 7 Apr 2002 11:07:52 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>

Message-ID: <LYR842-72740-2002.04.07-11.38.01--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

I am looking for a GPS to use for a tracker. Does anyone have recommendations for a simple unit? Because it use is a tracker I don't need bells and whistles!

TNX, Rob

Robs home page
http://www.black-hole.com/users/tardis/

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---

109. [aprssig] Setting the clock?

From: Earl Needham <needhame@yucca.net>
Date: Sun, 07 Apr 2002 11:14:45 -0600
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-72747-2002.04.07-12.49.28--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

At 01:30 PM 3/18/2002 -0500, Bob Bruninga wrote:
>Sprouls solved Dead Reckoning error by simply not implementing Dead
>Reckoning. But the real fix was two fold:
>
>1) we both went to the "Timestampless" position report where the time
>stampe is assigned on receipt.
>
>2) We both implemented on-the-air clock refresh from GPS...

I'd sure like to know how to do this in WinAPRS...

Earl

Earl Needham, KD5XB, Clovis, New Mexico
KD5XB-2>APW251,PCSAT-1*:=3425.83N/10313.55W-PHG7150/WinAPRS 2.5.1
-EARL_CLOVIS -251-<630>
Did you get a letter from Nigeria offering a "deal"? See
http://home.rica.net/alphae/419coal/ and
http://www.crimes-of-persuasion.com/Crimes/Business/nigerian.htm

---
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Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

---

110. [aprssig] Re: Weekend Lawyer bait...

From: "Manuel" <manuelh@ionet.net>
Date: Sun, 7 Apr 2002 12:56:28 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-72759-2002.04.07-13.37.12--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

i dont like red or black, can i get them in green and blue?

----- Original Message -----
From: "Skip" <sallison@megsinet.net>
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Sent: Saturday, April 06, 2002 1:16 AM
Subject: [aprssig] Re: Weekend Lawyer bait...

>
>
> Earl Needham wrote:
> >
> >   Powerpoles? What are powerpoles?
>
> They're like telephone poles except they have power lines instead
> telephone lines. They're great for end supports for dipoles.
>
> ---
> You are currently subscribed to aprssig as: manuelh@ionet.net
> To unsubscribe send a blank email to leave-aprssig-842K@lists.tapr.org

```
> Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org
>


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Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org
```

---

111. [aprssig] NEED THIS URGENTLY!!!

From: Ken Cechura <kcechura@umr.edu>
Date: Sun, 07 Apr 2002 13:08:07 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-72761-2002.04.07-13.40.53--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

```
can someone send me the packet format for a standard APRS packet?  need it
for class tomorrow!!!!!

thanks
Ken

      /////////////////////////////////////////////////////
     //        Kenneth R. Cechura, KC9UMR                //
    //             kcechura@umr.edu                     //
   //           President, W0EEE, 2002                 //
  // University of Missouri-Rolla Amateur Radio Club  //
/////////////////////////////////////////////////////



---
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Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org
```

---

112. [aprssig] Re: Weekend Lawyer bait...

From: David VanHorn <dvanhorn@cedar.net>
Date: Sun, 07 Apr 2002 13:11:27 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-72762-2002.04.07-13.44.36--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

```
At 12:56 PM 4/7/2002 -0500, Manuel wrote:
>i dont like red or black, can i get them in green and blue?

As a matter of fact, you can.

My console connector is red and black, in OCRACES config, plus blue (output
to lights) and orange (ignition switched power)

They are stacked into a single 2x2 connector, and mate into one half of a
four-pair socket from powerwerx.  The other side is two more OCRACES outlets.



---
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Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org
```

---

113. [aprssig] RE: NEED THIS URGENTLY!!!

From: Ken Cechura <kcechura@umr.edu>
Date: Sun, 07 Apr 2002 13:37:02 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-72767-2002.04.07-14.09.40--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

```
THANKS TO ALL WHO REPLIED, I THINK I GOT SOMETHING THAT WILL WORK!!

73
Ken


       /////////////////////////////////////////////////////
      //           Kenneth R. Cechura, KC9UMR             //
     //  Email: kcechura@umr.edu  AIM: crashoverdrive81  //
    //                ICQ:46658084                      //
```

```
  //        http://www.umr.edu/~kcechura            //
 //////////////////////////////////////////////////////
```

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Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

---

114. [aprssig] Re: Looking for a simple GPS

From: "Roy Bost" <rbost@itexas.net>
Date: Sun, 7 Apr 2002 13:46:47 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-72770-2002.04.07-14.20.33--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

The Garmin 35 is about as simple as it gets...no display..unit looks like a computer mouse which contains the entire gps including the antenna.

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---

115. [aprssig] Re: Weekend Lawyer bait...

From: Wally Foster <wfoster@hsc.usc.edu>
Date: Sun, 07 Apr 2002 11:46:57 -0700
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: TAPR APRS Special Interest Group <aprssig@lists.tapr.org>
Message-ID: <LYR842-72771-2002.04.07-14.21.21--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

As a matter of fact, yes you can.. Depends on your supplier.. Also orange and white..

Manuel wrote:

```
> i dont like red or black, can i get them in green and blue?
>
> ----- Original Message -----
> From: "Skip" <sallison@megsinet.net>
> To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
> Sent: Saturday, April 06, 2002 1:16 AM
> Subject: [aprssig] Re: Weekend Lawyer bait...
>
> >
> >
> > Earl Needham wrote:
> > >
> > >          Powerpoles?  What are powerpoles?
> >
> > They're like telephone poles except they have power lines instead
> > telephone lines.  They're great for end supports for dipoles.
> >
> > ---
> > You are currently subscribed to aprssig as: manuelh@ionet.net
> > To unsubscribe send a blank email to leave-aprssig-842K@lists.tapr.org
> > Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org
> >
>
> ---
> You are currently subscribed to aprssig as: WFOSTER@HSC.USC.EDU
> To unsubscribe send a blank email to leave-aprssig-842K@lists.tapr.org
> Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org
```

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---

116. [aprssig] Re: Looking for a simple GPS

From: WA8LMF2@aol.com
Date: Sun, 7 Apr 2002 14:53:56 EDT

To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: machead@integraonline.com
Message-ID: <LYR842-72772-2002.04.07-14.28.09--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

I've used the RandMcNally (sometimes available on the RMC website for $70 --
I bought mine packaged with the RMC StreetFinder CD-ROMs for $100), the
Delorme Earthmate with the Byonics GST-1 translator ($129 +49 for the
converter), the Holux GM-200 ($150) and the Pharos ultra-compact iGPS-180
($180) all successfully.

All these units are "mouse"-type devices that are a combined antenna and
receiver with no display and a cable that forks into a DB-9 for data and a
PS/2 plug that goes into a PC keyboard jack to pick up 5 VDC power.

```
Stephen H. Smith                   wa8lmf @ aol.com
Home Page:
http://members.aol.com/wa8lmf
Ham Radio/Mobile SSTV page:     http://members.aol.com/wa8lmf/ham
APRS Stuff
http://members.aol.com/wa8lmf/aprs
-----------------------------------------------------------------------------

----------
|    Radio Communications Systems       Personal Computers
|                Consulting and Systems Integration
|    GPS Custom Mapping    &     Radio Coverage Surveys
|    File Conversions       MS-Windows Setups       VISCII Fonts
-----------------------------------------------------------------------------

-----------
```

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---

117. [aprssig] Re: Looking for a simple GPS

From: "Mike Yetsko" <myetsko@insydesw.com>
Date: Sun, 7 Apr 2002 15:16:42 -0400
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-72773-2002.04.07-14.49.49--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

If you can find them, TripMates are out there for about $50. Or maybe
less, as $50 is what DeLorme was charging for 'reconditioned' ones.

Consider a used unit as opposed to something new. Depends on what
you want, really. I have a GPS-12 I'm probably going to sell soon, but
I don't have any idea what it's worth. Hopefully I won't get hosed too
bad!.

Mike

----- Original Message -----
From: "robert boeckman" <machead@integraonline.com>

> I am looking for a GPS to use for a tracker. Does anyone have
> recommendations for a simple unit? Because it use is a tracker I
> don't need bells and whistles!
>
> TNX, Rob

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---

118. [aprssig] Re: re PCSAT.exe

From: "j.gutshall" <j.gutshall@attbi.com>
Date: Sun, 7 Apr 2002 13:59:12 -0600
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-72775-2002.04.07-15.31.58--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

```
what compiler then are you using? I thought qbasic was an interpter...quick
basic is the compiler right?
----- Original Message -----
From: "Bob Bruninga" <bruninga@usna.edu>
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Sent: Sunday, April 07, 2002 8:03 AM
Subject: [aprssig] Re: re PCSAT.exe


> QBASIC
>
>
> Bob
>
> On Sun, 7 Apr 2002, Andrew Rich wrote:
>
> > Curious Bob, what programming language was PCSAT.exe written in ? Pascal
? C
> > ?
> >
>
> de WB4APR@amsat.org, Bob
>
> PCsat WEB  page     http://www.ew.usna.edu/~bruninga/pcsat.html
> ISS-APRS FAQ:       http://www.ew.usna.edu/~bruninga/iss-faq.html
> CUBESAT Designs     http://www.ew.usna.edu/~bruninga/cubesat.html
> APRS LIVE pages     http://www.ew.usna.edu/~bruninga/aprs.html
> APRS SATELLITES     http://www.ew.usna.edu/~bruninga/astars.html
> MIM/Mic-E/Mic-Lite  http://www.toad.net/~wclement/bruninga/mic-lite.html
>
>
> ---
> You are currently subscribed to aprssig as: j.gutshall@attbi.com
> To unsubscribe send a blank email to leave-aprssig-842K@lists.tapr.org
> Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org
>


---
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```

---

119. [aprssig] Re: worlds largest weather website to be axxed soon

From: "Chris Rose" <kb8uih@arrl.net>
Date: Sun, 7 Apr 2002 16:11:58 -0400
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-72779-2002.04.07-15.45.36--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

```
I need to go back to where I saw it, but I did see on the site that the IWIN
or EMWIN system was going away, I need to go back and find the info again.
If you can help sort out which it would be helpful.

Chris
KB8UIH

----- Original Message -----
From: "Mark Fellhauer" <sparkfel@qwest.net>
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Sent: Friday, April 05, 2002 12:25 AM
Subject: [aprssig] Re: worlds largest weather website to be axxed soon


> At 11:36 AM 4/4/02, Glen Briggs (KB0RPJ) - aka wx wrote:
>
> >iwin.nws.noaa.gov  the worlds largest weather website will be getting the
> >axe soon, it will be replaced by weather.gov
> >
> >it also appears that any complaining on our part would be useless, as
this
> >appears to be a done deal.
> >Thanks for your time,
>
>
> Well for one, the term, "getting the axe" means something.  It means
> terminated, ended, finished, chopped down...
>
```

```
>  From what I see, they're just renaming their official site to something
> more simple, actually intuitive.  Something that's easier to remember and
> to type.  That's hardly "getting the axe."
>
> Furthermore, why would anyone complain about this?     Oh no,  I'll have
to
> change a bookmark!   I'll have to type less characters to go directly to a
> web site.    I'm gonna write my congressman about this...   That darn
> government simplifying things and making it easier to get information....
>
>
> Mark
> KC7BXS
>
>
>
> ---
> You are currently subscribed to aprssig as: kb8uih@arrl.net
> To unsubscribe send a blank email to leave-aprssig-842K@lists.tapr.org
> Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org
>


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Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org
```

---

120. [aprssig] Re: re PCSAT.exe program source code format

From: WA8LMF2@aol.com
Date: Sun, 7 Apr 2002 18:44:14 EDT
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: j.gutshall@attbi.com
Message-ID: <LYR842-72795-2002.04.07-18.18.03--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

```
In a message dated 4/7/02 1:00:20 PM Pacific Daylight Time,
j.gutshall@attbi.com writes:

> what compiler then are you using? I thought qbasic was an interpter...quick
>  basic is the compiler right?

The full (standalone as in bought separately) version of Quick Basic includes
a complier that is not part of the "lite" version of QB included as a
freebie with DOS.

The full QB 4.5 environment looks exactly like (and lets you edit/run/debug
interactively) like the regular lite version. In addition, the "RUN" pulldown
from the menu bar includes "Make Exe File ... "

In turn the generated EXE can either depend on a QB runtime library,  or be
completely standalone with the runtime embedded at the cost of about an extra
70K in file size.

Stephen H. Smith                   wa8lmf @ aol.com
Home Page:
http://members.aol.com/wa8lmf
Ham Radio/Mobile SSTV page:     http://members.aol.com/wa8lmf/ham
APRS Stuff
http://members.aol.com/wa8lmf/aprs
------------------------------------------------------------------------------

----------
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Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org
```

---

121. [aprssig] Re: Looking for a simple GPS

From: "Steve Meinhardt" <steve@crystalauto.com>
Date: Sun, 7 Apr 2002 19:41:26 -0400
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-72810-2002.04.07-19.12.32--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Rob,
  The best thing that I've found for the money is the Garmin e-Trex. From AES for $119.99 It syncs in seconds vs. the Delorme Tripmate at 10+ minutes.

Just make sure you get the 010-10268-00 PC cable with Cig adapter. $50 That way you don't have to keep feeding it batteries. (Not available from AES.)

The garmin GPS 35 is nice although I'm not sure which model you would need.

The price of either solution is about the same but you can do more with the hand held.

I sure would like to hear what everyone else is running.

Links...
http://www.garmin.com/products/etrex/
http://search.cartserver.com/search/search.cgi?cartid=a-6994&category=newprices&maxhits=200&keywords=etrex
http://shop.garmin.com/accessories_for_product.jsp?sku=010-00190-00
http://www.gpscity.com/products/garmin/35.html
-srm

---------- Original Message ----------------------------------
From: robert boeckman <machead@integraonline.com>
Date: Sun, 7 Apr 2002 11:07:52 -0500

>I am looking for a GPS to use for a tracker. Does anyone have
>recommendations for a simple unit? Because it use is a tracker I
>don't need bells and whistles!
>
>TNX, Rob
>
>Robs home page
>http://www.black-hole.com/users/tardis/
>
>---
>You are currently subscribed to aprssig as: steve@crystalauto.com
>To unsubscribe send a blank email to leave-aprssig-842K@lists.tapr.org
>Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org
>
>

--
Steven R. Meinhardt
Crystal Automation Systems, Inc.
http://www.crystalauto.com
Phone 989-831-8800 Fax 989-831-5555
--

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Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

122. [aprssig] New Digi of South Central PA.

From: John Zilavy <kc5dri@redrose.net>
Date: Mon, 08 Apr 2002 07:29:10 -0400
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-72897-2002.04.08-07.06.18--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Good news Central Pennsylvania Repeater Association digi (WA3KXG-2) went
on the air yesterday, 7 April 2002. Located on Reeser's Summit along
I-83 south of Harrisburg. This digi should fill in the gap in coverage
in along I-81, and in the Harrisburg and surrounding areas.

John

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To unsubscribe send a blank email to leave-aprssig-842K@lists.tapr.org

Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

---

123. [aprssig] Re: Looking for a simple GPS

From: Alex <kr1st@amsat.org>
Date: Mon, 08 Apr 2002 08:04:56 -0400
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-72899-2002.04.08-07.38.32--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Steve Meinhardt wrote:

> Just make sure you get the 010-10268-00 PC cable with Cig adapter. $50 That way you don't have to keep feeding it batteries. (Not available from AES.)

I bought this cable for $35 at TVNav:

http://www.tvnav.com/miscgpsitems.html

Their website is not one of the slickest, but some of their prices are.
Etrex is $115 there I think. Perhaps there are even cheaper suppliers;
I'd love to hear about that.

Thanks and 73s,
--Alex

---
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Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

---

124. [aprssig] PCsat Recovered!

From: Bob Bruninga <bruninga@usna.edu>
Date: Mon, 8 Apr 2002 09:26:50 -0400 (EDT)
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-72902-2002.04.08-09.00.35--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Over the weekend of 6 April, PCsat has finally made it back into a
positive power budget and has achieved a full charge on the batteries
allowing it to remember its commands for more than the one hour sunshine
of each orbit.

We thank the dedicated efforts of these command stations around the
world: G6LVB,IT9GSV,LU7ABF,LW2DTZ,VK3JT,WB4APR,ZL1AOX,ZR1FN,ZR1CBC who
have attempted commands on over 400 orbits since this problem began on 10
March.

We have enabled the DIGIpeater again for limited operations probably
through 10 May. Then we may have to go back to low-power ops until we
reach full Sun in the first week of June. This may be modified over the
next few days as we learn more, but remember, PCsat's batteries have
been severly weakened. This means:

1) Operations during DAYLIGHT only.
2) No operations after dark
3) Cease operations whenever you see packets with 11111111 telemetry.
4) Be conservative and minimize the number of packets you digipeat
5) No routine automatic unattended operations
6) Keyboarders welcome.

The thing to watch is the battery voltages before sunrise.

```
   W3ADO-1>BEACON,SGATE:T#172,162,162,081,212,213,00111111,0111,1

   The ending ,xx11,1 means this is the TLM with battery volts in it.
   The T#172 is minutes since last RESET (or turnover at 999)
   The first two values, 162,162 are the battery voltages (16.2)
```

When PCsat battery volts get below 14 volts, we worry. Sunrise is now
occuring over the extreme southern hemisphere so we can only see this data
when IGates in Australia, South Africa and Antarctica send packets to
findu.com in the very early hours before sunrise LOCAL time.

Steve Dimse, K4HG has added a switch to let you see the PCSAT feed with
absolute time instead of packet AGE... Just add "absolute=1" onto the end
of your cgi request..

http://www.findu.com/cgi-bin/pcsat.cgi?absolute=1

This makes it much easier to correlate what is happening to PCsat and
when. Thanks Steve!

de WB4APR, Bob

```
PCsat WEB  page     http://www.ew.usna.edu/~bruninga/pcsat.html
ISS-APRS FAQ:       http://www.ew.usna.edu/~bruninga/iss-faq.html
CUBESAT Designs     http://www.ew.usna.edu/~bruninga/cubesat.html
APRS LIVE pages     http://www.ew.usna.edu/~bruninga/aprs.html
APRS SATELLITES     http://www.ew.usna.edu/~bruninga/astars.html
MIM/Mic-E/Mic-Lite  http://www.toad.net/~wclement/bruninga/mic-lite.html
```

You are currently subscribed to aprssig as: lyris.aprssig@tapr.org
To unsubscribe send a blank email to leave-aprssig-842K@lists.tapr.org
Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

---

125. [aprssig] WinAPRS & WinXP Pro

From: "Norman D. Martin" <k7old@flash.net>
Date: Mon, 8 Apr 2002 8:55:16
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-72925-2002.04.08-09.28.51--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

I had a problem getting PmapOCX.bat to run on my new WinXP laptop. Got an error every time I ran it from Windows Explorer or from <Start><Run> which always worked with Win98. In XP under Windows/System32 there is a program called "cmd.exe" which performs "Text-based (command line) functions". Ran PmapOCX.bat using "cmd.exe" and it installed perfectly. Anyway, this is for the "what its worth department."

Norm K7OLD

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---

126. [aprssig] Question about using an HTX202 as a tracker

From: Paul Jacques <paulrjacques@yahoo.com>
Date: Mon, 8 Apr 2002 07:07:31 -0700 (PDT)
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-72928-2002.04.08-09.41.06--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Hi,
I'm building a tracker using an HTX202,a TinyTrak II
and a Pharos GPS. I want to leave the HTX power switch
on, keep it inside an enclosure and have a case
mounted power switch to turn power on to the THX, GPS
and TNC.
My question is, if I remove the battery from the HTX
and only power it through it's top connector, with no
power applied will the HTX eventually lose it's stored
settings?

Thanks,
Paul
WB6IWT

____
Do You Yahoo!?
Yahoo! Tax Center - online filing with TurboTax
http://taxes.yahoo.com/

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127. [aprssig] Re: Question about using an HTX202 as a tracker

From: "Mike Yetsko" <myetsko@insydesw.com>
Date: Mon, 8 Apr 2002 10:36:42 -0400
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-72933-2002.04.08-10.09.48--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

```
My understanding is that the external top jack on the HTX-202 and 404
HTs is direct, but the bottom battery connector is through a diode.
Othewise they are the same.  I know there were a few early units of the
202 that had an issue with the diode, but not the later ones.

If you mean does the 202 'bypass' the internal lithium when there is
external
power applied (regardless of the switch setting) so as to increase the
life
of the lithium cell, probably...

Mike

----- Original Message -----
From: "Paul Jacques" <paulrjacques@yahoo.com>


> Hi,
> I'm building a tracker using an HTX202,a TinyTrak II
> and a Pharos GPS. I want to leave the HTX power switch
> on, keep it inside an enclosure and have a case
> mounted power switch to turn power on to the THX, GPS
> and TNC.
> My question is, if I remove the battery from the HTX
> and only power it through it's top connector, with no
> power applied will the HTX eventually lose it's stored
> settings?
>
> Thanks,
> Paul
> WB6IWT
>
>
>
> __________________________________________________
> Do You Yahoo!?
> Yahoo! Tax Center - online filing with TurboTax
> http://taxes.yahoo.com/
>
> ---
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>
>



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```

---

128. [aprssig] Time change !? (dayling savings time)

From: "Richard Amirault" <ramirault@erols.com>
Date: Mon, 8 Apr 2002 12:58:53 -0400
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-72951-2002.04.08-12.33.09--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

```
Bob hasn't mentioned it ... so I'll say .. for all those APRSdos users out
there (all three of you ;-) remember to change the time on your PC (if it
isn't running Windoz), but also change the ZONE within APRS (Ctrl-S, Other,
Zone)

I have no idea what (if anything) windoz versions need to do.

I am seeing a local WX station packets *every* hour  (10 to 18 per/hr) but
because (I'm assuming) if it's time stamp it is *not* showing up on my
screen.  (shows up fine in findu)  I have no idea what version APRS he is
running.

Just because you can see yourself on findu does not mean you are showing up
on local (RF) screens. Then again, the problem could all be on *my* end
too!
```

```
Richard Amirault                          N1JDU                Boston,
MA, USA
ramirault@erols.com              "Go Fly A Kite"
http:// www.erols.com/ramirault
```

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129. [aprssig] Re: Time change !? (dayling savings time)

From: Bob Bruninga <bruninga@usna.edu>
Date: Mon, 8 Apr 2002 13:19:42 -0400 (EDT)
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: TAPR APRS Special Interest Group <aprssig@lists.tapr.org>
Message-ID: <LYR842-72953-2002.04.08-12.53.15--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

On Mon, 8 Apr 2002, Richard Amirault wrote:

> Bob hasn't mentioned it ... so I'll say .. for all those APRSdos users out
> there (all three of you ;-) remember to change the time on your PC (if it
> isn't running Windoz), but also change the ZONE within APRS (Ctrl-S, Other,
> Zone)

Most recent versions have a better way.
1) Change your clock to the new local time.
2) Next select alt-S-OTHER-DAYLIGHTSAVINGSTIME...

This will keep you from having to compute the UTC offset each time...
Bob

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130. [aprssig] D700 lockups chapter ???

From: Guy.Story@levi.flyingpig.net, KC5GOI <kc5goi@kc5goi.net>
Date: Mon, 8 Apr 2002 12:21:25 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-72954-2002.04.08-13.03.07--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

I know this has been talked about but never saw a permanent solution. My D700 has gotten to the point that if I run WinAPRS, APRS+ or pocketAPRS (have not tried UI-View or Xastir but feel it is irrelivant) when I exit the program and try to go back to APRS mode, the tnc hangs in opening tnc. I have tried the trick with the PMs and found that if I hit the pm button after turning on the radio, it still tried to open the tnc first. I have to do a VFO reset. That flushes various settings that have to be dealt with. Has anyone come up with a solution? I emailed Kenwood's support last week and have not seen a response yet. If we do not have a solution, I will be talking to hte Kenwood rep at Dayton about this issue.

73

--
Guy Story, KC5GOI
Denton Texas
kc5goi@kc5goi.net

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131. [aprssig] RE: Time Change

From: "Ronald Reams" <wa4mjf@worldnet.att.net>
Date: Mon, 8 Apr 2002 13:31:40 -0400
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-72955-2002.04.08-13.04.38--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Or even better run 'puter and TNC on Zulu
and don't worry about it :-)

73 de Ronnie

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132. [aprssig] Storm Plots & findu

From: dale huguley <kg5qd@earthlink.net>
Date: Mon, 08 Apr 2002 13:59:07 -0400
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-72957-2002.04.08-13.33.08--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Hi All-
Looks like the Spring storm season has arrived- if a bit late this year.
  As you may or not be aware, plots of storms from Wxsvr are valid
objects for findu.com. If you see an object with a name such as
LIXT1735z - this could be plotted at street level at:
http://www.findu.com/cgi-bin/find.cgi?LIXT1735z
since Steve's cgi allows wildcards-
http://www.findu.com/cgi-bin/find.cgi?LIXT*
should plot tornadoes in the LIX (New Orleans) area
http://www.findu.com/cgi-bin/find.cgi?LIX*
should plot tornados and Severe Thunderstorms

http://www.findu.com/cgi-bin/radar-find.cgi?call=LIXT1735z&zoom=2
shows the tornado over the radar plot for that area
Make sure you compare the timestamps of the storm and the radar- they
may or may not be in sync.

73 de kg5qd Dale

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133. [aprssig] More Findu Server Donations

From: "Spider" <spider@rivcom.net>
Date: Mon, 8 Apr 2002 12:51:58 -0700
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-72960-2002.04.08-15.26.02--lyris.aprssig#tapr.org@lists.tapr.org>
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More donations that have been processed...

Michael, K5MJE
Matthew, K4MLS
Andrew, W1SAR

For a total of $175.00

Jim - WA6OFT

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134. [aprssig] Winaprs message list

From: deunju@juno.com
Date: Mon, 8 Apr 2002 16:22:00 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-72965-2002.04.08-16.59.02--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

I am not seeing all the message length on the winaprs message window, Im
only getting about 13 letters and then nothing. I have the message bar at
the top moved over quite a ways to the right but it doesnt make any
difference. Is there another place to ajust this? Thanks
Dale Urban N0KQX
Garden City Ks.

____
GET INTERNET ACCESS FROM JUNO!
Juno offers FREE or PREMIUM Internet access for less!
Join Juno today! For your FREE software, visit:
http://dl.www.juno.com/get/web/.

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---

135. [aprssig] findu.com backup status

From: Guy.Story@levi.flyingpig.net, KC5GOI <kc5goi@kc5goi.net>
Date: Mon, 8 Apr 2002 16:40:04 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-72970-2002.04.08-17.22.02--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Good evening everyone. I have updated the web page for the findu.com backup
status. Sorry for the delay. Only the estimated amounts have increased at
this time. I have handed the DCARC the checks after I made a list of who has
mad donations. I will post a credits page in the next few days. I know I
promised to have that up last week but life has gotten busy at home. Those
of you who have requested the letters for the tax deduction, I will check on
the status of those.

73

--
Guy Story, KC5GOI
Denton Texas
kc5goi@kc5goi.net

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---

136. [aprssig] Re: Question about using an HTX202 as a tracker

From: KC7ZRU - Tate <kc7zru@arrl.net>
Date: Mon, 08 Apr 2002 17:16:10 -0600
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: TAPR APRS Special Interest Group <aprssig@lists.tapr.org>
Message-ID: <LYR842-72977-2002.04.08-18.49.59--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

The HTX-202 uses an internal, buttun cell battery to keep it's memory.

What you have planned should work just fine

73

Paul Jacques wrote:
>
> Hi,
> I'm building a tracker using an HTX202,a TinyTrak II
> and a Pharos GPS. I want to leave the HTX power switch
> on, keep it inside an enclosure and have a case
> mounted power switch to turn power on to the THX, GPS
> and TNC.
> My question is, if I remove the battery from the HTX
> and only power it through it's top connector, with no
> power applied will the HTX eventually lose it's stored
> settings?
>
> Thanks,
> Paul
> WB6IWT
>
> ____
> Do You Yahoo!?

```
> Yahoo! Tax Center - online filing with TurboTax
> http://taxes.yahoo.com/
>

--
              Casper, WY    |    CARC Repeater
                DN62tt      |      146.940
        "The Dungeon" online at http://go.to/kc7zru
            "RTFM" is NOT a 'four letter' word!

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```

137. [aprssig] Re:Question about using an HTX202 as a tracker--Thank You

From: Paul Jacques <paulrjacques@yahoo.com>
Date: Mon, 8 Apr 2002 16:42:13 -0700 (PDT)
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-72979-2002.04.08-19.15.49--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

```
Hi,
      Thank-you to everyone that responded to my
HTX202 question. You answered my question..........

Thanx,
Paul WB6IWT

__________________________________________________
Do You Yahoo!?
Yahoo! Tax Center - online filing with TurboTax
http://taxes.yahoo.com/

---
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```

138. [aprssig] Re: New Digi of South Central PA.

From: Ken Brown <W2KB@compuserve.com>
Date: Mon, 8 Apr 2002 20:08:19 -0400
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-72983-2002.04.08-19.42.16--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

```
>> Good news Central Pennsylvania Repeater Association digi (WA3KXG-2) went
on the air yesterday, <<

I've received 16 packets from it in the 24 hours or so since then, here in
northern Hunterdon County, New Jersey.

73,

---Ken         W2KB@ARRL.net      VC-NJ     KofC

---
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```

139. [aprssig] New stuff on findU

From: Steve Dimse <k4hg@tapr.org>
Date: Mon, 8 Apr 2002 21:44:18 -0400
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-72988-2002.04.08-21.18.01--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

```
A few new things for findU. First, the documentation is finally done, all the
parameters for all the public cgis are documented. There is a new parameter for
PCSat and ARISS showing absolute rather than relative times. Finally there is a
new cgi which allows you to place MapBlast images on your own web page.

All of this is documented with links and examples on the "What's new" page of
findU...check it often!

http://www.findu.com/new.html
```

Steve K4HG

---
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140. [aprssig] recordign screen shots in windows?

From: "Wes Johnston" <wes@johnston.net>
Date: Mon, 8 Apr 2002 22:25:41 -0400
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-72997-2002.04.08-22.02.55--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

I would like to make narrations of how to use winaprs, aprsplus and aprs dos.

How can I record screen shots in AVI format? All the details... mouse pointer showing motion yadda yadda yadda.... It's for an aprs presentation.

Wes

---
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141. [aprssig] Stolen car

From: Dave Kaplan <dkaplan@steffeninc.com>
Date: Mon, 08 Apr 2002 21:40:35 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-72998-2002.04.08-22.14.23--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Bad news and good news.

My brand new Suburban was stolen last night.

The good news is that I got one position report off the tracker.

```
WB0WNX-3>TR2Q5V,WB0WNX-6,WB0WNX-4,K0BOY-1*:'|4Pl j/]
```

Can someone help me translate this into Lat/Long and tell me if it is:

Degree Minutes Seconds
or
Degrees Minutes Tenths.

Also, what datum would it be?

Can't fill you in on the details yet, but it is important if this position is someone's driveway or not.

Dave
WB0WNX-3 Stolen Suburban

---
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142. [aprssig] Recent product with APRS uses (Keyspan USB remote)

From: Mark Fellhauer <sparkfel@qwest.net>
Date: Mon, 08 Apr 2002 21:48:34 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-73000-2002.04.08-22.22.37--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

I recently discovered a product that will work with both Mac And Windows PC's that may have some applications for APRS'ers.

It's the Keyspan USB Digital Media Infrared Remote.

http://www.keyspan.com/products/usb/remote/

I purchased one for $25 from an eBay E-tailer which is significantly cheaper than other online sources. Installation was flawless - load the software, plug in the remote receiver, and go. The remote receiver has a USB "B" port on the back, so you can use the included 3 foot cable, or use your own longer one. The remote receiver has a built in tally light that provides positive feedback to any strong IR source (including cameras and IRDA ports) and also flashes in various manners to let you know if the remote software/driver is loaded and running correctly. A nice touch is the slot in the remote receiver that provides a place to park the included slim 17-button remote, which looks like it would be easy to lose. The remote receiver seems pretty immune to false signals, and mine sits about 6 feet from a fluorescent floor lamp.

The remote itself is powerful, and I found that it easily covered 25 feet between it and the receiver. I ran out of room before I ran out of remote. :) It also "bankshots" nicely. The remote is powered by two standard CR2025 lithium batteries. It also appears to be of higher quality than other slim remotes I've encountered, like the X-10 RF credit card/slimfire or the remote included with many Creative Labs products. No flimsy plastic or cheesy membrane buttons here. I just wish it had more buttons. According to the included documentation, the remote receiver/software will also work with a JVC VCR remote, in case you lose the included remote or have a learning/programmable remote. For those of us lucky enough to have a high-end remote, like a Pronto or an IRIQ Madrigal, it'll be a snap to program custom pages and macros for this product.

The included remote software is both polished and powerful, and includes button mapping for many common Windows applications including WinAmp, Powerpoint, and Cyberlink's PowerDVD. I was quickly able to customize the software for WinAPRS, so that I could zoom in and out on maps, scroll left, right, up, and down; and access the menu functions via alt-F. I mapped the select key on the remote to mimic the enter button on the keyboard. And it appears I haven't even begun to explore the possibilities the software offers. It is possible to cycle through many running applications and control them all with this remote. Keyspan's website has all the software and documentation online, so you can look before you buy.

I'm imagining other ways to integrate this product into the hamshack, and I think it would be perfect for use with receivers and transceivers that are computer controlled. I have a BC895XLT scanner that I've always wished had remote control, so that I could pause scanning when an interesting transmission came on, without having to get up from the couch to start and stop scanning. It looks like the Keyspan USB remote should be just the ticket for fulfilling my wish.

I know that some of you are thinking, "why would anyone want a remote control for their computer, especially when you're usually sitting 12 inches from the darn thing most of the time..." Well, I'm porting video via an S-video link from my computer to my home theater setup. This way I can sit on my couch, switch my TV monitor over to display WinAPRS, and scroll and zoom around to see what interests me on the screen. All this is done with one remote, an IRIQ Madrigal. Yes, I want to be the ultimate couch potato.

I own or have owned many products that have promised IR or RF remote control of a computer and found most to be lacking in one way or another. Most have inadequate software that only allows you to use the product with a few popular software titles (and then only certain versions). That or they require you to give up a valuable serial port. The Keyspan Digital Media Remote looks to be a near-perfect solution with its USB connectivity and flexible software. Yes, I have a wireless keyboard/pointing device, a Silitek IR SK-7100; a specially made version in putty which doesn't hog a serial port. But it's hardly pocket-portable and can be cumbersome to hold and keep it pointing at the IR receiver at the same time. I suppose an RF wireless keyboard would be a solution to the pointing problem, but then it's just adding another possible avenue of RF problems in the hamshack.

Anyhow, I hope some of you found this review useful. And I'm not affiliated with Keyspan in any way - just a happy couch potato.

73,

Mark
KC7BXS

```
---
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```

143. [aprssig] Re: Stolen car

From: Ryan Tourge <ryrto@yahoo.com>
Date: Mon, 8 Apr 2002 19:53:11 -0700 (PDT)
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-73001-2002.04.08-22.26.49--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

```
http://www.findu.com/cgi-bin/find.cgi?call=WB0WNX-3

--- Dave Kaplan <dkaplan@steffeninc.com> wrote:
> Bad news and good news.
>
> My brand new Suburban was stolen last night.
>
> The good news is that I got one position report off
> the tracker.
> WB0WNX-3>TR2Q5V,WB0WNX-6,WB0WNX-4,K0BOY-1*:'|4Pl j/]
>
> Can someone help me translate this into Lat/Long and
> tell me if it is:
>
> Degree Minutes Seconds
> or
> Degrees Minutes Tenths.
>
> Also, what datum would it be?
>
> Can't fill you in on the details yet, but it is
> important if this position
> is someone's driveway or not.
>
> Dave
> WB0WNX-3 Stolen Suburban
>
>
> ---
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> administrator: wa1lou@tapr.org
>


__________________________________________________
Do You Yahoo!?
Yahoo! Tax Center - online filing with TurboTax
http://taxes.yahoo.com/

---
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```

144. [aprssig] Re: gps coordinate/map question

From: Gerry Creager N5JXS <gerry@cs.tamu.edu>
Date: Mon, 08 Apr 2002 22:03:08 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: TAPR APRS Special Interest Group <aprssig@lists.tapr.org>
Message-ID: <LYR842-73002-2002.04.08-22.36.46--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

```
Curt Mills, WE7U wrote:

> On Tue, 2 Apr 2002, Gerry Creager N5JXS wrote:
>
>
>>Any and all of them that allow setting different datums, should reflect
>>the output in the datum selected, as Garmin does.  Thus, error
>>propagation.
>>
```

>
> Well, here's the fun part: I don't know if any APRS programs
> account for this. People use NAD27 at times around here to match
> their paper maps or perhaps a street map program, then use the same
> GPS with APRS and don't change the datum.

While we dictate that the official datum for APRS use is WGS-84, there's
no place to specify a different one.

> I remember from several years back that Garmin was one of the first
> to start changing the NMEA numbers based on the display datum.
> Perhaps others followed. I definitely remember reading that several
> GPS's way back when always sent out WGS84 positions no matter what
> datum was selected for display on the GPS itself, and that Garmin
> was the oddball at the time.

Nope, Motorola had selectable datums, and the NMEA output reflected the
selectable datum. Trimble, who decided they defined the market, always
put WGS-84 data out, regardless of what was on the front panel, which
was, in its own cute way, internally consistent.

The Interface Control Document does not address this issue.

> If the APRS programs look for the proprietary Garmin string that
> states the datum and do a datum translation on the incoming NMEA
> positions, things'd be fine. I doubt many of the programs do that.

Garmin's proprietary string does this... I'd forgotten. But, I tend to
not have a Garmin handy, so even if we change the spec, I'll still just
have to plod along, and tell my receivers to send in standard WGS84
datum... the datum that was created for use with GPS!

> Repeat coding times the number of different proprietary strings and
> formats that might come from other GPS manufacturers. I don't think
> the datum is listed in any of the generic strings ($GP*).

Not to the best of my knowledge.

gerry

--
Gerry Creager -- gerry@cs.tamu.edu
Network Engineering
Academy for Advanced Telecommunications and Learning Technologies
Texas A&M University   979.458.4020 (Phone) -- 979.847.8578 (Fax)

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145. [aprssig] Re: Stolen car

From: Matthew Stennett <WA4TKG@attbi.com>
Date: Mon, 08 Apr 2002 23:09:49 -0400
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: TAPR APRS Special Interest Group <aprssig@lists.tapr.org>
Message-ID: <LYR842-73003-2002.04.08-22.43.32--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

" Annie; Get your GUN ".

Go GET 'em boy.

Dave Kaplan wrote:

> Bad news and good news.
>
> My brand new Suburban was stolen last night.
>
> The good news is that I got one position report off the tracker.

```
> WB0WNX-3>TR2Q5V,WB0WNX-6,WB0WNX-4,K0BOY-1*:'|4Pl j/]
>
> Can someone help me translate this into Lat/Long and tell me if it is:
>
> Degree Minutes Seconds
> or
> Degrees Minutes Tenths.
>
> Also, what datum would it be?
>
> Can't fill you in on the details yet, but it is important if this position
> is someone's driveway or not.
>
> Dave
> WB0WNX-3 Stolen Suburban
>
> ---
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```

---

146. [aprssig] Re: Stolen car

From: Mark Fellhauer <sparkfel@qwest.net>
Date: Mon, 08 Apr 2002 22:10:37 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-73004-2002.04.08-22.44.38--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

```
At 09:53 PM 4/8/02, Ryan Tourge wrote:

>http://www.findu.com/cgi-bin/find.cgi?call=WB0WNX-3


Looks like it was heading south from Dave's QTH.  My bet is that it was on
its way to Lincoln, NE to be parted out for crack money.   The aerial photo
from the Terra Server is interesting, though.   I hope they didn't just
ditch it in the river.

Sorry, Dave...

Mark
KC7BXS




---
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```

---

147. [aprssig] (OT)cracker in nashville

From: <gavingroce@yahoo.com>
Date: Mon, 8 Apr 2002 22:51:34 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-73020-2002.04.08-23.25.45--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

```
Cracker will be in Nashville on Apr 14, 2002.
Don't know if they will have the aprs setup going but it would be cool to
check 'em out... to bad I have to work.

See http://www.wrlt.com/indexa.html for more on the show...

(from findu.com)
"No, Keebler isn't putting APRS on the elves...turns out that the lead
singer of the band Cracker is a ham, and has a D-7 along on the tour bus!
Their web guys did one of the coolest pages ever with findU data:
http://whereiscracker.contentproject.com/ "
```

____

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148. [aprssig] Re: recordign screen shots in windows?

From: Mark Fellhauer <sparkfel@qwest.net>
Date: Mon, 08 Apr 2002 23:12:40 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-73024-2002.04.08-23.46.39--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

At 09:25 PM 4/8/02, Wes Johnston wrote:

>How can I record screen shots in AVI format? All the details... mouse
>pointer showing motion yadda yadda yadda.... It's for an aprs presentation.

Wow, that's a BIG question, and there are many ways to attack that problem. None of them are easy or cheap, though. At least none that I know of.   Hey, but if you buy the Solo 9300 I'm selling it has all the hardware and software built-in to do it.   Really, we use(d) this laptop to make Powerpoint demos with video for court presentations.

I'm not aware of any software that will directly dump a moving screen capture to streaming video without any intermediary hardware, but then again, I've never looked.   I could use something like that, though.

My advice would be to dump the display to an SVGA-to-NTSC converter and then to a VCR (preferably S-video for the converter and and S-VHS for the VCR).   And then I would use something like a Dazzle (www.dazzle.com) or video capture card to turn the video into an MPG or AVI.   You could probably get by doing the whole thing with an ATI Radeon ALL-in-Wonder card and a VCR.   The retail version of the Radeon All-in-Wonder card comes with Ulead Video Studio 5.0, which is fine for making and editing small video clips. Remember, you'll need a pretty high-end computer for good results, though. I would say at least a 600 MHz PIII with 128 MB of RAM.

If it were me, I'd dump the SVGA display to an SVHS deck with my ATI video card's S-Video port, and then drive over to my office. I would then feed the video into our Avid Meridian with one of our JVC or Panasonic SVHS commercial edit decks. Then I would use Avid Xpress to edit the video and lay in a music score and convert it to an AVI or MPG. Then I would dump the video clips over to a work station with a CD burner via Ethernet and burn the clips to a CD...

But, then again, I work in a commercial video production lab... ;)

73,

Mark
KC7BXS

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149. [aprssig] Re: recordign screen shots in windows?

From: David L Norris <dave@webaugur.com>
Date: 09 Apr 2002 01:02:45 -0500

To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: "TAPR APRS Special Interest Group <aprssig@lists.tapr.org>
<LYR26593-72997-2002.04.08-22.02.55--kg9ae#webaugur.com@lists.tapr.org>"
<LYR26593-72997-2002.04.08-22.02.55--kg9ae#webaugur.com@lists.tapr.org>
Message-ID: <LYR842-73041-2002.04.09-01.36.45--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

On Mon, 2002-04-08 at 21:25, Wes Johnston wrote:

> How can I record screen shots in AVI format? All the details... mouse
> pointer showing motion yadda yadda yadda.... It's for an aprs presentation.

Windows Media Encoder:
http://www.microsoft.com/windows/windowsmedia/wm7/encoder.asp

WME claims to support full narration and such for producing "training
videos" and tutorials. Look for "screen capture" tools and codecs.
They used to have a specialized program for capturing screen movements.
But, I can't recall the name. I used it once years ago. It would
generate an AVI and optionally a standalone executable. Maybe part of
Office or PowerPoint or something.

Caveat: I've never used WME and have no clue how/if it works.

--
David Norris
Dave's Web - http://www.webaugur.com/dave/
Augury Net - http://augur.homeip.net/
ICQ - 412039

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150. [aprssig] Re: Looking for a simple GPS

From: "Scott Anderson" <scottra@usa.net>
Date: Tue, 9 Apr 2002 5:18:26
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-73044-2002.04.09-05.52.05--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

On 04/07/02, "robert boeckman <machead@integraonline.com>" wrote:

> I am looking for a GPS to use for a tracker. Does anyone have
> recommendations for a simple unit? Because it use is a tracker I
> don't need bells and whistles!

The Magellan 310 is a fairly simple one as far as handheld units go, and
compusa has them on for $50 including a coupon for a cable. It looks like
they are sold out on line, but if you check here:
http://www.compusa.com/products/product_info.asp?product_code=280847
you can search for bricks and mortar availability.. I've never used one, I
just ran across this deal.

best regards,
scott anderson, VE7OLF

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151. [aprssig] Re: recordign screen shots in windows?

From: "Ev Tupis (W2EV)" <w2ev@arrl.net>
Date: Tue, 09 Apr 2002 06:22:34 -0400
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-73046-2002.04.09-05.56.34--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

David L Norris wrote:

>
> On Mon, 2002-04-08 at 21:25, Wes Johnston wrote:
> > How can I record screen shots in AVI format? All the details... mouse
> > pointer showing motion yadda yadda yadda.... It's for an aprs presentation.

http://www.tucows.com/mmedia/preview/195062.html

Ev, W2EV

```
---
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```

152. [aprssig] Re: Question about using an HTX202 as a tracker

```
From: "Mike Yetsko" <myetsko@insydesw.com>
Date: Tue, 9 Apr 2002 06:58:04 -0400
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-73048-2002.04.09-06.31.30--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain
```

```
I think the question was a little more subtle than that,  With a lot of
pieces
of equipment, if you have an external power source attached, it MAY,
even with the switch off, bias the interface to any internal lithium cell
so
that the 'backup' power now comes from the power source, not the
lithium cell.

This really isn't THAT much of an issue on the HTX-202, but on some
pieces of equipment that drain the lithium cells fairly fast, it can be
important.

The problem is probably one of perception.  The HTX-202 (and 404s)
had a reputation for burning out the lithium cells for a while.  This was
actually unfounded.  What happened was the replacement cells from
RS evidently got a reputation for not lasting very long.  I can only
guess,
of course, but I suspect that the replacement cells were part of the
original 'replacement parts' in inventory provided by Maxon at the end of
the production run for the HT, and as a result were as old in stock as
the units themselves.

I know I personally bought a replacement from RS that lasted less than
year in my HT, so when it went again, and my other HT went, I wired in
'generic' coin batteries.  And they are still in there.  Once over 4 years
now.

Mike

----- Original Message -----
From: "KC7ZRU - Tate" <kc7zru@arrl.net>


> The HTX-202 uses an internal, buttun cell battery to keep it's memory.
>
> What you have planned should work just fine
>
> 73
>
> Paul Jacques wrote:
> >
> > Hi,
> > I'm building a tracker using an HTX202,a TinyTrak II
> > and a Pharos GPS. I want to leave the HTX power switch
> > on, keep it inside an enclosure and have a case
> > mounted power switch to turn power on to the THX, GPS
> > and TNC.
> > My question is, if I remove the battery from the HTX
> > and only power it through it's top connector, with no
> > power applied will the HTX eventually lose it's stored
> > settings?
> >
> > Thanks,
> > Paul
> > WB6IWT



---
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```

153. [aprssig] Re: Question about using an HTX202 as a tracker

From: "David D" <brozgrimm@hotmail.com>
Date: Tue, 09 Apr 2002 11:01:56 +0000
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-73049-2002.04.09-06.35.40--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

I've been running an HTX-202 for at least 2-3 years as a tracker connected
to a TinyTrak II. It was originally connected up to a TinyTrack, but I
upgraded
earlier this year to the newer firmware tracker. I've not boxed it up as it
sits
on the floor of my van under the seat strapped to a piece of masonite.

In all that time, only once did the permanent memory in the HTX-202 get
scrambled. At first, I thought the internal battery had died, but after
resetting
the RAM, the unit has been fully operational since.

--david

>----- Original Message -----
>From: "Paul Jacques" <paulrjacques@yahoo.com>
snip
> > I'm building a tracker using an HTX202,a TinyTrak II
> > and a Pharos GPS. I want to leave the HTX power switch
> > on, keep it inside an enclosure and have a case
> > mounted power switch to turn power on to the THX, GPS
> > and TNC.
> > My question is, if I remove the battery from the HTX
> > and only power it through it's top connector, with no
> > power applied will the HTX eventually lose it's stored
> > settings?

____
Chat with friends online, try MSN Messenger: http://messenger.msn.com

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154. [aprssig] Re: Stolen car

From: "Mike Yetsko" <myetsko@insydesw.com>
Date: Tue, 9 Apr 2002 07:35:08 -0400
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-73050-2002.04.09-07.08.15--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Well, according to FINDU your car at 2:23am (Monday morning my time,
you may be 1 or 2 hours off) was at a location that seems to be a fairly
isolated and remote spot that the police I'm sure would be very interested
in checking out...

Mike

----- Original Message -----
From: "Dave Kaplan" <dkaplan@steffeninc.com>
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Sent: Monday, April 08, 2002 10:40 PM
Subject: [aprssig] Stolen car

> Bad news and good news.
>
> My brand new Suburban was stolen last night.
>
> The good news is that I got one position report off the tracker.
> WB0WNX-3>TR2Q5V,WB0WNX-6,WB0WNX-4,K0BOY-1*:'|4Pl j/]
>
> Can someone help me translate this into Lat/Long and tell me if it is:
>
> Degree Minutes Seconds
> or
> Degrees Minutes Tenths.
>
> Also, what datum would it be?
>
> Can't fill you in on the details yet, but it is important if this

```
position
> is someone's driveway or not.
>
> Dave
> WB0WNX-3 Stolen Suburban
>
>
> ---
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>
>



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155. [aprssig] findu questions

From: <gavingroce@yahoo.com>
Date: Tue, 9 Apr 2002 08:40:35 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-73057-2002.04.09-09.14.46--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

```
is there a list of geo files that are on the server? eg usa.geo
and how hard would it be to make a php/perl script to so you can enter an
address and have it extract the lat/lon out of the url and post it to find
u?
would be an internally ran script from my server here at the house...



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156. [aprssig] 1118 PCsat users

From: Bob Bruninga <bruninga@usna.edu>
Date: Tue, 9 Apr 2002 12:00:24 -0400 (EDT)
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: TAPR APRS SIG <aprssig@lists.tapr.org>
Message-ID: <LYR842-73077-2002.04.09-11.34.36--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

```
Steve Dimse, K4HG, did a query to his FINDU.COM APRS database and it shows
1118 separate calls relayed via PCsat through 8 April 2002.

The list is posted as a new item on the PCSAT Web page below.  The list
only shows calls, not number of hits.

de WB4APR@amsat.org, Bob

PCsat WEB  page     http://www.ew.usna.edu/~bruninga/pcsat.html


---
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157. [aprssig] Re: [amsat-bb] Re: SO-41

From: Bob Bruninga <bruninga@usna.edu>
Date: Tue, 9 Apr 2002 12:15:16 -0400 (EDT)
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: amsat-bb@AMSAT.Org

Message-ID: <LYR842-73078-2002.04.09-11.48.54--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

I have added SO-41 to the weekly FM Satellite Schedule and it offers a nice fill-in to the afternoons for voice operations. But it is not sun synchronous like AO-27 and UO-14, so its times will precess throughout the day as the months go by.

Mobile/FM Satellite Pass Periods for the week of 04-09-2002

```
Sats 06 07 08 09 10 11 12 13 14 15 16 17 18 19 20 21 22 23 00 01 02 03
---- -- -- -- -- -- -- -- -- -- -- -- -- -- -- -- -- -- -- -- -- -- --
AO27    ***********                      ***********
UO14       **********                      ***********
SO41 ********            *************
AO16        ***********                       **********
ISS                       ****************************** *
UO22 ******                       **********
OPAL * ***                      **********
NO44          *********** *            **************
NO45       * ** ***********           ** ************
Note:  Times are LOCAL SUN TIME for MID Northern Latitudes.
```

SOUTHERN HEMISPHERE PASS TIMES for the week of 04-09-2002

```
Sats 06 07 08 09 10 11 12 13 14 15 16 17 18 19 20 21 22 23 00 01 02 03
---- -- -- -- -- -- -- -- -- -- -- -- -- -- -- -- -- -- -- -- -- -- --
AO27 **********                             ***********
UO14    **********                             **********
SO41                                 ***********              ********
AO16      **********                             **********
ISS  ************** **                                       *********
UO22 ***                             **********
OPAL *                             ** **** ***                      **
NO44 ********** **                             * ** **********
NO45 ************                                ************ *
Note:  Times are LOCAL SUN TIME for MID Southern Latitudes.
```

de WB4APR, Bob

```
PCsat WEB  page     http://www.ew.usna.edu/~bruninga/pcsat.html
ISS-APRS FAQ:       http://www.ew.usna.edu/~bruninga/iss-faq.html
CUBESAT Designs     http://www.ew.usna.edu/~bruninga/cubesat.html
APRS LIVE pages     http://www.ew.usna.edu/~bruninga/aprs.html
APRS SATELLITES     http://www.ew.usna.edu/~bruninga/astars.html
MIM/Mic-E/Mic-Lite  http://www.toad.net/~wclement/bruninga/mic-lite.html
```

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---

158. [aprssig] Re: 1118 PCsat users

From: Alex <kr1st@amsat.org>
Date: Tue, 09 Apr 2002 13:03:14 -0400
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-73087-2002.04.09-12.36.51--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

That's pretty cool! It should be noted though that the list includes the same call multiple times if the callsign has been used with different SSIDs, so the 1118 separate calls does not mean necessarily mean 1118 different hams.

hmmm....how about a RAS (Relayed All SSIDs) Award?

73s,
--Alex

Bob Bruninga wrote:
>
> Steve Dimse, K4HG, did a query to his FINDU.COM APRS database and it shows
> 1118 separate calls relayed via PCsat through 8 April 2002.

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---

159. [aprssig] Just Copied From PC SAT

From: wa4tkg@attbi.com
Date: Tue, 09 Apr 2002 17:22:03 +0000
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-73090-2002.04.09-12.55.47--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

```
XE1KK-2>BEACON,PCSAT-1*:>EK09ki/- 5w+5/8 Mexico City

K0HZI>APRS,PCSAT-1* <UI R>:=4455.02N/09304.85W/- Jerry,
West St Paul, MN


KG4RXU>S4UP5S,PCSAT-1*,WIDE3-3 <UI R>:`n1]l :>/>
"7A}kfox@charter.net

KA2HZO-3>CQ,PCSAT-1*,FO29US,RON <UI>:HI JERRY FRM RON IN
NJ
```

I can't help noticing I didn't get DIGIed !
Maybe I did; I'll go check the web site/page.

---
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To unsubscribe send a blank email to leave-aprssig-842K@lists.tapr.org
Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

---

160. [aprssig] Re: findu questions

From: Steve Dimse <k4hg@tapr.org>
Date: Tue, 9 Apr 2002 13:21:18 -0400
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-73091-2002.04.09-12.57.16--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

>is there a list of geo files that are on the server? eg usa.geo

No list, because there are just a few, the idea is you make your own geos and leave them on your own server.

usa.geo
keys.geo
camano.geo (north of Seattle, see track.microship.com)
carib.geo (carribean)

there is one for each of the NWS radars, of the form rad_xxx.geo, where xxx is the three letter radar callsign.

>and how hard would it be to make a php/perl script to so you can enter an
>address and have it extract the lat/lon out of the url and post it to find
>u?
>would be an internally ran script from my server here at the house...

Sending your position to findu is easy with the inputpos cgi, you'd need to come up with a source for the geocoding. You could use MapBlast or another service, and parse out the lat/lon in the returned page. I've played a bit with this, the URL is pretty straightforward, this seems to be the smallest you can get away with, putting the address into AD2, AD3, and AD4:

http://www.mapblast.com/myblast/map.mb?CMD=GEO&AD2=4624+sw+64+ct&req_action=
crmap&AD4=USA&AD3=miami%2C+fl

This is far from perfect, putting in my Keys address:

http://www.mapblast.com/myblast/map.mb?CMD=GEO&AD2=189+Le+Grand+Lane&req_action=
crmap&AD4=USA&AD3=Cudjoe+Key%2C+fl

returns a position on Little Torch Key, 4 Keys and 6 miles from where I live. It is true that MapBlast, like most mapping sites, have a typo in the street name, calling it Le Gland Lane. However, entering that gives no match:

http://www.mapblast.com/myblast/map.mb?CMD=GEO&AD2=189+Le+Gland+Lane&req_action=
crmap&AD4=USA&AD3=Cudjoe+Key%2C+fl

Many times when I use this I get no match on good addresses, and therein lies the rub...

Parsing the lat/lon from the returned page is pretty easy. However, writing a

script that handles all the possible errors and ambiguities that occur is a more
difficult task, and the reason that I have not produced something like this. My
thought was to do it for the various near scripts, I'm not sure how useful the
position entry would be. If you come up with something robust let me know...

Steve K4HG

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Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

---

161. [aprssig] Re: 1118 PCsat users

From: Matt Steinhoff <mls@steinhoff.net>
Date: Tue, 9 Apr 2002 14:11:33 -0400
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: aprssig@lists.tapr.org
Message-ID: <LYR842-73094-2002.04.09-13.45.18--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

> From: Alex <kr1st@amsat.org>
> It should be noted though that the list includes the
> same call multiple times if the callsign has been
> used with different SSIDs, so the 1118 separate calls

I count 929 unique calls...
http://matt.steinhoff.net/pcsat.txt
Still impressive.

Matt (k4mls)

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To unsubscribe send a blank email to leave-aprssig-842K@lists.tapr.org
Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

---

162. [aprssig] Re: 1118 PCsat users

From: "Chris Rose" <kb8uih@arrl.net>
Date: Tue, 9 Apr 2002 17:18:12 -0400
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-73110-2002.04.09-16.52.03--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

What is the point of changing your SSID multiple times? I understand that
one can be home, one can be the car, one can be a digi. Any more than that
is taking time and resources from others that want to use the bird. If
someone is just sitting home and changing the id # just to say they are
making more contacts, its a waste of time and making it inoperable for
others.

Nomex is on.

Chris
KB8UIH

----- Original Message -----
From: "Alex" <kr1st@amsat.org>
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Sent: Tuesday, April 09, 2002 1:03 PM
Subject: [aprssig] Re: 1118 PCsat users

> That's pretty cool! It should be noted though that the list includes the
> same call multiple times if the callsign has been used with different
> SSIDs, so the 1118 separate calls does not mean necessarily mean 1118
> different hams.
>
> hmmm....how about a RAS (Relayed All SSIDs) Award?
>
> 73s,
> --Alex
>
>
> Bob Bruninga wrote:
> >
> > Steve Dimse, K4HG, did a query to his FINDU.COM APRS database and it
shows
> > 1118 separate calls relayed via PCsat through 8 April 2002.
>

```
> ---
> You are currently subscribed to aprssig as: kb8uih@arrl.net
> To unsubscribe send a blank email to leave-aprssig-842K@lists.tapr.org
> Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org
>
```

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To unsubscribe send a blank email to leave-aprssig-842K@lists.tapr.org
Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

---

163. [aprssig] APRS IS Status

From: "Roger Bille" <roger.bille@telia.com>
Date: Tue, 9 Apr 2002 23:57:23 +0200
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-73111-2002.04.09-17.31.04--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Dear all,

I have created a status page over the APRS IS (Internet System) servers that are currently up running. The information is mainly gathered through the normal aprs feed. Some extra information is taken from the servers status port. I have been doing this for some time but feel now ready to announce it. The page will show servers that have been heard the last 2 hours. Be aware that all information is not available for all type's of servers, for example UP time and number of users.

You can find the status page here: www.ahubswe.net/aprs_stat.asp

As you can see some fields provide some extra information that is not part of the normal feed.:
   Clicking on the server name go to the operators homepage
   Location for some server systems
   URL
   Port
   Email to the sysop
   Any comment

For the server operators: If you want to have any information added here about your server please send me a mail.

The main purpose of the page is to provide status for APRS IS servers and not IGATE's. But since many IGATE's are using aprsd that is also used by a number of APRS IS servers they are displayed. If any server that is listed on this page is only acting as an IGATE please let me know and I will take it off.
I will probably remove all servers for which I don't get a working URL/Port in the future. The same is valid if there are any servers that are missing, let me know.

Please send me any comments, suggestions, corrections etc about this page.

73 de sm5nrk/Roger

---

164. [aprssig] 1504 ISS Packet users

From: Bob Bruninga <bruninga@usna.edu>
Date: Tue, 9 Apr 2002 18:00:32 -0400 (EDT)
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: TAPR APRS SIG <aprssig@lists.tapr.org>, Steve Dimse K4HG <k4hg@tapr.org>
Message-ID: <LYR842-73112-2002.04.09-17.34.58--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Having reported 1118 PCsat users, Steve, K4HG went back and queried his
worldwide APRS database (findu.com) and similarly came up with 1504 ISS
packet users.

I put a text file of all those callsigns on my ISS-FAQ page below.

ISS-APRS FAQ: http://www.ew.usna.edu/~bruninga/iss-faq.html

de WB4APR, Bob

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To unsubscribe send a blank email to leave-aprssig-842K@lists.tapr.org
Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

---

165. [aprssig] 2002 Digital BASH at Dayton Hamvention

From: "John R. Ackermann" <jra@febo.com>
Date: Tue, 09 Apr 2002 18:17:11 -0400
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>

Message-ID: <LYR842-73116-2002.04.09-17.51.13--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Going to the Dayton Hamvention? Then plan to attend the annual Digital*BASH sponsored by TAPR and the Miami Valley FM Association to be held on Friday, May 17, 2002!

For reservations, please contact the TAPR office as described below.

What?

An event for the digitally-inclined ham, featuring:

- Buffet dinner (Prime Rib, Chicken, and Pasta)
- Keynote Address (Speaker to be named)
- TAPR special interest group meetings
- "Birds of a Feather" gatherings

When?

Friday evening, May 17, 2002
Doors open at 7:00 pm; dinner served at 7:30 pm
Speaker and meetings after dinner

Where?

Kohler's Banquet Center, 4548 Presidential Way, Kettering (39 40.75N, 84 08.43W), about 6 miles SE of downtown Dayton -- just off of East David Road. Detailed directions and maps are available on the TAPR web site (http://www.tapr.org/tapr/html/Fdayton.maps.html) or at the TAPR booth.

How?

Dinner requires advance registration and payment through TAPR. Tickets will be available at the TAPR booth on Friday, though we strongly encourage registration <before> Hamvention. The cost is $25.00 per person, tax and tip included.

All amateurs are welcome to attend, enjoy the speaker, and particpate in the meetings, although only those purchasing a dinner can eat.

To register, contact:
PACK*BASH
c/o TAPR
8987-309 E. Tanque Verde Road #337
Tucson, AZ 85749-9399

Phone: 972-671-TAPR (8277)
Fax: 972-671-8716
Internet: tapr@tapr.org

Visa/Mastercard Accepted

Who?

PACK*BASH is co-sponsored by TAPR -- Tucson Amateur Packet Radio, the national leader in digital communication -- and the Miami Valley FM Association, Dayton's packet radio club.

For more information (including maps), go to http://www.tapr.org/tapr/html/dayton.html#packetbash, or send email to tapr@tapr.org.

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Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

166. [aprssig] Fwd: TNC 2 & Paccomm Fireware

From: Earl Needham <needhame@yucca.net>
Date: Tue, 09 Apr 2002 16:24:39 -0600
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-73134-2002.04.09-18.01.40--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Can anyone help with this request from a ham in Australia who wants to operate a tracker? Please cc: all replies to vk3hjq@yahoo.com.au

Thanks,
Earl

>From: "vk3hjq John" <vk3hjq@yahoo.com.au>
>To: <KD5XB@AMSAT.ORG>
>Subject: TNC 2 & Paccomm Fireware
>Date: Fri, 5 Apr 2002 04:56:50 +1000
>X-Mailer: Microsoft Outlook Express 6.00.2600.0000
>
>
>Hi Earl,
>
>Name here is John vk3hjq and the home QTH is Tallangatta in Australia.
>
>I was just reading a message on the net by you referring to TNC-2's &
>paccomm firmware........
>
>Sorry to be a pain, but I have looked everywhere to get a copy of
>someone's setting file so that I can get my MFJ1270BT
>running as a APRS tracker, I have a new eprom with Paccomm 5.0.0 software
>installed, but I am not sure what all the settings
>should be now in the TNC, I hope you can help....
>
>Looking forward to your reply.
>
>Cheers John vk3hjq
><mailto:vk3hjq@yahoo.com.au>vk3hjq@yahoo.com.au
>www.vk3hjq.ipfox.com
>

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---

167. [aprssig] findu.com backup server thank you page

From: "Guy Story, KC5GOI" <kc5goi@kc5goi.net>
Date: Tue, 9 Apr 2002 17:27:33 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-73135-2002.04.09-18.10.04--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Hello everyone. I posted the credits page this eveing. I know the list is
not 100% complete since I do not ahve the latest mailings in my hand yet. If
there is a spelling error or a callsign is wrong, let me know and I will fix
it right up.

73

--
Guy Story, KC5GOI
Denton Texas
kc5goi@kc5goi.net

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To unsubscribe send a blank email to leave-aprssig-842K@lists.tapr.org
Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

---

168. [aprssig] Re: 1118 PCsat users

From: Ken Brown <W2KB@compuserve.com>
Date: Tue, 9 Apr 2002 21:14:38 -0400
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-73155-2002.04.09-20.48.34--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

>> Steve Dimse, K4HG, did a query to his FINDU.COM APRS database and it
shows
1118 separate calls relayed via PCsat through 8 April 2002. <<

Bob,

The number is higher than that since I'm not listed, and I watched my
D7A(G) succeed a couple of times. The HT was outside on the car roof and I
watched on the home APRS station moved to .825 for the pass. So it didn't
make findu. So the number is a lower limit.

73,

---Ken   W2KB@ARRL.net   VC-NJ   KofC

```
---
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Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org
```

169. [aprssig] Fw: [aprsplus] findu.com backup server thank you page

From: "Guy Story, KC5GOI" <kc5goi@kc5goi.net>
Date: Tue, 9 Apr 2002 21:17:15 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-73162-2002.04.09-21.48.37--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

```
This is what I get for writing email at work.  Sorry.
 http://www.kc5goi.net/findu/indu_credit_list.htm.

 73

 Guy




---
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To unsubscribe send a blank email to leave-aprssig-842K@lists.tapr.org
Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org
```

170. [aprssig] Findu credit list

From: John Kraus <jfkraus3@cox.net>
Date: Tue, 09 Apr 2002 23:37:41 -0400
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-73167-2002.04.09-23.10.44--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

```
I think the URL should be:  {note f in findu}

http://www.kc5goi.net/findu/findu_credit_list.htm

Don't ya just luv late nite typos:)  Keep up the good work

---
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Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org
```

171. [aprssig] Re: Fwd: TNC 2 & Paccomm Fireware

From: "Tim Cunningham" <tim_cunningham@mindspring.com>
Date: Tue, 9 Apr 2002 22:59:32 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: <vk3hjq@yahoo.com.au>
Message-ID: <LYR842-73201-2002.04.10-01.06.52--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

```
Here are settings I have used successfully with PacComm v5.0 firmware:

MYcall N8DEU-12
MYa RELAY
UN APRS VIA RELAY,WIDE2-2
LPATH APRS VIA RELAY,WIDE2-2
LOC E 6
MYP N8DEU
CTEXT >Send reports to N8DEU@N8DEU.#HSV.AL.USA.NOAM or n8deu@amsat.org
CMSG ON
CMSGD ON
BTEXT >Send reports to N8DEU@N8DEU.#HSV.AL.USA.NOAM or n8deu@amsat.org
B E 60
TXD 30


An explanation of each line follows:

1. Mycall - you have to program a call sign unless it is N0CALL.

2. MYalias - for mobile operation you do not need to be a RELAY
    unless you want to be one.

3. UNproto - unproto path used for BText packets. All BText data
```

will be transmitted using this APRS routing path.

4. LPATH - this is the unproto path for location beacons. All location beacons will be transmitted using this routing path.

5. Loc Every 6 - the programs the beacon rate in 10 second increments. In this case, 6 equates to every 60 seconds

6. MYP - sets the callsign for the internal PBBS. This is not necessary unless you want to activate your PBBS.

7. CTEXT - this is a message sent to all stations that try to connect to my TNC.

8. CMSG ON - instructs my TNC to send the CTEXT message if somebody attempts to connect to my TNC.

9. CMSGD ON - This instructs my TNC to disconnect anybody who attempts to connect to my TNC. This is UI packet and I do not want anybody to connect to it and tie it up being busy with a connection. Since I do not use the PBBS, there is no need for a remote connection so I make sure they cannot stay connected and prevent my beacons from being transmitted. Anybody attempting to connect to your tracker is being a nuisance.

10. BText - this message is a status message I transmit for information purposes. It must be preceded with the ">" if you want Kenwood radios and some APRS software to see it as a status message.

11. Beacon Every 60 - this sets the BText to be transmitted every 600 seconds or 10 minute intervals.

12. TXD - sets the transmit delay time to insure the transmitter is engaged and the frequency has stabilized before sending any packet data. It should also be long enough to allow systems that have a slow squelch circuit to open so they too can capture your data.

If your GPS transmits $GPGGA sentences through its serial port you can use the default setting for GPSTEXT which is $GPGGA. This instructs the TNC which sentence to load in the LTEXT buffer. This can be changed to grab other NMEA sentences, but it must be set to something that your GPS transmits, otherwise the TNC will not transmit a location beacon.

If your GPS transmits a $ sentence GPGGA you can leave the GPSTYPE set to the default of 1. This setting instructs the TNC to check for the string type that is entered into the GPSTEXT entry. There are other settings, but without knowing what GPS you are using there is not enough information to proceed with this topic.

You can also program LG1TEXT, LG2TEXT, or LG1TEXT to grab other NMEA sentences if desired. LG1TEXT defaults to $GPVTG.

If you need to send an initialization string to your GPS you can use the GPSITEXT setting

Make sure the baud rate of your GPS matches the baud rate of the TNC serial ports setting.

You will have to issue a GPS ON command at the CMD: prompt before removing your serial cable from the TNC and connecting your GPS to the TNC serial port. If you attempt to talk to the TNC with your computer at this point it will not listen until you send a backslash "\" or the symbol set in the GPSEXIT setting which defaults to "\".

Just plug your GPS into the serial port of the TNC and you are ready to roll.

I hope this helps you with your tracker using the PacComm version 5.0 firmware. There are many other settings that can used, but these are the basics for using the TNC as a Tracker.

73's,

Tim - N8DEU
Huntsville, Alabama

----- Original Message -----
From: "Earl Needham" <needhame@yucca.net>
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Sent: Tuesday, April 09, 2002 5:24 PM
Subject: [aprssig] Fwd: TNC 2 & Paccomm Fireware

>
>   Can anyone help with this request from a ham in Australia who
> wants to operate a tracker? Please cc: all replies to
vk3hjq@yahoo.com.au
>
>   Thanks,
>   Earl
>
> >From: "vk3hjq John" <vk3hjq@yahoo.com.au>
> >To: <KD5XB@AMSAT.ORG>
> >Subject: TNC 2 & Paccomm Fireware
> >Date: Fri, 5 Apr 2002 04:56:50 +1000
> >X-Mailer: Microsoft Outlook Express 6.00.2600.0000
> >
> >
> >Hi Earl,
> >
> >Name here is John vk3hjq and the home QTH is Tallangatta in
Australia.
> >
> >I was just reading a message on the net by you referring to TNC-2's &
> >paccomm firmware........
> >
> >Sorry to be a pain, but I have looked everywhere to get a copy of
> >someone's setting file so that I can get my MFJ1270BT
> >running as a APRS tracker, I have a new eprom with Paccomm 5.0.0
software
> >installed, but I am not sure what all the settings
> >should be now in the TNC, I hope you can help....
> >
> >Looking forward to your reply.
> >
> >Cheers John vk3hjq
> ><mailto:vk3hjq@yahoo.com.au>vk3hjq@yahoo.com.au
> >www.vk3hjq.ipfox.com
> >
>
>
> ---
> You are currently subscribed to aprssig as:
tim_cunningham@mindspring.com
> To unsubscribe send a blank email to
leave-aprssig-842K@lists.tapr.org
> Questions regarding the SIG go to the SIG administrator:
wa1lou@tapr.org
>

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To unsubscribe send a blank email to leave-aprssig-842K@lists.tapr.org
Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

172. [aprssig] Garmin II+

```
From: w.nolle@mchsi.com
Date: Wed, 10 Apr 2002 07:30:24 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-73206-2002.04.10-08.04.05--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain
```

```
Has anybody had their memory battery go low and what did
you have to do to fix this. Garmins web site claims it will cost
$89.00 to repair it.

Did anyone have this happen and how did you fix it?.

Bill wa8inz



---
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Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org
```

---

173. [aprssig] smart beaconing?

```
From: wes@johnston.net
Date: Wed, 10 Apr 2002 05:31:34 -0700 (PDT)
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-73207-2002.04.10-08.05.22--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain
```

```
Was talking to my dad (kr4ft) last night about smart beaconing and he had one
heck of an idea.  Poor man's smart beacon.... tie the CD pin to the brake
lights in your car.  Each time you hit the brakes the TNC thinks the channel is
clear, and if it wants to will TX a posit.  Of course you need to wire a 555
timer to the TX inhibit line so that you get a TX "all clear" every 3 minutes
or so whether you hit the brakes or not.

This could add smart beaconing to many "dumb" devices like KPC3's and MIC-E's...

Wes

---
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To unsubscribe send a blank email to leave-aprssig-842K@lists.tapr.org
Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org
```

---

174. [aprssig] Re: 1118 PCsat users

```
From: Bob Bruninga <bruninga@usna.edu>
Date: Wed, 10 Apr 2002 08:53:13 -0400 (EDT)
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: TAPR APRS Special Interest Group <aprssig@lists.tapr.org>
Message-ID: <LYR842-73208-2002.04.10-08.26.58--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain
```

```
Thanks!
That is a good point.


Bob

On Tue, 9 Apr 2002, Ken Brown wrote:

> >> Steve Dimse, K4HG, did a query to his FINDU.COM APRS database and it
> shows
> 1118 separate calls relayed via PCsat through 8 April 2002. <<
>
> Bob,
>
> The number is higher than that since I'm not listed, and I watched my
> D7A(G) succeed a couple of times.  The HT was outside on the car roof and I
> watched on the home APRS station moved to .825 for the pass.  So it didn't
> make findu.  So the number is a lower limit.
>
> 73,
>
> ---Ken         W2KB@ARRL.net      VC-NJ     KofC
>
> ---
> You are currently subscribed to aprssig as: bruninga@usna.edu
> To unsubscribe send a blank email to leave-aprssig-842K@lists.tapr.org
> Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org
>
```

```
de WB4APR@amsat.org, Bob

PCsat WEB  page     http://www.ew.usna.edu/~bruninga/pcsat.html
ISS-APRS FAQ:       http://www.ew.usna.edu/~bruninga/iss-faq.html
CUBESAT Designs     http://www.ew.usna.edu/~bruninga/cubesat.html
APRS LIVE pages     http://www.ew.usna.edu/~bruninga/aprs.html
APRS SATELLITES     http://www.ew.usna.edu/~bruninga/astars.html
MIM/Mic-E/Mic-Lite  http://www.toad.net/~wclement/bruninga/mic-lite.html


---
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Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org
```

---

175. [aprssig] Re: Garmin II+

From: "Mike Yetsko" <myetsko@insydesw.com>
Date: Wed, 10 Apr 2002 09:23:10 -0400
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-73209-2002.04.10-08.56.30--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

```
It's a 'sealed' unit that has to be opened.  I suppose you could open
it yourself, but you wouldn't be guaranteed to maintain the integrity
of the seal when you closed it back up.  The GPS II+ is 'dunk proof'
up to I think 10 Meters.  (If it's deeper than that, are you going to
get it back anyway?)

Mike

----- Original Message -----
From: <w.nolle@mchsi.com>


> Has anybody had their memory battery go low and what did
> you have to do to fix this. Garmins web site claims it will cost
> $89.00 to repair it.
>
> Did anyone have this happen and how did you fix it?.
>
> Bill wa8inz



---
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```

---

176. [aprssig] question

From: "stephen" <sgalow@ihug.com.au>
Date: Wed, 10 Apr 2002 23:25:45 +1000
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: <ozaprs@marconi.ics.mq.edu.au>
Message-ID: <LYR842-73210-2002.04.10-08.56.35--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

```
i seem not to be able to use the winaprs251 from tapr.org

is there another free program that can still listen on tcp/ip for aprs

i'm  using win2k pro with sp2 with pre sp3 service pack's install

and i get errors on install
with winaprs it will not connect to www.aprs.net:10151

stephen



---
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Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org
```

---

177. [aprssig] Re: Garmin II+

From: Earl Needham <needhame@yucca.net>
Date: Wed, 10 Apr 2002 07:44:05 -0600

To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-73212-2002.04.10-09.17.50--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

At 07:30 AM 4/10/2002 -0500, w.nolle@mchsi.com wrote:
>Has anybody had their memory battery go low and what did
>you have to do to fix this. Garmins web site claims it will cost
>$89.00 to repair it.
>
>Did anyone have this happen and how did you fix it?.

Bill, you should call Garmin and ask them directly. mine went bad
a few months ago, and they replaced that battery for free. Seems they had
a batch of bad ones and they're honoring a longer warranty on them. I
think it was 5 years, but you really should call them to ask.

7 3
Earl

Earl Needham, KD5XB, Clovis, New Mexico
KD5XB-2>APW251,PCSAT-1*:=3425.83N/10313.55W-PHG7150/WinAPRS 2.5.1
-EARL_CLOVIS -251-<630>
Did you get a letter from Nigeria offering a "deal"? See
http://home.rica.net/alphae/419coal/ and
http://www.crimes-of-persuasion.com/Crimes/Business/nigerian.htm

---
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Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

---

178. [aprssig] url error

From: "Guy Story, KC5GOI" <kc5goi@kc5goi.net>
Date: Wed, 10 Apr 2002 08:39:35 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-73216-2002.04.10-09.22.25--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

It has been brougt to my attention that the url I sent was missing the f in
findu_credit_list.htm. That is what I get for sending email from work. I
created a duplicate page with out the f. I have not added links on the two
other paged just yet but it is on the list of things to do. All 4 urls are
listed below. The list does not include what the TAPR office has. They are
planning the trip to Dayton for Hanvention and I will get them from the
office manager then. Sorry for the error. Been trying to rebuild a clients
pc that crashed on saturday. It helps if they bring all, and I mean all, the
software and driver disks the first time.

http://www.kc5goi.net/findu

http://www.kc5goi.net/findu/status.html

http://www.kc5goi.net/findu/findu_credit_list.htm

http://www.kc5goi.net/findu/indu_credit_list.htm

73

--
Guy Story, KC5GOI
Itel-Tigerbyte LLC
gstory@tigerbyte.com
940.891.4575

---
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Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

---

179. [aprssig] What's With PC SAT ?

From: wa4tkg@attbi.com
Date: Wed, 10 Apr 2002 14:53:35 +0000
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-73219-2002.04.10-10.27.16--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

According to the PC SAT live web page, there's been no one
uplinked to it within the last 12 hours or so, aside from
an Italian station.....what's the problem ?
I'll go back to the BBS frequency in my area if it's gone
on the blink again.

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Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

---

180. [aprssig] Time stamp or inter version problem?

From: "Richard Amirault" <ramirault@erols.com>
Date: Wed, 10 Apr 2002 11:41:43 -0400
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-73223-2002.04.10-11.16.07--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Well, I had time to do a bit of investigating re: the local WX station
(N2UEM) that does not always appear on my APRSdos screen.

To recap: I see plenty of packets each hour (8 to 12) but seldom see the
icon on my screen.

I had some time today to watch the raw packet screen. I found he's running
the Macintosh version of APRS. I also thought (but not sure) that I saw
two different WX formatted packets. One *with* a time stamp, and one
without a time stamp. The one without a timestamp is the only one that
shows up on my APRSdos screen.

The timestamp with the other packet is for the correct day and time, but
APRSdos converts it to UTC and so it becomes 4 hours old and fades the icon
out.

Is this a problem with my program, his program, or his computer clock
setting, or ......??

Richard Amirault   N1JDU   Boston,
MA, USA
ramirault@erols.com   "Go Fly A Kite"
http:// www.erols.com/ramirault

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Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

---

181. [aprssig] Re: What's With PC SAT ?

From: Bob Bruninga <bruninga@usna.edu>
Date: Wed, 10 Apr 2002 12:05:14 -0400 (EDT)
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: TAPR APRS Special Interest Group <aprssig@lists.tapr.org>
Message-ID: <LYR842-73233-2002.04.10-11.38.57--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

SOmething wrong with the APRS-internet system I suspect PCsat was alive
and well on the last pass here..

bob

On Wed, 10 Apr 2002 wa4tkg@attbi.com wrote:

> According to the PC SAT live web page, there's been no one
> uplinked to it within the last 12 hours or so, aside from
> an Italian station.....what's the problem ?
> I'll go back to the BBS frequency in my area if it's gone
> on the blink again.
>
> ---
> You are currently subscribed to aprssig as: bruninga@usna.edu
> To unsubscribe send a blank email to leave-aprssig-842K@lists.tapr.org
> Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org
>

de WB4APR@amsat.org, Bob

PCsat WEB page   http://www.ew.usna.edu/~bruninga/pcsat.html
ISS-APRS FAQ: http://www.ew.usna.edu/~bruninga/iss-faq.html

```
CUBESAT Designs     http://www.ew.usna.edu/~bruninga/cubesat.html
APRS LIVE pages     http://www.ew.usna.edu/~bruninga/aprs.html
APRS SATELLITES     http://www.ew.usna.edu/~bruninga/astars.html
MIM/Mic-E/Mic-Lite  http://www.toad.net/~wclement/bruninga/mic-lite.html


---
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```

182. [aprssig] Re: Time stamp or inter version problem?

From: "Richard Amirault" <ramirault@erols.com>
Date: Wed, 10 Apr 2002 12:05:43 -0400
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-73234-2002.04.10-11.40.13--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

```
Whoops! Correction ... the "non-time-stamped" packet is not a WX packet.

It is a station ID packet with *no* WX information ... however, once I
received *that* packet *then* the WX info previously received is assigned
to it and I see the icon. I understand Mac / Windows versions send this
'second type' of packet when running WX mode, as opposed to the single
APRSdos WX packet. But this 'second' packet is not sent as often, I think,
as the WX packets are.

Richard Amirault                          N1JDU               Boston,
MA, USA
ramirault@erols.com              "Go Fly A Kite"
http:// www.erols.com/ramirault


---
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```

183. [aprssig] Re: Time stamp or inter version problem?

From: Bob Bruninga <bruninga@usna.edu>
Date: Wed, 10 Apr 2002 13:12:03 -0400 (EDT)
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: TAPR APRS Special Interest Group <aprssig@lists.tapr.org>
Message-ID: <LYR842-73243-2002.04.10-12.45.45--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

```
On Wed, 10 Apr 2002, Richard Amirault wrote about packets from MacAPRS:

> It is a station ID packet with *no* WX information ... however, once I
> received *that* packet *then* the WX info previously received is assigned
> to it and I see the icon. I understand Mac / Windows versions send this
> 'second type' of packet when running WX mode, as opposed to the single
> APRSdos WX packet. But this 'second' packet is not sent as often, I think,
> as the WX packets are.

This is why I never liked the positionless weather packets...  They are
useless without a position too...  MacAPRS only sends a position once
every 30 minutes or so.  If you miss one or two of these, then it could be
an hour or two without a position.  Meanwhile the WX data is useless.

If your network is busy, and in an hour-or-two the MacAPRS station could
be bumped off the bottom of the Positions list as old.  Then the next
positionless WX packet comes in and there is no position to assign the
data to!

APRS was designed to be a REAL-TIME system with each packet being
complete and without dependence on any other packets or prior knowledge..
It does not make sense to wait 30 minutes to an hour to find out where the
WX data is supposed to be plotted...

Not only APRSdos, but all the Kenwoods, and HAMHUDS and any other system
with limited memory has the same problem with Mac/Win weather data.
Weather data transmitted in the positionless format is often of no value
because there is no position data telling the end user where it is...

APRSdos uses the original "complete" weather format that stands alone.
Although it includes 16 characters of position overhead in each packet, it
does not then need to send an additional 100+ byte POSIT packet every 30
minutes.  Thus, it is complete at all times, and it uses less channel
```

bandwidth.

de WB4APR, Bob

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Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

---

184. [aprssig] PCsat Power management

From: Bob Bruninga <bruninga@usna.edu>
Date: Wed, 10 Apr 2002 13:33:37 -0400 (EDT)
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-73246-2002.04.10-13.07.32--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Here is a summary of power demand on PCsat:

PCsat low power mode saves us about 35% from RESET mode. But with some aggressive commanding during this last power minimum we found an additional 14% savings by turning off all periodic packets except the bare minimum.

We don't lose anything, because I have modified our PCSAT Command program (running on all continents) to transmit the BULLETINS and STATUS from the ground. Thus, the users on most continents still see the current status, but PCsat then does not keep sending them over the other 90% of its orbit where there are no users. These packets will look like this:

   OPS-min. No dark ops please. Command Stn sends.

Here are the numbers which show the whole-orbit average power required to transmit each kind of packet... Remember there are two TNC's and both are dual port, and both can be crossconnected to both transmitters in fail-safe mode (RESET). When crossconnected, transmit power is doubled.

```
 PACKET      1200/9600  DEFAULT X-CNCTD NEW-PLAN  FINAL
 ----------- ---------  ------- ------- -------- ------
 A-TLM every  1/3 min   13 ma    26 ma     1/0   10 ma
 B-TLM every  3/1 min   13 ma    26 ma     1/0   10 ma
 A-BText      3/3 min    7 ma    14 ma     5/0    4 ma
 B-BText      3/3 min    7 ma    14 ma     5/0    4 ma
 A-BLTNS    4@6/6 min   13 ma    26 ma   1@6/0    2 ma
 B-BLTNS    4@6/6 min   13 ma    26 ma   1@6/0    2 ma
 --------------------   ------- ------           ------
 TOTAL XMT LOADS        66 ma   128 ma           32 ma


 UHF RX's               70 ma    70 ma   off      2 ma
 TNC/RX fixed load     140 ma   140 ma   on     140 ma
                       ------   ------          ------
 TOTAL LOADS           276 ma   342 ma          174 ma
```

User load only occurs over about 10% of the earth, so if user demand about equals the ALOHA standard of less than say 20% when over the HAM populations, then the user load is less than 5% of total power budget. Over the USA, user demand is on that order. But I dont know what it is over Europe.

If someone in Europe wants to add up the average user packets-per-minute over a pass, this will help us guestimate how best to manage the user load. Dont send me files, just count packets per minute (not counting PCsat's own packets).

If User load is low enough, we might be able to go back to night ops..

de WB4APR, Bob

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Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

185. [aprssig] More Findu Donations and info

From: "Spider" <spider@rivcom.net>
Date: Wed, 10 Apr 2002 11:43:35 -0700
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-73257-2002.04.10-14.17.26--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

```
Here are some more donations...

Bill, K5LPS
Gary, N1EDZ
Charles, AA5QJ

For a total of $225.00

I'll be shutting down the credit card processing within the next few days on
this project.  If you want to donate online, please do so now.  Odds are
Friday will be the last day.
I figure the dollar amount collected is now very very near the original
goal.

Jim - WA6OFT




---
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```

---

186. [aprssig] Re: smart beaconing?

From: "Ramon F. Kolb" <ramon@ieee.org>
Date: Wed, 10 Apr 2002 15:37:47 -0400
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-73262-2002.04.10-15.12.03--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

```
Of course, that would only work for those people that drive a vehicle with
automatic transmission, who actually need to brake for their vehicle to slow
down. Standard transmission drivers shift down (or just release the gas
pedal) to slow down, and only break if that's not enough...

In the end, it's probably more work and more expensive to connect a 555 to
the break light than it is to build a TinyTrack-2... which gives you "real"
smart-beaconing.

--Ramon W1/PA3EUG, Boston, MA, USA [FN42KI]
Join BEACONet^31 at 28.131! See http://go.to/BEACONet and
http://pa3eug.webhop.org/beaconet . ICQ 77117744

----- Original Message -----
From: <wes@johnston.net>
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Sent: Wednesday, April 10, 2002 08:31
Subject: [aprssig] smart beaconing?


> Was talking to my dad (kr4ft) last night about smart beaconing and he had
one
> heck of an idea.  Poor man's smart beacon.... tie the CD pin to the brake
> lights in your car.  Each time you hit the brakes the TNC thinks the
channel is
> clear, and if it wants to will TX a posit.  Of course you need to wire a
555
> timer to the TX inhibit line so that you get a TX "all clear" every 3
minutes
> or so whether you hit the brakes or not.
>
> This could add smart beaconing to many "dumb" devices like KPC3's and
MIC-E's...
>
> Wes
>
> ---
> You are currently subscribed to aprssig as: ramon@ieee.org
> To unsubscribe send a blank email to leave-aprssig-842K@lists.tapr.org
> Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org
>
```

```
---
You are currently subscribed to aprssig as: lyris.aprssig@tapr.org
To unsubscribe send a blank email to leave-aprssig-842K@lists.tapr.org
Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org
```

187. [aprssig] Re: [aprsplus] USB to Serial adapters

From: Earl Needham <needhame@yucca.net>
Date: Wed, 10 Apr 2002 15:22:35 -0600
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-73268-2002.04.10-16.56.39--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

```
At 04:09 PM 4/10/2002 -0400, WA8LMF@aol.com wrote:
><snip>
>I can't vouch for that particular one but the MCT USB-to-serial converter
>sold by Purple Computing (the source for the Garmin serial connector plug)
>works just fine with APRSplus (and various other serial-port-using programs I
>have tried).
>
>The price is very reasonable too; only $29.  The original one had a 6-foot
>cable. They now have a new version with only a 4" pigtail cable perfect for
>converting GPS devices that already have a long cable on them.

         I use one to connect to my UPS (it's a serial unit) and it works fine.

         Anybody know if you can use more than one?  I'd like to have 4
serial ports, but only have 2.  Two TNCs and the UPS take all the serial
ports I can muster, and I still need one more for another device.

         Thanks,
         Earl


Earl Needham, KD5XB, Clovis, New Mexico
KD5XB-2>APW251,PCSAT-1*:=3425.83N/10313.55W-PHG7150/WinAPRS 2.5.1
-EARL_CLOVIS -251-<630>
Did you get a letter from Nigeria offering a "deal"?  See
http://home.rica.net/alphae/419coal/ and
http://www.crimes-of-persuasion.com/Crimes/Business/nigerian.htm


---
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Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org
```

188. [aprssig] Re: [aprsplus] USB to Serial adapters

From: Earl Needham <needhame@yucca.net>
Date: Wed, 10 Apr 2002 15:27:21 -0600
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-73269-2002.04.10-17.03.07--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

```
At 03:22 PM 4/10/2002 -0600, Earl Needham wrote:
>At 04:09 PM 4/10/2002 -0400, WA8LMF@aol.com wrote:
>><snip>
>>I can't vouch for that particular one but the MCT USB-to-serial converter
>>sold by Purple Computing (the source for the Garmin serial connector plug)
>>works just fine with APRSplus (and various other serial-port-using programs I
>>have tried).
>>
>>The price is very reasonable too; only $29.  The original one had a 6-foot
>>cable. They now have a new version with only a 4" pigtail cable perfect for
>>converting GPS devices that already have a long cable on them.
>
>         I use one to connect to my UPS (it's a serial unit) and it works
> fine.

         Oops, sorry, wrong address...

         Earl


Earl Needham, KD5XB, Clovis, New Mexico
KD5XB-2>APW251,PCSAT-1*:=3425.83N/10313.55W-PHG7150/WinAPRS 2.5.1
-EARL_CLOVIS -251-<630>
```

```
Did you get a letter from Nigeria offering a "deal"?  See
http://home.rica.net/alphae/419coal/ and
http://www.crimes-of-persuasion.com/Crimes/Business/nigerian.htm


---
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To unsubscribe send a blank email to leave-aprssig-842K@lists.tapr.org
Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org
```

189. [aprssig] Re: [aprsplus] USB to Serial adapters

From: "hasan schiers" <schiers@netins.net>
Date: Wed, 10 Apr 2002 16:47:02 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-73270-2002.04.10-17.21.07--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

```
You can use as many as you have open USB ports for. I have used 3 at one
time without difficulty.  (MCT version on Win98SE).

The only problem I have ever had (and still do) is that after a reboot, the
USB > Serial Com Port numbers change...every time. It could be com 4, 5 or 6
depending on the reboot. It doesn't change the fact that they work, but
after each reboot I have to reconfigure the software that is using the port
to the "right" port number. Annoying, but I can live with it given I now
have a virtually unlimited number of serial ports....IF the software you are
running recognizes all the Windows available serial ports and has not built
into the software an artificial limit like no higher com number than
4....which some software does. I think at tone time WinAPRS supported up to
8. APRS+SA definitely supports higher port numbers. 73

hasan schiers, N0AN

schiers@netins.net
or use amsat.org or arrl.net remailer
----- Original Message -----
From: "Earl Needham" <needhame@yucca.net>
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Sent: Wednesday, April 10, 2002 4:22 PM
Subject: [aprssig] Re: [aprsplus] USB to Serial adapters


> At 04:09 PM 4/10/2002 -0400, WA8LMF@aol.com wrote:
> ><snip>
> >I can't vouch for that particular one but the MCT USB-to-serial converter
> >sold by Purple Computing (the source for the Garmin serial connector
plug)
> >works just fine with APRSplus (and various other serial-port-using
programs I
> >have tried).
> >
> >The price is very reasonable too; only $29.  The original one had a
6-foot
> >cable. They now have a new version with only a 4" pigtail cable perfect
for
> >converting GPS devices that already have a long cable on them.
>
>          I use one to connect to my UPS (it's a serial unit) and it works
fine.
>
>          Anybody know if you can use more than one?  I'd like to have 4
> serial ports, but only have 2.  Two TNCs and the UPS take all the serial
> ports I can muster, and I still need one more for another device.
>
>          Thanks,
>          Earl
>
>
> Earl Needham, KD5XB, Clovis, New Mexico
> KD5XB-2>APW251,PCSAT-1*:=3425.83N/10313.55W-PHG7150/WinAPRS 2.5.1
> -EARL_CLOVIS -251-<630>
> Did you get a letter from Nigeria offering a "deal"?  See
> http://home.rica.net/alphae/419coal/ and
> http://www.crimes-of-persuasion.com/Crimes/Business/nigerian.htm
>
>
> ---
> You are currently subscribed to aprssig as: schiers@netins.net
> To unsubscribe send a blank email to leave-aprssig-842K@lists.tapr.org
> Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org
>
>
```

```
---
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Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org
```

---

190. [aprssig] Re: [aprsplus] USB to Serial adapters

From: WA8LMF2@aol.com
Date: Wed, 10 Apr 2002 17:51:02 EDT
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-73271-2002.04.10-17.24.52--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

```
In a message dated 4/10/2002 2:17:33 PM Pacific Daylight Time,
needhame@yucca.net writes:

> Anybody know if you can use more than one?  I'd like to have 4
>  serial ports, but only have 2.  Two TNCs and the UPS take all the serial
>  ports I can muster, and I still need one more for another device.
>
>           Thanks,
>           Earl

Up to the limit of your USB port(s)/hub(s) to source operating current there
should be no reasonable limit on the number.  I have used two of the Purple
Computing adapters along with the original physical serial port on my laptop
with no problem.

[ I actually ran APRSplus with a KAM TNC on the original serial port,  the
SailSoft GPS simulator running in the same PC coming out of the first
USB-to-serial port connected via gender-changing null-modem to the second
USB-to-serial feeding the simulator into the GPS port of APRSplus. ]

Bear in mind that

1)  The USB-to-serial converter is an active device (there's actually a small
single-chip computer inside the DB9 connector) that draws 5VDC power from the
PC USB socket or hub it is plugged into.   This is in addition to power
consumed by the expansion hub itself (if used).  If you have a powered USB
hub (the kind that has a wall-wart to provide DC current for each output)
there should be no problem.

2) Most of the serial ports created by these devices will have identities
ABOVE COM4,  making them inaccessable to DOS and older 16-bit (Win 3.1-type)
Windows programs.
    Any proper native Win32 (i.e. Win95/98/2k/XP) program should have no
problem with high-order COM ports.   This is an issue of whether the setup
menu within a particular program will allow you to see and select a comport
higher than COM4.

Stephen H. Smith                   wa8lmf @ aol.com
Home Page:                         http://members.aol.com/wa8lmf
Ham Radio/Mobile SSTV page:        http://members.aol.com/wa8lmf/ham
APRS Stuff                         http://members.aol.com/wa8lmf/aprs
---------------------------------------------------------------------
|    Radio Communications Systems       Personal Computers
|                Consulting and Systems Integration
|    GPS Custom Mapping    &     Radio Coverage Surveys
|    File Conversions       MS-Windows Setups       VISCII Fonts
---------------------------------------------------------------------

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```

---

191. [aprssig] Re: More Findu Donations and info

From: "Spider" <spider@rivcom.net>
Date: Wed, 10 Apr 2002 15:05:20 -0700
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-73272-2002.04.10-17.39.13--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Here is what I've processed to date. I am keeping it public so that
everyone knows what is going on.
I might add that the following is ONLY what I have processed, not any
mail-in or any other form I was not involved with.
This is what I've sent in to the Denton County Amateur Radio Association,
after collecting donations via Pay Pal and my secure order form....
(Guy, the last two checks are probably still heading that way)

Check # 2800	$518.60
Check # 2802	$320.00
Check # 2803	$240.00
Check # 2805	$95.00
Check # 2812	$135.00
Check # 2818	$175.00
Check # 2820	$225.00
Total:	$1708.60

I did not understand your email in regards to TAPR delaying a payment from
collections they have received until Dayton?
Did I not understand correctly? If there is a delay, what possible reason
is there for that? You have a lot of people out here that assumed a back-up
server - solely for backing up Findu.com and nothing else - was needed and
they joined forces to get this done in a timely manner in the event the main
server croaked

Jim

Oh yeah, did I win a prize? :)

----- Original Message -----
From: "Guy Story, KC5GOI" <kc5goi@kc5goi.net>
To: "Spider" <spider@rivcom.net>
Sent: Wednesday, April 10, 2002 1:39 PM
Subject: Re: [aprssig] More Findu Donations and info

> Jim, I need to review everthing we have received but my rough guess is
3500 to
> 3700.
>
> Guy
>
> On Wednesday 10 April 2002 01:43 pm, you wrote:
> > Here are some more donations...
> >
> > Bill, K5LPS
> > Gary, N1EDZ
> > Charles, AA5QJ
> >
> > For a total of $225.00
> >
> > I'll be shutting down the credit card processing within the next few
days
> > on this project. If you want to donate online, please do so now. Odds
are
> > Friday will be the last day.
> > I figure the dollar amount collected is now very very near the original
> > goal.
> >
> > Jim - WA6OFT
> >
> > ---
> > You are currently subscribed to aprssig as: kc5goi@tapr.org
> > To unsubscribe send a blank email to leave-aprssig-842K@lists.tapr.org
> > Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org
>
> --
> Guy Story, KC5GOI
> Itel-Tigerbyte LLC
> gstory@tigerbyte.com
> 940.891.4575
>

```
>
```

```
---
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Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org
```

192. [aprssig] Re: [aprsplus] USB to Serial adapters

```
From: "Mike Yetsko" <myetsko@insydesw.com>
Date: Wed, 10 Apr 2002 18:13:42 -0400
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-73274-2002.04.10-17.50.35--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain
```

```
----- Original Message -----
From: <WA8LMF2@aol.com>
>
> 2) Most of the serial ports created by these devices will have
identities
> ABOVE COM4,  making them inaccessible to DOS and older 16-bit (Win
3.1-type)
> Windows programs.

Not necessarily...  Although the interrupt sharing for ANY IRQ in DOS is
a touchy problem, there's nothing that says COM1 through COM4 are it.

When USB installs a com port, it also activates a 'virtual' IO address.
There is nothing to prevent a 'bios' implementation of USB from putting
these addresses into a 'trap list' and making the com port appear anywhere
that the BIOS allows to be set to.

Oh, and while early BIOS setups had only 2 com ports (with slots for 4,
since the cards DID have a secondary address) a LOT of your DOS
com utilities supported 8.  (Although software like ProCom wouldn't
let you use IRQs on the secondary interrupt controller, it would work
with to COM8 just fine.)

Bottom line is there really is no such thing as a '2' or '4' com port
limit in DOS.  Whatever yardstick is chosen to measure and come up
with those numbers (ie 2 or 4), another way of looking at that same
yardstick can show a different number.

In the specific case in question, the only real response is to say "Try
It"
and see what happens, under DOS that is.  It really depends on how
(or even IF) the BIOS sets up the serial ports on USB and virtualizes
them.

But by the same token, there is no 'defined standard' that lets you go
beyond just 2 com ports in DOS.  Exceptions to operation quickly
step in, mostly due to interrupt sharing.  Which, as you implied in your
post, goes away in Win9x.

Mike
```

```
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```

193. [aprssig] Re: [aprsplus] USB to Serial adapters

```
From: "Mike Yetsko" <myetsko@insydesw.com>
Date: Wed, 10 Apr 2002 18:30:59 -0400
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-73276-2002.04.10-18.05.00--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain
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A LOT of times this 'rolling' of the resources is due to the reset leaving
the resources still viable when the BIOS does it's resource scan.

For example, you have a card that is COM2.  When the machine reboots,
```

the BIOS finds COM2 because it wasn't reset 'out' of the resources. So
when the USB is scanned it puts it in COM3. Next reboot, the scan
finds COM3 and COM2 is open so the USB is now put in COM2...

The problem is that BIOSes generally do a 'resource scan' without doing
a 'hard reset' when you reboot. If you do a hard off of the system, the
com ports should probably come up the same way every time. Or if
you intercept the Windows reset or shutdown vector and kill the resources,
then this shouldn't happen.

Mike

----- Original Message -----
From: "hasan schiers" <schiers@netins.net>

> The only problem I have ever had (and still do) is that after a reboot,
the
> USB > Serial Com Port numbers change...every time. It could be com 4, 5
or 6
> depending on the reboot. It doesn't change the fact that they work, but
> after each reboot I have to reconfigure the software that is using the
port
> to the "right" port number. Annoying, but I can live with it given I now
> have a virtually unlimited number of serial ports....IF the software you
are
> running recognizes all the Windows available serial ports and has not
built
> into the software an artificial limit like no higher com number than
> 4....which some software does. I think at tone time WinAPRS supported up
to
> 8. APRS+SA definitely supports higher port numbers. 73
>
> hasan schiers, N0AN
>
> schiers@netins.net

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194. [aprssig] Stolen Vehicle Update

From: Dave Kaplan <dkaplan@steffeninc.com>
Date: Wed, 10 Apr 2002 18:11:47 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-73302-2002.04.10-18.51.27--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Can't get into details, but there are three in jail, some of my stuff has
been recovered (but not the vehicle) and more warrants are to be served in
the next 24 hours.

It is a direct result of the one APRS hit. When all the arrests are done,
and my Suburban declared lost or recovered I'll give you the exact details.

Dumb crook (what does this button do) + meth + APRSSIG = Go to jail.

Thanks to all that helped!

Dave

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195. [aprssig] Re: More Findu Donations and info

From: "Germino" <mgermino@inreach.com>
Date: Wed, 10 Apr 2002 16:32:09 -0700
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-73306-2002.04.10-19.08.22--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

How I understood it was that the names of the people donating will be delivered at Dayton, not the money. If I am wrong I am sure Guy will chime in.

Mike
AD6AA

(To Guy)
>
> I did not understand your email in regards to TAPR delaying a payment from
> collections they have received until Dayton?
> Did I not understand correctly? If there is a delay, what possible reason
> is there for that? You have a lot of people out here that assumed a
back-up
> server - solely for backing up Findu.com and nothing else - was needed and
> they joined forces to get this done in a timely manner in the event the
main
> server croaked
>
>
> Jim
>

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196. [aprssig] Re: [aprsplus] USB to Serial adapters

From: WA8LMF2@aol.com
Date: Wed, 10 Apr 2002 20:28:38 EDT
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-73314-2002.04.10-20.02.24--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

In a message dated 4/10/2002 3:17:18 PM Pacific Daylight Time, myetsko@insydesw.com writes:

> >
> > 2) Most of the serial ports created by these devices will have
> identities
> > ABOVE COM4, making them inaccessible to DOS and older 16-bit (Win
> 3.1-type)
> > Windows programs.
>
> Not necessarily... Although the interrupt sharing for ANY IRQ in DOS is
> a touchy problem, there's nothing that says COM1 through COM4 are it.
>

I wasn't even going to get into the IRQ morass. I was only commenting on the fact that virtually all COMport-using DOS apps (for example the AEA PackRatt pgm, Kantronics Kanterm, etc) I have ever seen only offer the classic COM1 thru COM4 choices in their setup menus (Procomm was a rare exception!). A surprising number of Windows-based ones that should "know better" ; i.e. Kenwood's radio setup utilities, a supposedly 32-bit GPS handler for MapInfo, HyperTerm in direct-to-COM mode, Street Atlas before ver 6.0, etc also have this setup-menu-imposed limitation.

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Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

---

197. [aprssig] REF: Stolen Vehicle Update

From: Matthew Stennett <WA4TKG@attbi.com>
Date: Wed, 10 Apr 2002 20:37:56 -0400
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: TAPR APRS Special Interest Group <aprssig@lists.tapr.org>
Message-ID: <LYR842-73322-2002.04.10-20.11.38--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Heh, Heh, Heh:

" Wooped 'em again Jo'se .

Wooped 'em again boy " .

Dave Kaplan wrote:

> Can't get into details, but there are three in jail, some of my stuff has
> been recovered (but not the vehicle) and more warrants are to be served in
> the next 24 hours.
>
> It is a direct result of the one APRS hit. When all the arrests are done,
> and my Suburban declared lost or recovered I'll give you the exact details.
>
> Dumb crook (what does this button do) + meth + APRSSIG = Go to jail.
>
> Thanks to all that helped!
>
> Dave

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Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

198. [aprssig] REF: Stolen Vehicle Update

From: Matthew Stennett <WA4TKG@attbi.com>
Date: Wed, 10 Apr 2002 20:42:02 -0400
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: TAPR APRS Special Interest Group <aprssig@lists.tapr.org>
Message-ID: <LYR842-73323-2002.04.10-20.15.47--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

I hope the BOZOs don't know HOW
they got fingered.....

We need to keep THAT a SECRET.

Dave Kaplan wrote:

> Can't get into details, but there are three in jail, some of my stuff has
> been recovered (but not the vehicle) and more warrants are to be served in
> the next 24 hours.
>
> It is a direct result of the one APRS hit. When all the arrests are done,
> and my Suburban declared lost or recovered I'll give you the exact details.
>
> Dumb crook (what does this button do) + meth + APRSSIG = Go to jail.
>
> Thanks to all that helped!
>
> Dave
>
> ---
> You are currently subscribed to aprssig as: WA4TKG@attbi.com
> To unsubscribe send a blank email to leave-aprssig-842K@lists.tapr.org
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199. [aprssig] Kenwood D700

From: "Larry \(Woody\) Bateman" <lw00dy@earthlink.net>
Date: Wed, 10 Apr 2002 18:55:49 -0600
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-73324-2002.04.10-20.29.10--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

I have been out of APRS for about a year now and need some help with a problem. Last night, I hooked up my GPSIII to my TM-D700A in my truck. Everything seemed to work except for one thing. The radio is not sending incoming station positions to the GPS. I have the GPS set to interface with NMEA and radio also. The GPS is sending my position to the Radio. I tried another GPSIII and cable and it did the same thing. I took both GPSIII's and cables and hooked them to my TH-D7A and both GPS's were receiving station positons from TH-D7A. This leads me to believe that the GPS's and cables are okay and the problem is with the radio. I them hooked my laptop running Winaprs 251 to the radio thru the DB9 port and was receiving incoming radio positions on the screen with no problems.

Does anyone have any idea what might not be setup correctly to cause this problem? Any suggestions as to what to look at?

Thanks
Woody
KB7WWP

200. [aprssig] Does $GPWPL work with GPS III (not plus) ?

From: "Andreas Junge - ATT" <n6nu@arrl.net>
Date: Wed, 10 Apr 2002 18:51:45 -0700
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-73353-2002.04.10-21.25.28--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

All,

I tried to upload Waypoints to my GPS III using the $GPWPL sentence but the waypoints do not show up. Any ideas? And yes, the cable works bi-directional when uploading new firmware (Version 2.10).

Thanks,

Andreas, N6NU

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201. [aprssig] need assistance with winaprs and Davis Advantage pro wx station

From: "Jim Panos" <jimpanos@frontiernet.net>
Date: Wed, 10 Apr 2002 21:37:22 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-73354-2002.04.10-22.10.08--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Has anuone been able to get them to talk with each other? I have the modem adapter and have it at the same baud but the wx console does not seem to be sending data. Any assistance would be great. Woruld like to keep what little hair I have left..LOL

73's
Jim N0KGK

202. [aprssig] APRS low profile antennas?

From: "Jack Smith" <jrs38801@bellsouth.net>
Date: Wed, 10 Apr 2002 22:33:07 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-73372-2002.04.10-23.06.45--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Okay, since we know that APRS can help catch the bad guys, I've got a question.

Does anybody have a suggestion for a low profile or inconspicuous antenna? Obviously my big ol' comet on the back don't get it! I can hide the GPS on the bottom of the plastic luggage cover and it still works fine, but I would like to put a 2 meter antenna on (or in?) the car that would give decent coverage without attracting too much attention. Unfortunately one of the many glass mounts won't work because of the spacing of the defrost wires in the back glass.

73 DE Jack KE4LWT

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To unsubscribe send a blank email to leave-aprssig-842K@lists.tapr.org
Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

203. [aprssig] enclosure suggestions for remote APRS weather station

From: Richard Parry <rparry@actionware.sdcoxmail.com>
Date: Wed, 10 Apr 2002 20:39:46 -0700
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-73373-2002.04.10-23.13.34--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

HI folks,

I have a remote Peet Bros U2K weather station running 24/7. I need to put

```
the TNC, HT, and U2K in a permanent enclosure. The wx station is located on
the coast of the Pacific Ocean and has salt air which is corrosive. Anyone
got ideas for an enclosure. Here is what I am using now, clearly a
cardboard shoe box is a temporary solution.

http://w9if.net/iweb/torreywx/P4050003.jpg

thanks,
Rich Parry


---
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To unsubscribe send a blank email to leave-aprssig-842K@lists.tapr.org
Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org
```

---

204. [aprssig] Re: enclosure suggestions for remote APRS weather station

From: "Brent Hildebrand" <bhildebrand@earthlink.net>
Date: Wed, 10 Apr 2002 21:28:01 -0700
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-73383-2002.04.11-00.01.53--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

```
See the file "APRS Weather Stations.doc" at the FTP site below.

Brent Hildebrand, KH2Z

APRS+SA
http://www.tapr.org/~kh2z/aprsplus
ftp://ftp.tapr.org/aprssig/winstuff/aprsplus

[]



----- Original Message -----
From: "Richard Parry" <rparry@actionware.sdcoxmail.com>
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Sent: Wednesday, April 10, 2002 8:39 PM
Subject: [aprssig] enclosure suggestions for remote APRS weather station


> HI folks,
>
> I have a remote Peet Bros U2K weather station running 24/7. I need to put
> the TNC, HT, and U2K in a permanent enclosure. The wx station is located on
> the coast of the Pacific Ocean and has salt air which is corrosive. Anyone
> got ideas for an enclosure. Here is what I am using now, clearly a
> cardboard shoe box is a temporary solution.
>
> http://w9if.net/iweb/torreywx/P4050003.jpg
>
> thanks,
> Rich Parry
>
>
> ---
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>


---
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---

205. [aprssig] Re: APRS low profile antennas?

From: WA8LMF2@aol.com
Date: Thu, 11 Apr 2002 00:46:08 EDT
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: jrs38801@bellsouth.net
Message-ID: <LYR842-73411-2002.04.11-00.19.55--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

```
In a message dated 4/10/02 8:35:54 PM Pacific Daylight Time,
jrs38801@bellsouth.net writes:
```

> Does anybody have a suggestion for a low profile or inconspicuous antenna?
> Obviously my big ol' comet on the back don't get it! I can hide the GPS on
> the bottom of the plastic luggage cover and it still works fine, but I
would
> like to put a 2 meter antenna on (or in?) the car that would give decent
> coverage without attracting too much attention.

StiCo makes a wide variety of disguise combination AM/FM/two-way antennas that replace the regular AM/FM whip. They come in versions for all the common VHF/UHF/800 MHz bands, and are available with bases that match the factory original whip on many makes of cars.   The main disadvantage of these antennas (that they don't have the bandwidth of conventional VHF or UHF antennas) isn't really a problem when used for the single-frequency APRS application.

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---

206. [aprssig] Re: [aprsplus] USB to Serial adapters

From: <henk.de.groot@hetnet.nl>
Date: Thu, 11 Apr 2002 11:36:13 +0200
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-73419-2002.04.11-05.10.03--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

On the topic of serial port assignment. I use a 2 port PCMCIA card on my comport-less laptop. For some odd reason Windows ME never assigns COM1 and COM2. Since a WinModem was present at COM3 the two PCMCIA ports were at COM4 and COM5 - and COM5 is pritty useless for a lot of applications, as stated here also.

I never found an answer why COM1 and COM2 are not used (no, there is no hardware on the motherboard, I checked. The traditional COM1 and COM2 I/O adresses and IRQ's are open and can even be used by the PCMCIA card). This was a problem for me since the THD7 program I had only knew about COM1 and COM2. I later found an update (http://ftp.maschlanka.de/pub/kenwood/Md7120.zip) that allowed COM3 and COM4 also, so this problem is gone now.

But at least I found how to utilize both ports. I removed the resources for both the modem and the PCMCIA cards. The I rebooted and only added the PCMCIA ports which then occupy COM3 and COM4. After this was fixed I added the modem again which shows up as COM5 now. The dailup networking has no problem with that. Now I can use COM3 and COM4 from windows (interrupt shared) or one or the other from DOS (not simultaneously due to IRQ sharing).

Maybe this trick also works with the USB adapters to move them to a more favourable port. Of course it is not quite the same, the PCMCIA card contains real uarts and not software simulated ones so the compatibilty issues as with the USB adapters is non-existent.

I hope this helps a little for USB port assignment problems too. Kind regards,

Henk.

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---

207. [aprssig] Re: [aprsplus] USB to Serial adapters

From: "Mike Yetsko" <myetsko@insydesw.com>
Date: Thu, 11 Apr 2002 06:39:32 -0400
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-73420-2002.04.11-06.13.10--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

It may be limitation of the PCMCIA card driver. PCMCIA sockets have only ONE irq pin, so it is IMPOSSIBLE to get two physical interrupts. Oh, it's easy to get two virtual interrupts, but the driver is a little more complex.
Yes, they have to do that anyway, but I wouldn't be surprised to find out that when your driver was written they just didn't want to deal with the 'figuring out' of how to handle the interaction with what MIGHT already
be present, and instead just took the simple and easy way out to 'tack on' where it's pretty safe to assume there's no pre-existing hardware to interfere.

As to no hardware on the motherboard, I doubt it. There are VERY few chipsets with no ports. They just may not be activated, that's all. And that may be another piece of the puzzle too. If you can do a PCI

scan on the hardware, not software, you could look for the ports there
but turned off. ME may be smart enough to think they may turn on.

Mike

----- Original Message -----
From: <henk.de.groot@hetnet.nl>
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Sent: Thursday, April 11, 2002 5:36 AM
Subject: [aprssig] Re: [aprsplus] USB to Serial adapters

On the topic of serial port assignment. I use a 2 port PCMCIA card on my comport-less laptop. For some odd reason Windows ME never assigns COM1 and COM2. Since a WinModem was present at COM3 the two PCMCIA ports were at COM4 and COM5 - and COM5 is pritty useless for a lot of applications, as stated here also.

I never found an answer why COM1 and COM2 are not used (no, there is no hardware on the motherboard, I checked. The traditional COM1 and COM2 I/O adresses and IRQ's are open and can even be used by the PCMCIA card). This was a problem for me since the THD7 program I had only knew about COM1 and COM2. I later found an update (http://ftp.maschlanka.de/pub/kenwood/Md7120.zip) that allowed COM3 and COM4 also, so this problem is gone now.

But at least I found how to utilize both ports. I removed the resources for both the modem and the PCMCIA cards. The I rebooted and only added the PCMCIA ports which then occupy COM3 and COM4. After this was fixed I added the modem again which shows up as COM5 now. The dailup networking has no problem with that. Now I can use COM3 and COM4 from windows (interrupt shared) or one or the other from DOS (not simultaneously due to IRQ sharing).

Maybe this trick also works with the USB adapters to move them to a more favourable port. Of course it is not quite the same, the PCMCIA card contains real uarts and not software simulated ones so the compatibilty issues as with the USB adapters is non-existent.

I hope this helps a little for USB port assignment problems too. Kind regards,

Henk.

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208. [aprssig] Re: APRS low profile antennas?

From: Michael Martens <kb9vbr@yahoo.com>
Date: Thu, 11 Apr 2002 06:41:12 -0700 (PDT)
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-73434-2002.04.11-09.14.57--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Antenex makes a line of low profile antennas under the Phantom brand name. Their VHF antenna is only 2.5 wide by 3.5 inches tall. I've got one on the wife's van, works great and doesn't get caught up in the garage door.

http://www.antenex.com/

Michael
KB9VBR

--- Jack Smith <jrs38801@bellsouth.net> wrote:

> Okay, since we know that APRS can help catch the bad
> guys, I've got a
> question.
>
> Does anybody have a suggestion for a low profile or
> inconspicuous antenna?
> Obviously my big ol' comet on the back don't get it!
> I can hide the GPS on
> the bottom of the plastic luggage cover and it still
> works fine, but I would
> like to put a 2 meter antenna on (or in?) the car
> that would give decent
> coverage without attracting too much attention.
> Unfortunately one of the
> many glass mounts won't work because of the spacing
> of the defrost wires in
> the back glass.
>
> 73 DE Jack KE4LWT
>
>
> ---
> You are currently subscribed to aprssig as:
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> administrator: wa1lou@tapr.org
>

____
Do You Yahoo!?
Yahoo! Tax Center - online filing with TurboTax
http://taxes.yahoo.com/

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---

209. [aprssig] re:More Findu Donations and info

From: "Guy Story, KC5GOI" <kc5goi@kc5goi.net>
Date: Thu, 11 Apr 2002 08:48:33 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-73436-2002.04.11-09.30.29--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

I am waiting to get the checks from TAPR so they can focus on Hamvention. That is the only reason. The office is still playing catchup after the move as well. We moved a large trailer load of supplies and book stock and a Rider truck full of odds and ends. With what he have, I plan to talk to Dell next week to see if we can get a discount on the server and then place the order. This entire project has moved alot faster than some of us expected so I would like to wait until the end of April to close the donation request. Everything that Jim has sent, direct donations and Brent Hilderbrants offer, with the execption of what is in the mail box at the Denton post office has been counted and give to the DCARC treasurer for processing. The backup server is strictly for findu.com and no one else. TAPR does not want to have anything to do with the server, the DCARC is only the caretaker and will not have anything to do with it as well. I have had a few people ask about adding a few other things to the server that are Ham related. It is too early to look at those options. When the backup server is installed, I will post the url's to all the list's, see that Steve posts it and that the TAPR web site has a link. I wish I had a more defined time line on when this will occur. Things moved much faster than was expected. WIth that said, I am offically stating, April 30th 2002 is the last day to send in donations. If any arrive after that date, I will return them to the senders.

Jim, your prize for the most collected donation is a kiss on the cheek from the Amatuer Radio community. You better get a big towel, cause it might be a wet one. :)

73

--
Guy Story, KC5GOI
Itel-Tigerbyte LLC

gstory@tigerbyte.com
940.891.4575

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---

210. [aprssig] Re: More Findu Donations and info

From: "Guy Story, KC5GOI" <kc5goi@kc5goi.net>
Date: Thu, 11 Apr 2002 08:49:58 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-73437-2002.04.11-09.31.59--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

```
I sent a message to the office to see if they have time to get the TAPR sent
donations to me.

73

Guy

On Wednesday 10 April 2002 06:32 pm, Germino wrote:
> How I understood it was that the names of the people donating will be
> delivered at Dayton, not the money.  If I am wrong I am sure Guy will chime
> in.
>
> Mike
> AD6AA
>
>
> (To Guy)
>
> > I did not understand your email in regards to TAPR delaying a payment
> > from collections they have received until Dayton?
> > Did I not understand correctly?  If there is a delay, what possible
> > reason is there for that?  You have a lot of people out here that assumed
> > a
>
> back-up
>
> > server - solely for backing up Findu.com and nothing else - was needed
> > and they joined forces to get this done in a timely manner in the event
> > the
>
> main
>
> > server croaked
> >
> >
> > Jim
>
> ---
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--
Guy Story, KC5GOI
Itel-Tigerbyte LLC
gstory@tigerbyte.com
940.891.4575

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211. [aprssig] Positionless WX Packets (was Time stamp or inter version problem?)

From: Ralph Milnes <milnes1@rcn.com>
Date: Thu, 11 Apr 2002 10:46:17 -0400
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-73445-2002.04.11-10.20.05--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

```
On Wed, 10 Apr 2002, Richard Amirault wrote about packets from MacAPRS:

> > It is a station ID packet with *no* WX information ... however, once I
```

> > received *that* packet *then* the WX info previously received is assigned
> > to it and I see the icon. I understand Mac / Windows versions send this
> > 'second type' of packet when running WX mode, as opposed to the single
> > APRSdos WX packet. But this 'second' packet is not sent as often, I think,
> > as the WX packets are.

To which Bob Bruninga wrote:

>This is why I never liked the positionless weather packets... They are
>useless without a position too...

I won't get involved with APRS *software* packages that may or may not be doing the right thing, but I would point out that *remote WX stations* such as my Peet U2K -- running without a computer -- can't output a position in the WX data packet. I need to have the TNC output the position data in a separate packet via a beacon buffer (BTEXT, LTEXT, etc). So, position-less WX packets are a fact of life.

I've set my WX station's TNC to beacon my POSIT every 30 minutes (LTEXT), trying to balance excessive packets with the need for stations entering the network to get the POSIT. I rationalize that WX reports aren't normally as time critical for a new station (if WX data is so important, why wasn't the station running 24/7?). But I'm open to other suggestions or other rationale as to the POSIT timing.

Incidentally, I have a trick to get around the delay in receiving the POSIT when I start up WinAPRS. I put one of my WX station's POSITs in my STARTUP.TXT file, so the station's icon appears immediately and the next WX packet has an icon to match to. A station coming into the network with a critical need for WX reports from certain stations could use the same trick.

73,

Ralph KC2RLM
NJ

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---

212. [aprssig] Re: Kenwood D700

From: "Larry \(Woody\) Bateman" <lw00dy@earthlink.net>
Date: Thu, 11 Apr 2002 08:49:07 -0600
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-73446-2002.04.11-10.22.42--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

The radio is set to beacon. I am receivimg position data from the GPS to the radio and "My Position" is being transmitted.

My problem here is that incoming station positions received by the radio are not being sent to the GPS by the radio.

Woody KB7WWP

----- Original Message -----
From: "Greg Higgins" <greghiggins@earthlink.net>
To: "Larry (Woody) Bateman" <lw00dy@earthlink.net>
Sent: Thursday, April 11, 2002 7:49 AM
Subject: Re: [aprssig] Kenwood D700

> Turn on the BCON button.
> Greg KB5GLV
>
> At 06:55 PM 04/10/2002 -0600, you wrote:
> >I have been out of APRS for about a year now and need some help with a
> >problem. Last night, I hooked up my GPSIII to my TM-D700A in my truck.
> >Everything seemed to work except for one thing. The radio is not sending
> >incoming station positions to the GPS. I have the GPS set to interface
> >with NMEA and radio also. The GPS is sending my position to the Radio. I
> >tried another GPSIII and cable and it did the same thing. I took both
> >GPSIII's and cables and hooked them to my TH-D7A and both GPS's were
> >receiving station positons from TH-D7A. This leads me to believe that the
> >GPS's and cables are okay and the problem is with the radio. I them

```
hooked
> >my laptop running Winaprs 251 to the radio thru the DB9 port and was
> >receiving incoming radio positions on the screen with no problems.
> >
> >Does anyone have any idea what might not be setup correctly to cause this
> >problem? Any suggestions as to what to look at?
> >
> >Thanks
> >Woody
> >KB7WWP
>
>



---
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```

213. [aprssig] Re: Stolen Vehicle Update

From: "Alton Teague N5PSP" <n5psp@n5psp.org>
Date: Thu, 11 Apr 2002 11:40:19 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-73459-2002.04.11-12.14.01--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

```
Don't you love it?

On 10 Apr 02, at 18:11, Dave Kaplan wrote:

> Can't get into details, but there are three in jail, some of my stuff has
> been recovered (but not the vehicle) and more warrants are to be served in
> the next 24 hours.
>
> It is a direct result of the one APRS hit.  When all the arrests are done,
> and my Suburban declared lost or recovered I'll give you the exact
> details.
>
> Dumb crook (what does this button do) + meth + APRSSIG = Go to jail.
>
> Thanks to all that helped!
>
> Dave
>
>
> ---
> You are currently subscribed to aprssig as: n5psp@n5psp.org
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>


-73- de N5PSP.
Midland, Texas - home of Lee High, 3x state champions, and a couple of U.S. President
=3149.55N/10215.00W-

---
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```

214. [aprssig] D700

From: "Larry \(Woody\) Bateman" <lw00dy@earthlink.net>
Date: Thu, 11 Apr 2002 11:44:12 -0600
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-73478-2002.04.11-13.17.32--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

```
I want to thank all that responded to my D700 problem. I have found the fix
to this problem, although, I do not understand why it occurred. The fix was
setting the waypoint setting in the menu (3-3) to SIX-DIGITs. The default
value is OFF.

Like I said, I had been out of APRS for about a year. The radio had been
setup and working when I last used it and it was sending waypoints to the
GPS at that time. When I first set the radio up when it was new I made
notations in the manual of all changes I made to settings. There was no
notation of changing the waypoint setting from the default setting of OFF
to SIX-DIGIT at that time. Yet, the radio was sending waypoint to the GPS
```

back then. Now, I must set the waypoint setting to SIX-DIGIT in order for it
to send waypoints to the GPS. This is a mystery to me and will probably
continue to be so.

Again, thank you all for your help.
Woody KB7WWP

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---

215. [aprssig] Interface cable for PK-88 to HTX-252

From: "Steve K" <sjk_3@hotmail.com>
Date: Thu, 11 Apr 2002 14:49:36 -0400
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-73483-2002.04.11-14.23.21--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Does anyone have instructions for making a interface cable from an AEA PK-88
to a Radio Shack HTX-252?

Thank you for your help,
Steve KC6WCH

____
Chat with friends online, try MSN Messenger: http://messenger.msn.com

---
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---

216. [aprssig] Re: Positionless WX Packets (was Time stamp or inter version problem?)

From: "Wes Johnston" <kd4rdb@netzero.com>
Date: Thu, 11 Apr 2002 15:27:00 -0400
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-73485-2002.04.11-15.00.40--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Perhaps people setting up remote WX stations should have a posit packet
timed to go out simultaneously with the WX beacon. This can be done very
easily with 2 of the kpc3's 4 LT buffers and associated BLT x [time] START
[time] command. If setup properly with the start parameters set for the
same min/second, the TNC would key up one time and TX both packets with no
additional TXDelay between them.

Even with "pairs" of packets (one posit, one WX), you still run the risk of
one of them getting clobbered and not making it. In that case, I'd want the
position to go out first so at least the WX would get thru. I'm assuming
here that the FIRST packet out would be the one most likely to get
clobbered.

Wes

----- Original Message -----
From: "Ralph Milnes" <milnes1@rcn.com>
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Sent: Thursday, April 11, 2002 10:46 AM
Subject: [aprssig] Positionless WX Packets (was Time stamp or inter version
problem?)

> On Wed, 10 Apr 2002, Richard Amirault wrote about packets from MacAPRS:
> the WX data packet. I need to have the TNC output the position data in a
> separate packet via a beacon buffer (BTEXT, LTEXT, etc). So, position-less
> WX packets are a fact of life.

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Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

217. [aprssig] Re: Positionless WX Packets

From: "Richard Amirault" <ramirault@erols.com>
Date: Thu, 11 Apr 2002 15:47:26 -0400
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-73487-2002.04.11-15.21.56--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Ralph Milnes said: ".....position-less packets are a fact of life."

Just because an unattended WX station sends them does not mean that it's "OK" for anyone else to send them. Maybe a more accurate statement might be "That's the way the Sproul's wrote their software ... so position-less packets are a fact of life."

It's not a big deal, but I do agree with Bob that I would rather not see positionless WX packets.

PS It appears that the WX station I am having trouble seeing may not have set his GMT offset after all. He's checking on it.

Richard Amirault N1JDU Boston,
MA, USA
ramirault@erols.com "Go Fly A Kite"
http:// www.erols.com/ramirault
----- Original Message -----
From: "Ralph Milnes" <milnes1@rcn.com>
Subject: [aprssig] Positionless WX Packets (was Time stamp or inter version problem?)
(snip)

> I won't get involved with APRS *software* packages that may or may not be
> doing the right thing, but I would point out that *remote WX stations*
such
> as my Peet U2K -- running without a computer -- can't output a position
in
> the WX data packet. I need to have the TNC output the position data in a
> separate packet via a beacon buffer (BTEXT, LTEXT, etc). So,
position-less
> WX packets are a fact of life.

(snip)

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---

218. [aprssig] Re: Positionless WX Packets

From: David VanHorn <dvanhorn@cedar.net>
Date: Thu, 11 Apr 2002 15:06:54 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-73489-2002.04.11-15.40.20--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

>
>It's not a big deal, but I do agree with Bob that I would rather not see
>positionless WX packets.

I've been looking into this recently, for other reasons, and I agree. Positionless, and timestampless weather packets both make little sense to me.

Knowing that the temperature was 20 degrees nowhere in particular, and at some point in the past, is kinda useless.
I know there's an assumption that a weather packet would match up with a position packet in memory for that station, but of course weather stations may move too.

I'm working with another fellow on a KISS TNC that will also take Dallas 1-wire weather station input without needing any help from a PC, and it will send timestamped reports, with position.

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Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

---

219. [aprssig] Re: Positionless WX Packets

From: Keith Sproul <ksproul@rci.rutgers.edu>
Date: Thu, 11 Apr 2002 16:05:38 -0400
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-73490-2002.04.11-15.40.35--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

I have stayed out of this for awhile, but now I can't resist..

Bob has for YEARS asked us to reduce reduce reduce reduce bandwith, make packets shorter shorter shorter shorter.. etc..

If I am stationary, my position should be sent LESS often, i.e. once an hour or maybe once every half hour.. (my opinion is once an hour). Now when someone starts up and querries the network, I can send my postition so I show up on their map..

Now, If I am transmitting weather EVERY 5 MINUTES (like a lot of the weather people want), then I am transmitting my position 6 to 12 times MORE than I need to.. That is a LOT more bandwidth than is needed.. Especially since a position is about 20 characters EACH TIME it is sent

THIS IS WHY THE POSITIONLESS WX packet was developed.. This is VERY important for HF which was important to APRS people, including Bob and one time.. (I don't know if it still is or not).

Also, the amount of data that the weather people wanted was making the packet longer and longer and longer, to the point that it was well over 80 characters, or at least could have gotten that long..

The positionless WX report is in the spec and is (currently) allowed, supported etc..

Keith Sproul

```
>Ralph Milnes said: ".....position-less packets are a fact of life."
>
>Just because an unattended WX station sends them does not mean that it's
>"OK" for anyone else to send them.  Maybe a more accurate statement might
>be "That's the way the Sproul's wrote their software ...  so position-less
>packets are a fact of life."
>
>It's not a big deal, but I do agree with Bob that I would rather not see
>positionless WX packets.
>
>PS  It appears that the WX station I am having trouble seeing may not have
>set his GMT offset after all. He's checking on it.
>
>Richard Amirault                           N1JDU                 Boston,
>MA, USA
>ramirault@erols.com              "Go Fly A Kite"
>http:// www.erols.com/ramirault
>----- Original Message -----
>From: "Ralph Milnes" <milnes1@rcn.com>
>Subject: [aprssig] Positionless WX Packets (was Time stamp or inter version
>problem?)
>(snip)
>>  I won't get involved with APRS *software* packages that may or may not be
>>  doing the right thing, but I would point out that *remote WX stations*
>such
>>  as my Peet U2K -- running without a computer -- can't output a position
>in
>>  the WX data packet. I need to have the TNC output the position data in a
>>  separate packet via a beacon buffer (BTEXT, LTEXT, etc). So,
>position-less
>>  WX packets are a fact of life.
>(snip)
>
>
>---
>You are currently subscribed to aprssig as: KSPROUL@RCI.RUTGERS.EDU
>To unsubscribe send a blank email to leave-aprssig-842K@lists.tapr.org
>Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org
```

```
--
Keith Sproul    ksproul@rci.rutgers.edu         WU2Z
Student Housing Network Coordinator            732 445-3695 W
Rutgers University Computing Services
```

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Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

220. [aprssig] Re: Positionless WX Packets

From: David VanHorn <dvanhorn@cedar.net>
Date: Thu, 11 Apr 2002 15:41:55 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-73494-2002.04.11-16.16.03--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

>
>If I am stationary, my position should be sent LESS often, i.e. once an
>hour or maybe once every half hour.. (my opinion is once an hour). Now
>when someone starts up and querries the network, I can send my position
>so I show up on their map..

I see the problem, but I don't think it's solved so easily.

On VHF, if the net is sparse, there's little need to conserve bandwidth.
Also, few stations querying.
If the net is dense, where more bandwidth needs to be conserved, then you
have more stations querying. The thing that you're using to throttle your
bandwidth has the wrong slope.

The problem is that unless you send your position with the data, you have
no way of knowing if the clients know where you are.

>Now, If I am transmitting weather EVERY 5 MINUTES (like a lot of the
>weather people want), then I am transmitting my position 6 to 12 times
>MORE than I need to..

Assuming you're fixed. Of course a lot of the weather data is redundant
as well. It may be that the temperature hasn't changed in an hour.

On HF, where the bandwidth considerations force the issue, it seems
reasonable to assume fixed stations. I'm not sure if a moving weather
station makes sense at all in an HF context.

You might further conserve bandwidth by only sending the changed parameters.

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Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

221. [aprssig] Re: Positionless WX Packets

From: Bob Bruninga <bruninga@usna.edu>
Date: Thu, 11 Apr 2002 17:34:04 -0400 (EDT)
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: TAPR APRS Special Interest Group <aprssig@lists.tapr.org>
Message-ID: <LYR842-73500-2002.04.11-17.07.57--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

> >Now, If I am transmitting weather EVERY 5 MINUTES (like a lot of the
> >weather people want), then I am transmitting my position 6 to 12 times
> >MORE than I need to..

APRSdos has always used "smart beaconing" for WX just like all other
packets. If the data is new, then it sends it 5 minutes later. If none
of the parameters have changed, then the packet is like any other APRSdos
packet, the time to the next packet is decayed by 50%. That is it will be
7 minutes later. If there is still no change, then the next one will be
10 minutes later, etc... up to a maximum of the net-cycle time...

But if there is anything happening, like rain, or a front passing through,
or a change of wind speed by a reasonable amount, then the WX report is
sent immediately and the decay timer is reset to 5 minutes.. Think of it
as "smart-beaconing" for weather...

Thus, when you need it, it is frequent. When it is boring, it decays...to
longer time periods.. To make this work, I had to make brackets for Wind

speed and direction... because they are always changing some..

de WB4APR, Bob

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Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

222. [aprssig] Re: Positionless WX Packets

From: Steve Dimse <k4hg@tapr.org>
Date: Thu, 11 Apr 2002 17:41:46 -0400
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-73501-2002.04.11-17.19.01--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

>Just because an unattended WX station sends them does not mean that it's
>"OK" for anyone else to send them. Maybe a more accurate statement might
>be "That's the way the Sproul's wrote their software ... so position-less
>packets are a fact of life."
>
It wasn't just "the way the Sproul's wrote their software". This was something that was discussed extensively among the developers, and while Bob may have had his reservations about this, he did agree to it.

The issue here was saving bandwidth, you do not need to send a position with every weather report. It was not a mistake, or one developer working alone, but a considered decision of the group.

If you are moving, you have the option of using software which includes the position in the weather packet. However, being real, I'd bet less that 0.01% of weather reports are in a different location than the previous report from that station. Is it worth 1000 unnecessary positions to cover this rare event?

As to time stamps, from a network perspective these are worthless. So few stations have their clocks set correctly that to try to extract data from these results in decreasing the correctness of the time...findU ignores all timestamps and just uses the time the data was received.

Steve K4HG

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223. [aprssig] Re: enclosure suggestions for remote APRS weather station

From: "Kriss Alan Kliegle" <kliegle@nh.ultranet.com>
Date: Thu, 11 Apr 2002 16:53:56
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-73503-2002.04.11-17.27.37--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

I had a solar powered one up on a hill inside a homemade plywood enclosure that looked like an oversize birdhouse. The top, and all 4 vertical sides were covered with asphalt shingles. I had a whole pkg of the starter
course
shingles in the garage left over.The front piece was removable w/3 drywall screws. Survived 54 MPH wind Nor'Easters with no rain leakage. I used this thing for 4 years!

I have lately found metal encloseures in the dump (recycling yard) that are sealed w/wx stripping when closed. Temporary service entrances use these when supplying power while building a house.
Now I built a 12'x8' shed an put up a 70' tower and have the APRS WX Digi and the local 2M repeater in there.... all of which solar powered.

73 de Kriss

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224. [aprssig] New BEACONet experiment on 20-meters!

From: "Ev Tupis (W2EV)" <w2ev@arrl.net>
Date: Thu, 11 Apr 2002 18:17:16 -0400

To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-73515-2002.04.11-17.51.02--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

In addition to the work on 10-meters (on 28.131 USB + 1500 hz audio), the BEACONet project is now experimenting on the 20-meter band. If you have PSK31, give it a "go"! Software (UI-View and PSK31srv) and setup information is available on the BEACONet website (see footer).

Ev, W2EV

Frequency = 14.097 USB + 1500hz PSK31 audio.

```
                                | this is the number of  |
                                | times a particular stn |
                                | was copied per UTC Hour|
                                | Base36. 1=1,2=2,3=3,   |
                                | 9=9,A=10,B=11,etc.     |
```

```
[CATCH-HK] KA2ENE BeacoNet^31 - 4/11/02 20:13:02 Z

Call       Grid  Azm  Dist First 000000000011111111112222 Last  Config
Freq
             SQ       (KM) Heard 012345678901234567890123 Heard  Code
Heard
-------------------------------------------------------------------------------
KA2ENE-12 FN13FE    0    0 00:02 CCCC4         7B9BCC2    20:11 HK0FA1-15
1500
W3GYK-12  EM85VF  206  970 19:52                    2     19:57 HK0F02-15
1529
W3GYK-5   EM85VF  206  970 19:48                    11    20:12 HK0F02-15
1529
KG4RII-8  EL86TX  195 1850 19:17                    5     19:55 HK0E02-15
1528
```

--
BEACONet lets you look at the world in ways never before imagined.
http://go.to/BEACONet

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---

225. [aprssig] Another Hub online

From: "Spider" <spider@rivcom.net>
Date: Thu, 11 Apr 2002 16:15:42 -0700
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-73517-2002.04.11-18.49.33--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

New Ahub on line.

Add to your Stations files if you like.

207.218.70.101 PORT 2023   PRKRAZ

Jim

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---

226. [aprssig] PC SAT Flys Again

From: wa4tkg@attbi.com
Date: Fri, 12 Apr 2002 01:13:20 +0000
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-73548-2002.04.11-20.47.05--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

PCSAT-11>
BEACON,SGATE:T#210,091,070,080,091,213,00111111,0101,1

PCSAT-1   6   21:03   >111756z OPS-min. No dark ops
please.

So HOW COME I STILL didn't make the list ?

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---

227. [aprssig] Re: PC SAT Flys Again

From: Earl Needham <needhame@yucca.net>
Date: Thu, 11 Apr 2002 19:24:15 -0600
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-73550-2002.04.11-20.58.07--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

At 01:13 AM 4/12/2002 +0000, wa4tkg@attbi.com wrote:
>PCSAT-11>
>BEACON,SGATE:T#210,091,070,080,091,213,00111111,0101,1
>
>
>PCSAT-1   6   21:03   >111756z OPS-min. No dark ops
>please.
>
>
>So HOW COME I STILL didn't make the list ?

You DID!

http://www.findu.com/cgi-bin/pcsat.cgi shows you 2 days 8 hours 13 minutes 8 seconds ago, as I type this.

What path are you using, Matt?

7 3
Earl

Earl Needham, KD5XB, Clovis, New Mexico
KD5XB-2>APW251,PCSAT-1*:=3425.83N/10313.55W-PHG7150/WinAPRS 2.5.1
-EARL_CLOVIS -251-<630>
Did you get a letter from Nigeria offering a "deal"? See
http://home.rica.net/alphae/419coal/ and
http://www.crimes-of-persuasion.com/Crimes/Business/nigerian.htm

---
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---

228. [aprssig] Re: PC SAT Flys Again

From: Steve Dimse <k4hg@tapr.org>
Date: Thu, 11 Apr 2002 21:27:57 -0400
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-73551-2002.04.11-21.01.49--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

>So HOW COME I STILL didn't make the list ?
>
>From appearances, there seem to be fewer IGates on the PCSat freq than in the
past.

Steve K4HG

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---

229. [aprssig] Re: Garmin II+

From: w.nolle@mchsi.com
Date: Thu, 11 Apr 2002 20:31:21 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-73552-2002.04.11-21.05.14--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Well I talked to Garmin tech support about my 2 year old GPSII+
and they didn't ask any questions at all, by the way he stated that
making an attempt to charge the battery would fail anyway.

Anyway I want to thank those that greatly helped with this problem.

Thank you
Bill wa8inz

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Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

---

230. [aprssig] New cgi for FindU

From: Steve Dimse <k4hg@tapr.org>
Date: Thu, 11 Apr 2002 21:34:27 -0400
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-73553-2002.04.11-21.08.19--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Time for another new cgi, line. This one is like beradcrumb, but it returns a
png where tracks are drawn as colored line.

http://www.findu.com/cgi-bin/line.cgi?&start=7200&geo=usa.geo&call=K4hg-8:0:255:
100

You also can use this in the track cgi by adding &line=1 to the end:

http://www.findu.com/cgi-bin/track.cgi?call=k4hg-8!Steve&geo=rad_byx.geo&start=
100&line=1

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Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

---

231. [aprssig] REF: PC SAT Flys Again

From: Matthew Stennett <WA4TKG@attbi.com>
Date: Thu, 11 Apr 2002 22:09:04 -0400
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: TAPR APRS Special Interest Group <aprssig@lists.tapr.org>
Message-ID: <LYR842-73557-2002.04.11-21.42.52--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Yup;
That accounts for it.
....I feel better now, I guess.

Steve Dimse wrote:

> >So HOW COME I STILL didn't make the list ?
> >
> >From appearances, there seem to be fewer IGates on the PCSat freq than in the
> past.
>
> Steve K4HG
>
> ---
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---

232. [aprssig] Re: Positionless WX Packets

From: David L Norris <kg9ae@webaugur.com>
Date: 11 Apr 2002 22:51:19 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-73570-2002.04.11-23.25.06--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

On Thu, 2002-04-11 at 16:41, Steve Dimse wrote:
> As to time stamps, from a network perspective these are worthless. So few
> stations have their clocks set correctly that to try to extract data from these
> results in decreasing the correctness of the time...findU ignores all timestamps
> and just uses the time the data was received.

The clock built into the Ultimeter, for example, gains a minute or more
per week. A standalone weather station may be transmitting a terribly
incorrect time.

I use the weather station's timestamp as a heartbeat. It is useful for
this. It proves the station is writing data to the buffers. For
measuring time it's almost worthless unless you reset the clock daily.

--
David Norris, ARS: KG9AE
KG9AE's Web - http://www.webaugur.com/dave/kg9ae/
ICQ - 412039

---
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233. [aprssig] Davis Wx Vantage pro and Winaprs

From: "Jim Panos" <jimpanos@frontiernet.net>
Date: Thu, 11 Apr 2002 23:17:17 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-73572-2002.04.11-23.50.04--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Still looking for anyone who may have gotten these two peices of equipment to work with each other.

234. [aprssig] Re: Positionless WX Packets

From: David VanHorn <dvanhorn@cedar.net>
Date: Thu, 11 Apr 2002 23:29:08 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-73584-2002.04.12-00.02.29--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

>
>The clock built into the Ultimeter, for example, gains a minute or more
>per week. A standalone weather station may be transmitting a terribly
>incorrect time.

I'll be taking my time data from the GPS, that should suffice I think.

---
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Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

235. [aprssig] Re: Positionless WX Packets

From: Steve Dimse <k4hg@tapr.org>
Date: Fri, 12 Apr 2002 01:11:29 -0400
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-73590-2002.04.12-00.45.16--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

>>The clock built into the Ultimeter, for example, gains a minute or more
>>per week. A standalone weather station may be transmitting a terribly
>>incorrect time.
>
>I'll be taking my time data from the GPS, that should suffice I think.
>

Of course, but system-wide, very few people do this. To convice yourself, just
grab a minute of stream data and see what wildly varying times you get. There is
no way for a client to identify which time stamps can be trusted and which
can't. APRS is a real time system, data is transmitted within seconds of being
valid, so a supposition that the time is now is not unreasonable, certainly more
so that trusting time stamps. That makes your efforts at time-keeping moot,
because most client authors have discovered that the best way to handle the

timestamps is to ignore them.

Steve K4HG

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To unsubscribe send a blank email to leave-aprssig-842K@lists.tapr.org
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236. [aprssig] Re: New cgi for FindU

From: WA8LMF2@aol.com
Date: Fri, 12 Apr 2002 01:21:29 EDT
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-73591-2002.04.12-00.55.24--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

In a message dated 4/11/02 6:39:26 PM Pacific Daylight Time, k4hg@tapr.org
writes:

> Time for another new cgi, line. This one is like beradcrumb, but it returns
a
> png where tracks are drawn as colored line.
>
>
http://www.findu.com/cgi-bin/line.cgi?&start=7200&geo=usa.geo&call=K4hg-8:0:
> 255:
> 100

My god! How long do you keep position data in the findu database?? I just
tried the new cgi by copying and pasting the line above into my browser, and
then editing it to substitute my call .   I didn't notice your argument for
7200 hours, and expected to see just today's out-and-about Los Angeles
driving.

Instead, I was startled to see a trip I made to Prescot/Sedona/Flagstaff AZ
in early March and a trip from L.A. to northern CA in late Feb, along with a
dense blob in Southern California from weeks of everyday trips around L.A.

```
Stephen H. Smith                   wa8lmf @ aol.com
Home Page:
http://members.aol.com/wa8lmf
Ham Radio/Mobile SSTV page:     http://members.aol.com/wa8lmf/ham
APRS Stuff
http://members.aol.com/wa8lmf/aprs
-------------------------------------------------------------------------------

----------
|    Radio Communications Systems       Personal Computers
|                Consulting and Systems Integration
|    GPS Custom Mapping    &     Radio Coverage Surveys
|    File Conversions       MS-Windows Setups       VISCII Fonts
-------------------------------------------------------------------------------

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```

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237. [aprssig] Re: New cgi for FindU

From: Steve Dimse <k4hg@tapr.org>
Date: Fri, 12 Apr 2002 01:42:10 -0400
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-73596-2002.04.12-01.15.59--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

>My god! How long do you keep position data in the findu database?? I just
>tried the new cgi by copying and pasting the line above into my browser, and
>then editing it to substitute my call .   I didn't notice your argument for
>7200 hours, and expected to see just today's out-and-about Los Angeles
>driving.
>
>Instead, I was startled to see a trip I made to Prescot/Sedona/Flagstaff AZ
>in early March and a trip from L.A. to northern CA in late Feb, along with a
>dense blob in Southern California from weeks of everyday trips around L.A.
>

Position reports go back 90 days.

Steve K4HG

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---

238. [aprssig] Re: Positionless (a.k.a. POINTLESS) WX Packets

From: RMckni8527@aol.com
Date: Fri, 12 Apr 2002 03:28:20 EDT
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: aprssig@tapr.org
Message-ID: <LYR842-73623-2002.04.12-03.02.15--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

In a message dated 11-Apr-02 22:14:00 Pacific Daylight Time, k4hg@tapr.org writes:

\>>>The clock built into the Ultimeter, for example, gains a minute or more
\>>>per week. A standalone weather station may be transmitting a terribly
\>>>incorrect time.
>>
>>I'll be taking my time data from the GPS, that should suffice I think.
>>
\>Of course, but system-wide, very few people do this. To convice yourself, just
\>grab a minute of stream data and see what wildly varying times you get. There is
\>no way for a client to identify which time stamps can be trusted and which
\>can't. APRS is a real time system, data is transmitted within seconds of being
\>valid, so a supposition that the time is now is not unreasonable, certainly more
\>so that trusting time stamps. That makes your efforts at time-keeping moot,
\>because most client authors have discovered that the best way to handle the
\>timestamps is to ignore them.
>
\>Steve K4HG

Ray - WB3ABN responds:

1) Few weather stations will have GPS installed, let alone configured to update system clocks by GPS. Exceptions may be "mobile" weather stations, which are a completely different animal and have their own set of problems (regarding validity of data derived from moving sensors)

2) If a weather station operator cannot be relied upon to time stamp a data packet with a reasonably accurate time, then I will NEVER trust any of their data to be reliable. Time is probably the simplest sensor to ensure accuracy.

3) You CANNOT assume a received packet was "just transmitted". There are too many "network" variables that can account for packets being received many minutes or hours after they were generated.

4) In the "real world" of meteorology, if a report does NOT contain the time it was observed, it's basically useless to everyone except maybe the reporting station. I will NEVER make ASSUMPTIONS about such fundamental data which is as vital as the sensor readings, and use those assumptions in any forecasts. If you are receiving regular reports from a station you MIGHT be able to assume the date, but that's about as far as I'd be willing to stretch it. In the APRS world, stations do NOT conform to reporting schedules like NOAA or other stations do (i.e. every 15 minutes, hour or 3 hours, etc)

5) I have serious reservations about the whole APRS weather program anyway, as it appears to be sadly lacking in conformity to established protocols like WMO, and few reporting stations can be routinely relied upon to provide reasonably calibrated and accurate data on a routine basis. (there have been very heated debates on this SIG where numerous people argued against the necessity to bother calibrating sensors to true north vs magnetic, a fundamental issue that seems to not be well understood!)

6) The only way to be 100% certain of the date/time of the weather data is for the station generating it to date/time stamp it when it is formatted for transmission. Now, there's an entirely whole different argument about how various weather "stations" collect and format data and subsequently the TNC (or not) sends it out - some stations do averaging, or other tricks, which may or may not be evident (I'm thinking of "instantaneous" versus "average"

or "smoothed" values like winds or rainfall) - it's difficult to weed all these out, each manufacturer may treat them differently, and NOT be anywhere near accepted protocols like WMO, which we all should understand and strive to emulate.

7) If a station really is "mobile" and providing weather data, I have serious concerns regarding many of the sensors. For instance, how are TRUE winds measured (it's NOT a trivial matter deriving true wind from relative wind in REAL TIME from a moving platform), barometric pressure (is sea level pressure being correctly derived from "station pressure" during changes in altitude), temp (how are sensors shielded from effects of cooling from vehicle motion), etc etc.

8) The accuracy of reports generated manually can also be of great concern, as is routinely evidenced by numerous conflicting positions of objects like tornados and tropical storms. For this reason alone, use of the APRS system for making urgent, life/death decisions, or a response decision affecting a large segment of the population (emergency preparedness/response) is not prudent.

Just my personal opinion. Maybe some of these points have not been considered before by some. This evaluation of the APRS wx system is intended for improvement, not condemnation.

73's
Ray - WB3ABN
Kingston, WA

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---

239. [aprssig] Re: Positionless (a.k.a. POINTLESS) WX Packets

From: Steve Dimse <k4hg@tapr.org>
Date: Fri, 12 Apr 2002 04:33:09 -0400
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-73662-2002.04.12-04.06.55--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

>2) If a weather station operator cannot be relied upon to time stamp a data
>packet with a reasonably accurate time, then I will NEVER trust any of their
>data to be reliable. Time is probably the simplest sensor to ensure accuracy.
>

If someone were looking at the time stamp, then there might be a reason for people to keep their clocks set. However, since no one does anything with the time, people don't bother, you can't make an assumption that this means their weather data is not reliable. I know I don't need to set my clock on the weather computer, so I don't.

>3) You CANNOT assume a received packet was "just transmitted". There are too
>many "network" variables that can account for packets being received many
>minutes or hours after they were generated.
>

Give me a reason that the packets can be delayed minutes to hours. I know the APRS IS better than anyone, and the most delay I've ever seen was 45 seconds occurring a month or so ago during the severe looping conditions. Two seconds or less is the norm. On the RF side, the worst thing I can think of is a transmitter with a squelch that opens for long periods of time, the weather station keeps sending a packet every 5 minutes into the buffer, eventually the squelch closes and sends all the queued up packets. At the receiver end, you see no data for a long time, then a bunch of data all at once, and it is pretty obvious something is wrong. For the most part this would be a one time event, I've never heard of this actually occurring, and certainly not on a repetetive basis. If you have something that actually occurred, please share it.

>From the introduction to the APRS spec:

"Fundamentally, APRS is a packet communications protocol for disseminating live data to everyone on a network in real time."

Every part of the APRS system is designed with this real time philosophy in mind. I challenge you to produce an actual situation that has a significant delay.

>4) In the "real world" of meteorology, if a report does NOT contain the time
>it was observed, it's basically useless to everyone except maybe the
>reporting station. I will NEVER make ASSUMPTIONS about such fundamental data
>which is as vital as the sensor readings, and use those assumptions in any

>forecasts. If you are receiving regular reports from a station you MIGHT be
>able to assume the date, but that's about as far as I'd be willing to stretch
>it. In the APRS world, stations do NOT conform to reporting schedules like
>NOAA or other stations do (i.e. every 15 minutes, hour or 3 hours, etc)
>

But if the entire pipe is real time, with typical delays under a couple seconds, time-stamping the data when received is no different than stamping it at transmission, and in this case, far more accurate. Of course there has to be a time, but in this case it is keyed to the receiver's clock. If the time on the data is important to someone, then those users will have accurate clocks. findU has always used NTP to a first tier time server, so the data I forward to NOAA has timestamps that are accurate and consistant. A few seconds behind, no doubt, but we both know that is not significant.

>5) I have serious reservations about the whole APRS weather program anyway,
>as it appears to be sadly lacking in conformity to established protocols like
>WMO, and few reporting stations can be routinely relied upon to provide
>reasonably calibrated and accurate data on a routine basis. (there have been
>very heated debates on this SIG where numerous people argued against the
>necessity to bother calibrating sensors to true north vs magnetic, a
>fundamental issue that seems to not be well understood!)
>

There is no doubt that a hobby weather station is not going to meet the same standards for accuracy that a NOAA weather station will. Few people are able to place the wind sensor at exactly 30 feet in an unobstructed area, just to name the most obvious shortcoming. Fewer people will spend the thousands of dollars pro level equipment costs. However, NOAA seems to be finding the data quite useful, evidenced by my recent award. In case you aren't aware, the APRS/Citizen's Weather data is sent through a quality control system, you can see the results here, and compare to other sources of data:

http://www-sdd.fsl.noaa.gov/MSAS/qcms_messages.html

If you look at the monthly totals (some 316k observations) the Citizen's Weather errors are not wonderful, in fact the second worst in the list, but of course most of these others are professional installations. For some reason the dew point in particular is a problem at 16% questionable, but wind and temp readings consistantly are only 4-5% questionable. Even the NOAA owned sites show 1 or 2 percent. Given the differences in cost between these installations, I find the numbers very encouraging.

Things are even better if you spend time looking at individual stations. In the last two months, since I replaced a bad humidity sensor, my station appeared in the questionable list three times. Three bad readings out of (60 days * 24 hours * 4 readings/hour) is pretty damn good. Lots of stations in the CW network meet this sort of standard, most of the CW errors occur in a handful of stations. And BTW, if I were to be transmitting a timestamp, it would be wildly inaccurate, I do not bother to set the clock on the weather computer, and if the time got passed to NOAA then my good data would be interpreted as bad.

So in the REAL real world, APRS weather is objectively doing pretty well, given the cost of our gear...

>6) The only way to be 100% certain of the date/time of the weather data is
>for the station generating it to date/time stamp it when it is formatted for
>transmission.

And for the computer to have a clock synced to NTP or GPS. In the APRS world, this is never going to happen. So, timing on reception is the far better choice...even if there are a few seconds of error, that really makes no difference, and you avoid the sometimes wildly inaccurate times of the various TNCs, weather stations, and computers.

Steve K4HG

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240. [aprssig] Baker to Vegas

From: Steve Dimse <k4hg@tapr.org>
Date: Fri, 12 Apr 2002 05:09:44 -0400
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-73663-2002.04.12-04.43.27--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

The Baker to Vegas run is coming up in just over a week. Over the past couple months I've had contacts from several different people involved asking about

```
tracking the event on findU. I sent each a lengthy discourse on what I needed to
set up a separate page, but so far I've not heard anything back. I have a
feeling at 6PM next Friday I'm going to be getting some frantic emails, so I'm
trying to be proactive...

I took the APRSdos map which was used on the old javAPRS page, and made a large
png/geo map of it:

http://www.findu.com/cgi-bin/plot.cgi?call=*&geo=b2v.geo

This URL can be used like this to show all the surrounding activity, or with
specific calls to track individual stations.

I would really like to do a special tracking page, as this event usually draws a
lot of traffic to my sites. If there is anyone on the sig that knows the
callsigns that will be used and which team they are associated with I'd love to
get a list, or put me in contact with someone that can help.

Steve K4HG

---
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241. [aprssig] Re: PC SAT Flys Again

From: Alex <kr1st@amsat.org>
Date: Fri, 12 Apr 2002 08:21:39 -0400
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-73695-2002.04.12-07.55.25--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

```
Are command stations set up as Igates?

73s,
--Alex

Steve Dimse wrote:
>
> >So HOW COME I STILL didn't make the list ?
> >
> >From appearances, there seem to be fewer IGates on the PCSat freq than in the
> past.
>
> Steve K4HG
>
> ---
> You are currently subscribed to aprssig as: kr1st@amsat.org
> To unsubscribe send a blank email to leave-aprssig-842K@lists.tapr.org
> Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

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```

242. [aprssig] Re: PC SAT Flys Again

From: Bob Bruninga <bruninga@usna.edu>
Date: Fri, 12 Apr 2002 08:41:30 -0400 (EDT)
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: TAPR APRS Special Interest Group <aprssig@lists.tapr.org>
Message-ID: <LYR842-73697-2002.04.12-08.15.20--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

```
> >So HOW COME I STILL didn't make the list ?
> >
Steve said:
> From appearances, there seem to be fewer IGates on the PCSat freq than
> in the past.

Let me echo that comment.  We have received NO data from PCsat (W3ADO-1)
over the USA since 3 April.  My current connection is to ahubcentral.
Maybe a few gates are down?

Bob



---
```

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---

243. [aprssig] Re: Positionless (a.k.a. POINTLESS) WX Packets

From: Bob Bruninga <bruninga@usna.edu>
Date: Fri, 12 Apr 2002 08:53:06 -0400 (EDT)
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: TAPR APRS Special Interest Group <aprssig@lists.tapr.org>
Message-ID: <LYR842-73698-2002.04.12-08.26.51--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

On Fri, 12 Apr 2002, Steve Dimse wrote:

> If someone were looking at the time stamp, then there might be a reason for
> people to keep their clocks set. However, since no one does anything with the
> time, people don't bother...

A classic example is Dead Reckoning in APRSdos. If your PC clock is off,
then DR puts every moving object with long DR lines all over the place.
What do people do? They HATE DR, and TURN IT OFF, rather than properly
setting their PC clock to the right time, date and TIme zone...

Head in sand...

Bob

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---

244. [aprssig] Re: enclosure suggestions for remote APRS weather station

From: Dick Reichenbach <dreichen@columbus.rr.com>
Date: Fri, 12 Apr 2002 09:01:50 -0400
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: TAPR APRS Special Interest Group <aprssig@lists.tapr.org>
Message-ID: <LYR842-73700-2002.04.12-08.34.40--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Kriss Alan Kliegle wrote:

> I had a solar powered one up on a hill inside a homemade plywood enclosure
> that looked like an oversize birdhouse.

> Now I built a 12'x8' shed an put up a 70' tower and have the APRS WX Digi
> and the local 2M repeater in there.... all of which solar powered.
>
> 73 de Kriss

What kind of good information exists on the web on setting up a Solar Powered
APRS-type Digi?

I've heard that the battery backup powered tornado/air raid sirens can freeze
up. Would the enclosure have to be heated/insulated in some way to prevent
this?

Is this practical or would the power consumption eat up the batteries
overnight?

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---

245. [aprssig] Setting up Digi's

From: Dick Reichenbach <dreichen@columbus.rr.com>
Date: Fri, 12 Apr 2002 09:23:34 -0400
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-73702-2002.04.12-08.56.28--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

One of the things I was interested in looking into this summer was
setting up a couple of digi's. One north of me and one south.

What kind of information is there on finding cheap tower space. I know

from working at a commercial radio station that commercial tower space
is not cheap.
I also assume I'd have to set up some kind of contract, like a right of
way.
Would I have to drop a power line and meter just for myself?
What do small repeater clubs do?

The location south of me that I was interested in was in a friend of
mine's wooded lot that sits behind his house. He's not an amateur. How
stressfull would this situation be? Is there any experience out there
with this setup.

Thanks in advance.
Dick Reichenbach - KC8OBZ

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---

246. [aprssig] Re: enclosure suggestions for remote APRS weather station

From: "Ken Patterson" <kenp@etex.net>
Date: Fri, 12 Apr 2002 14:27:04 +0100
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-73717-2002.04.12-10.01.00--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Dick,

Here is a favorite link of mine.

http://www.packetradio.com/solar.htm

Also, a search of www.google.com would probably provide you with some
interesting results.

Regards,
Ken,
N5EQT
----- Original Message -----
From: "Dick Reichenbach" <dreichen@columbus.rr.com>
To: "TAPR APRS Special Interest Group" <aprssig>
Cc: "TAPR APRS Special Interest Group" <aprssig>
Sent: Friday, April 12, 2002 14:01
Subject: [aprssig] Re: enclosure suggestions for remote APRS weather station

>
>
> Kriss Alan Kliegle wrote:
>
> > I had a solar powered one up on a hill inside a homemade plywood
enclosure
> > that looked like an oversize birdhouse.
>
> > Now I built a 12'x8' shed an put up a 70' tower and have the APRS WX
Digi
> > and the local 2M repeater in there.... all of which solar powered.
> >
> > 73 de Kriss
>
> What kind of good information exists on the web on setting up a Solar
Powered
> APRS-type Digi?
>
> I've heard that the battery backup powered tornado/air raid sirens can
freeze
> up. Would the enclosure have to be heated/insulated in some way to
prevent
> this?
>
> Is this practical or would the power consumption eat up the batteries
> overnight?
>
>
> ---
> You are currently subscribed to aprssig as: kenp@etex.net

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> Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org
>
>

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247. [aprssig] Re: Positionless (a.k.a. POINTLESS) WX Packets

From: David VanHorn <dvanhorn@cedar.net>
Date: Fri, 12 Apr 2002 10:53:00 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: aprssig@tapr.org
Message-ID: <LYR842-73721-2002.04.12-11.26.19--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

>
>7) If a station really is "mobile" and providing weather data, I have
>serious concerns regarding many of the sensors.

I don't plan to take readings while moving, but rather when stopped, and
the various sensors stabilize. It's easy to tell from the GPS data when you
are moving, afterall.

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248. [aprssig] Re: enclosure suggestions for remote APRS weather station

From: "Richard Amirault" <ramirault@erols.com>
Date: Fri, 12 Apr 2002 12:10:44 -0400
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-73724-2002.04.12-11.45.22--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

I don't have any specific web pages to offer, but for *any* self contained
solar power electronics you need to know:

How much current draw your equipment uses.
How often does it use it? (transmit current vs recieve current)
Hou much sun does the site recieve (cloud cover, and or obstructions) per
day.
Then you can figure out:
How big a battery you need (most folks say you need to be able to power the
equipment for two or three days on battery power alone .... even more is
better)
How big a solar panel (or panels) you need (to recharge a battery after the
above conditions, and also keep the equipment running while doing it)

Richard Amirault   N1JDU   Boston,
MA, USA
ramirault@erols.com   "Go Fly A Kite"
http:// www.erols.com/ramirault

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249. [aprssig] Re: enclosure suggestions for remote APRS weather station

From: David VanHorn <dvanhorn@cedar.net>
Date: Fri, 12 Apr 2002 11:28:24 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: TAPR APRS Special Interest Group <aprssig@lists.tapr.org>
Message-ID: <LYR842-73725-2002.04.12-12.02.02--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

>
>How big a battery you need (most folks say you need to be able to power
>the equipment for two or three days on battery power alone .... even more
>is better)

Larger batteries also make the charging much simpler, since they can
tolerate overcharge better. If you size your panel properly, you can
charge the battery, then in the case of lead acid, the charge rate
automatically drops to near zero. Large nicads can take proportionately
large overcharge currents, but I wouldn't go beyond 0.05C for long term use.

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---

250. [aprssig] Re: Positionless (a.k.a. POINTLESS) WX Packets

From: "Jeff King" <transit_man@hotmail.com>
Date: Fri, 12 Apr 2002 16:52:32 +0000
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-73726-2002.04.12-12.26.18--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

>From: David VanHorn <dvanhorn@cedar.net>

>>7) If a station really is "mobile" and providing weather data, I have
>>serious concerns regarding many of the sensors.
>
>I don't plan to take readings while moving, but rather when stopped, and
>the various sensors stabilize. It's easy to tell from the GPS data when you
>are moving, afterall.

Moving isn't the only issue. It is the weather conditions over a roadway
also. This includes temp (over black asphalt), humidity (a byproduct of
internal combustion is water vapor), wind speed (stand near the highway),
and visibility. Also pressure could have short term variations as well (the
wake of a truck).

I think you do skywarn, so for gross conditions I'd say it would be fine,
but in good weather, for prediction purposes, the data would be suspect.

-Jeff

____
MSN Photos is the easiest way to share and print your photos:
http://photos.msn.com/support/worldwide.aspx

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---

251. [aprssig] Re: Positionless (a.k.a. POINTLESS) WX Packets

From: "Mike Yetsko" <myetsko@insydesw.com>
Date: Fri, 12 Apr 2002 13:05:44 -0400
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-73727-2002.04.12-12.39.24--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Pressure would also have a problem do to elevation that would be
constantly in a state of flux. And no, GPS probably wouldn't fix it to
the precision it would need to be.

I'm working on a barometer right now for a project. I left home and
drove 30 miles and up about 700 feet in elevation. The barometer
recorded the proper drop in pressure. Then I got home again, and
when I looked at my log of the trip and compared it to the GPS,
the elevations didn't track the barometer. I was crushed! Then I
realized my 'outgoing' trip log on the GPS didn't quite match the
'incoming' trip log. But, the barometer readings at my house were
just 0.01" apart, leaving to returning. The GPS was over 100' in
elevation from leaving to returning.

Elevation is an iffy thing with most GPS units. At least, accurate
elevation is!

Sure, you could plot position and then figure out what the elevation
should be and...

```
Mike

----- Original Message -----
From: "Jeff King" <transit_man@hotmail.com>

> >From: David VanHorn <dvanhorn@cedar.net>
>
> >>7) If a station really is "mobile" and providing weather data, I have
> >>serious concerns regarding many of the sensors.
> >
> >I don't plan to take readings while moving, but rather when stopped,
and
> >the various sensors stabilize. It's easy to tell from the GPS data when
you
> >are moving, afterall.
>
> Moving isn't the only issue. It is the weather conditions over a roadway
> also. This includes temp (over black asphalt), humidity (a byproduct of
> internal combustion is water vapor), wind speed (stand near the
highway),
> and visibility. Also pressure could have short term variations as well
(the
> wake of a truck).
>
> I think you do skywarn, so for gross conditions I'd say it would be
fine,
> but in good weather, for prediction purposes, the data would be suspect.
>
> -Jeff



---
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252. [aprssig] Re: Positionless (a.k.a. POINTLESS) WX Packets

From: David VanHorn <dvanhorn@cedar.net>
Date: Fri, 12 Apr 2002 12:09:17 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-73730-2002.04.12-12.42.50--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

```
>
>Moving isn't the only issue. It is the weather conditions over a roadway
>also. This includes temp (over black asphalt), humidity (a byproduct of
>internal combustion is water vapor), wind speed (stand near the highway),
>and visibility. Also pressure could have short term variations as well
>(the wake of a truck).

Sure, these will need to be compensated for.
Pressure variations can be damped at the sensor. I've dealt with this
before, with transonic airflow. Real variations that we are interested in
happen over many seconds, so that won't be a problem. A lot of the rest is
in choosing a reasonable place to park.. :)


>I think you do skywarn, so for gross conditions I'd say it would be fine,
>but in good weather, for prediction purposes, the data would be suspect.

Exactly.  But having data, as long as it's measured in a consistent manner,
is better than no data.
I don't see much difference between this automated approach, and our
current approach of reading out our Kestrels, except that the automatic
version frees up the voice net, and automatically logs everything, and
potentially allows for software to detect outflow boundaries.


---
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253. [aprssig] Re: Positionless (a.k.a. POINTLESS) WX Packets

From: David VanHorn <dvanhorn@cedar.net>
Date: Fri, 12 Apr 2002 12:21:28 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>

Message-ID: <LYR842-73731-2002.04.12-12.54.50--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

```
>
>Sure, you could plot position and then figure out what the elevation
>should be and...

If you wanted to correct for it, I'm sure that there's a map product
available that would give ground level altitude vs position.

For what we are doing though, it's plenty accurate enough, because we
aren't so interested in small, or long duration changes.

Frankly, it's pot-kettle-black. I've seen many fixed stations that are
obviously not calibrated, because the pressure differentials indicate
hurricane force winds that are somehow not being reported..





---
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```

254. [aprssig] Re: Positionless WX Packets

From: "Richard Amirault" <ramirault@erols.com>
Date: Fri, 12 Apr 2002 13:37:31 -0400
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-73733-2002.04.12-13.12.06--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

```
Ok ... sorry for ruffling any feathers. My originaly post was concerning a
MacAPRS WX station that I didn't see "properly"    It turns out after
sending him APRS messages, then corresponding via e-Mail, that he did have
his MacAPRS (ver 3.5.2) settings wrong!

According to him: "In MacAPRS there is a setting for UTC offset - but its
not obvious"  Since I don't have any experience with the Windows or Mac
version I was hoping somone else here would speak up and say "Yes, have him
check the UTC offset setting" or something of the sort.

Bob, "jumped the gun" and assumed the positionles packet system was the
problem ... and we all went from there ;-)  He has set his system
'properly' now and I see his icon just fine (at least a whole heck of a lot
better than before)

Richard Amirault                          N1JDU                Boston,
MA, USA
ramirault@erols.com              "Go Fly A Kite"
http:// www.erols.com/ramirault


---
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```

255. [aprssig] Timestamping and MicroWeather

From: "David R. Andersen" <k0rx@RXcomm.net>
Date: Fri, 12 Apr 2002 12:51:04 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-73734-2002.04.12-13.25.38--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

```
Timestamping of weather packets is very important. The data is
essentially useless if not anchored temporally.

 From the MicroWeather web page...

  MicroWeather will key the radio and transmit
  time-stamped, APRS-formatted 1200 baud packet
  weather data at regular intervals. [note: the
  packets are also position-stamped]

The standard MicroWeather clock exhibits "quartz-watch"-type accuracy.
In addition, there is information on the page about using a TXCO to
achieve an extremely accurate clock.
```

Its much cheaper than a Peet Bros. or Davis wx station and it has far
better accuracy and resolution than an OSI wx station.

No TNC is required.

It reports temperature, humidity, baro pressure, wind speed, and wind
direction (the wind data requires the 1-wire anemometer). Shortly it
will also report rainfall.

Its available now in kit form. Read about it at the project web page:

http://www.RXcomm.net

73
Dave K0RX

--
Dave K0RX
http://www.RXcomm.net

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256. [aprssig] Re: Positionless (a.k.a. POINTLESS) WX Packets

From: RMckni8527@aol.com
Date: Fri, 12 Apr 2002 13:56:46 EDT
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: aprssig@tapr.org
Message-ID: <LYR842-73736-2002.04.12-13.31.06--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Someone responded:
>>
>>Sure, you could plot position and then figure out what the elevation
>>should be and...

And

>If you wanted to correct for it, I'm sure that there's a map product
>available that would give ground level altitude vs position.

Dave van Horn replied:

>For what we are doing though, it's plenty accurate enough, because we
>aren't so interested in small, or long duration changes.

>Frankly, it's pot-kettle-black. I've seen many fixed stations that are
>obviously not calibrated, because the pressure differentials indicate
>hurricane force winds that are somehow not being reported..

Ray responds:

Well, yes I am interested in small changes, or long duration trends. You may
not typically care at your QTH, if you live let's say in Alaska, that see a
constant progression of large low pressure systems advance throughout the
winter. Your barograph will look like a roller coaster. But take, for
example, a Caribbean Island. Over tropical waters the barograph can be
almost flat for days and weeks, the only variation being small diurnal
changes of between 1-3mb, almost barely noticeable on some instruments.
You're only indication of an impending storm might be just a slight bump in
this otherwise very predictable cycle, and it might not be a large bump. So
if you aren't careful you could easily get walloped when you weren't watching.

The whole argument about altitude not being important is trivialized. You
may not realize it, but a change of only 125 feet equals a difference of
about 6mb, hardly trivial. Failing to calibrate to sea level pressure makes
your entire reading practically useless to others, who are not usually aware
of the relation of your altitude to theirs. Without a common reference, sea
level pressure, a barometric pressure report is about as useful (read
useless) as a bunch of wind vanes referenced to magnetic north.

73's
Ray - WB3ABN

Kingston, WA

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257. [aprssig] Re: Positionless (a.k.a. POINTLESS) WX Packets

From: David VanHorn <dvanhorn@cedar.net>
Date: Fri, 12 Apr 2002 13:02:06 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: aprssig@tapr.org
Message-ID: <LYR842-73737-2002.04.12-13.35.35--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

>
>Ray responds:
>
>Well, yes I am interested in small changes, or long duration trends.

Different places, different weather, different solutions.
Our major threat is tornadoes, and severe thunderstorms, which have large amplitude, relatively short duration baro changes.

Temperature is also interesting, but we aren't so much interested in the absolute values, as finding boundaries between different temperatures. A 5-10F shift in less than a mile is typical.

I suspect you don't get a lot of tornadoes in alaska though.

:)

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258. [aprssig] Re: Positionless WX Packets

From: Bob Bruninga <bruninga@usna.edu>
Date: Fri, 12 Apr 2002 14:09:56 -0400 (EDT)
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: TAPR APRS Special Interest Group <aprssig@lists.tapr.org>
Message-ID: <LYR842-73739-2002.04.12-13.43.45--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Both "positionless" and "complete" weather are allowed in the spec. The following is not meant to favor one over the other, but just to explain some of the differences in how they evolved and where they apply...

On Thu, 11 Apr 2002, Keith Sproul wrote:

> Bob has for YEARS asked us to reduce reduce reduce reduce bandwith...
> If I am stationary, my position should be sent LESS often, i.e. once
> an hour or maybe once every half hour.. (my opinion is once an hour).
> Now when someone starts up and querries the network, I can send my
> position so I show up on their map..

One example of the differences is for mobiles. Driving through on the interstate where I would like to see local weather, 30 minutes to an hour (if one packet is lost) is a long time to wait for a useful weather report on my Kenwood. (Note, Kenwoods cannot query for position.)

> Now, If I am transmitting weather EVERY 5 MINUTES (like a lot of the
> weather people want), then I am transmitting my position 6 to 12
> times MORE than I need to.. That is a LOT more bandwidth than is
> needed.. Especially since a position is about 20 characters EACH
> TIME it is sent

Actually, Sproul's method of sending position and weather data separately is the right choice for their position packets which contain a lot more information:

```
WN4XXX>APW240,WA3YLO-13,KA3ATI-11,WA4XYZ-10*:=3909.01N/07532.45W_
              PHG5570/WinAPRS 2.4.0 -NJHUNLEBANONT-240-<530>
```

This is over 110 bytes which conveys data not included in the 20 byte position portion of a complete weather packet. These longer position reports can include PHG, a few copies of the Software version, the County and State abbreviation, and the type of processor plus any other text the station needs to include. Most of this was asked for by the WX people...

> THIS IS WHY THE POSITIONLESS WX packet was developed.. This is VERY
> important for HF which was important to APRS people...

Well, here I think the key to success on HF is short packets.

```
Position: =3909.01N/07532.45W_PHG5570/WinAPRS 2.4.0-NJHUNLEBANONT-240-<530>
Weather:  _01041345c008/s007/g010t051r000p001P000h00b10308wU2K

Complete: =3909.01N/07532.45W_123/010g005t070r010p001h00b10308dU2K
Grid-Fmt: >FM19SX/_123/010g005t070r010p001h00b10308dU2K
Cmpressd: =/YYYYXXXX_csg005t070r010p001h00b10308dU2K
```

The complete format is 4 or so bytes longer, but it is complete and no other packet has to be received before it has value.. The compressed version is even shorter. The complete Gridsquare format might even be OK for HF where the position is human readable and position ambiguity of a mile or so is OK..

> Also, the amount of data that the weather people wanted was making
> the packet longer and longer, to the point that it was
> well over 80 characters, or at least could have gotten that long..
> The positionless WX report is in the spec and is (currently) allowed,
> supported etc..

Agreed, and they both have their place. But the main difference between the positionless weather and the complete weather format is that the complete one contains 20 bytes of position in every packet, and the positionless one replaces that with about 10 bytes of DATE/TIME and format characters. So the difference is really only about 10 bytes when you consider Steve's comment that the date/time stamp is unreliable and almost always ignored..

But even if you consider the complete format to be 20 bytes longer, you can still send 6 complete formats every 5 minutes and use no more total bandwidth than the same shorter 6 positionless packets plus one full size position packet every 30 minutes.

Its basically a difference in APRS philosophy. I think of APRS as something that gets turned on and activated under stressful conditions when people need live data. Or for mobiles. Thus, all packets should be complete.

I think the Sprouls approach was to provide a comprehensive 24/7 weather system for all the Hams that support the National Weather Service covering larger areas of more permanent data. This assumes that people are on 24/7 and so they already konw where the weather stations are..

de WB4APR, Bob

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259. [aprssig] Re: Positionless (a.k.a. POINTLESS) WX Packets

From: RMckni8527@aol.com
Date: Fri, 12 Apr 2002 15:38:24 EDT
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: aprssig@tapr.org
Message-ID: <LYR842-73741-2002.04.12-15.12.20--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Ray wrote:

>>2) If a weather station operator cannot be relied upon to time stamp a data
>>packet with a reasonably accurate time, then I will NEVER trust any of
their
>>data to be reliable. Time is probably the simplest sensor to ensure
accuracy.
>>

In a message dated 12-Apr-02 01:33:24 Pacific Daylight Time, k4hg@tapr.org

writes:
>If someone were looking at the time stamp, then there might be a reason for
>people to keep their clocks set. However, since no one does anything with the
>time, people don't bother, you can't make an assumption that this means their
>weather data is not reliable. I know I don't need to set my clock on the
weather
>computer, so I don't.

Ray replies:
So the data a weather station collects is not useful for themselves? The primary reason I have a wx station is to track trends and to use the data for forecasting. If I didn't know when my data was collected it would be of little use to me. Being able to pass the data to the network is secondary. I view it as a fundamental question of quality control. Back in the days when all the instruments were manual, part of the process of taking a weather observation was to check the condition of the instrument to ensure it was reliable and consistent. I guess the advancement of technology relives the individual of any responsibility to QC his data - put it up, turn it on, and walk away. Bob has shown that bandwidth really isn't such a big issue, but it looks like we all just have to agree to disagree. For me, if I don't record the time of my observations I haven't taken a complete ob, plus they have little value to me. And I can't shift that responsibility to anyone else. I see your point, but it's not the solution that works for me. I can't control how you treat the data when you receive it. I am concerned, however, about changing a time stamp if there's a significant delay between transmission and receipt. It would corrupt my data. I concede a few seconds or a minute isn't too significant, but beyond that I would expect you to discard the data as suspect, not automatically change the stamp and archive it anyway.

73's
Ray - WB3ABN
Kingston, WA

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260. [aprssig] Re: Positionless (a.k.a. POINTLESS) WX Packets

From: Steve Dimse <k4hg@tapr.org>
Date: Fri, 12 Apr 2002 16:34:15 -0400
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: TAPR APRS Special Interest Group <aprssig@lists.tapr.org>,
aprssig@tapr.org
Message-ID: <LYR842-73744-2002.04.12-16.08.34--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

On 4/12/02 3:38 PM, RMckni8527@aol.com wrote:

>So the data a weather station collects is not useful for themselves? The
>primary reason I have a wx station is to track trends and to use the data for
>forecasting. If I didn't know when my data was collected it would be of
>little use to me.

Of course the data is useful for some stations. However, as I stated, if the time on your computer is important to you, then you will make sure your clock is accurate. Those people who don't use the data on their own computer (and most APRS users fall into this category) are less concerned. I'm using MacAPRS as the client program on my weather station. One of these days I'm planning to write my own thin client (does nothing but forward weather reports to RF and the APRS IS, so I can connect the weather station to a linux box without the overhead of a full client. Until then, I depend on findU for looking at my weather data, and I suspect so do a lot of others.

>Being able to pass the data to the network is secondary.

To you perhaps, but for me it is the primary purpose, both for forwarding it to NOAA and for my own personal use.

>I view it as a fundamental question of quality control. Back in the days
>when all the instruments were manual, part of the process of taking a weather
>observation was to check the condition of the instrument to ensure it was
>reliable and consistent. I guess the advancement of technology relives the
>individual of any responsibility to QC his data - put it up, turn it on, and
>walk away.

Far too many do, I'm not one, I love using the CW feed to check the validity of my collected data. However poisoning the data by using bogus timestamps does nothing to force them to improve their clock. Oh, I'm sure if findU used the timestamp in packets containing one, some people would set their clocks more closely. But as long as findU is off a couple seconds, and can stamp every packet, why not use that?

>Bob has shown that bandwidth really isn't such a big issue, but
>it looks like we all just have to agree to disagree. For me, if I don't
>record the time of my observations I haven't taken a complete ob, plus they
>have little value to me.

I agree with you, there must be a time. However, as I say, for myself and I many other weather station owners, the data is not logged to our own computers, but rather sent to the network. Even I don't have a program that can manipulate a saved weather log file and produce a trend. Mac/WinAPRS has a nice graph display which I emulated with wxpage, but it is limited to 24 hours, you cannot set the options or look at old data. What program do you use to look at trends?

>And I can't shift that responsibility to anyone
>else. I see your point, but it's not the solution that works for me. I
>can't control how you treat the data when you receive it. I am concerned,
>however, about changing a time stamp if there's a significant delay between
>transmission and receipt. It would corrupt my data. I concede a few seconds
>or a minute isn't too significant, but beyond that I would expect you to
>discard the data as suspect, not automatically change the stamp and archive
>it anyway.

If I did that most of the data would disappear. Again, perhaps that would force people to pay more attention, but it would also turn me into a policeman and force me to spend a lot of time explaining things. I've donwe that in the past on different problems in APRS, not my idea of a fun time.

Certainly if there were reasons to suspect long propagation delays within the APRS system, then you would have a point. I challenged you to produce one, and in the absence of one, perhaps you can agree that for now this is an acceptable solution for the needs APRS users. It doesn't work for you, fine, but you are already logging the data to your own disks with your own timestamps, so why object to something that works for the system as a whole?

I see this as another of the purist vs. pragmatist arguments. I'm a fervent pragmatist. If it works, keep it, if it is broken, fix it. I've done plenty of both in my time. I've never seen the point of disrupting things to make them "pure", as in the recurrent debate about using port 23 for the APRS IS feed.

Steve K4HG

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---

261. [aprssig] TCP Open Failed

From: "Bill Guthrie" <willy3jax@telocity.com>
Date: Fri, 12 Apr 2002 16:43:53 -0400
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-73749-2002.04.12-16.15.19--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Hello:

What would cause WinAPRS2.5.1 to fail to open a TCPIP port? I am running a Linksys DSL Router. Would there be special instruction for WinAPRS to make it out past the router?

Thanks

Bill, KC4OUA
kc4oua@arrl.net
willy3jax@telocity.com

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262. [aprssig] Re: TCP Open Failed

From: "JTB" <fireman1333@attbi.com>
Date: Fri, 12 Apr 2002 17:00:46 -0400
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-73750-2002.04.12-16.30.07--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

```
I have the same problem with out a router, just the cable modem to PC, and I
get the same " TCP open failed."
I also don't know how to fix this.
-JB
 KB1EJW
----- Original Message -----
From: "Bill Guthrie" <willy3jax@telocity.com>
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Sent: Friday, April 12, 2002 4:43 PM
Subject: [aprssig] TCP Open Failed


> Hello:
>
> What would cause WinAPRS2.5.1 to fail to open a TCPIP port?  I am running
a
> Linksys DSL Router. Would there be special instruction for WinAPRS to make
> it out past the router?
>
> Thanks
>
> Bill, KC4OUA
> kc4oua@arrl.net
> willy3jax@telocity.com
>
>
>
>
>
>
>
> ---
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>
>


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```

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263. [aprssig] Re: Positionless (a.k.a. POINTLESS) WX Packets

From: "Jeff King" <transit_man@hotmail.com>
Date: Fri, 12 Apr 2002 20:59:34 +0000
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-73751-2002.04.12-16.34.02--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

```
>From: Steve Dimse <k4hg@tapr.org>

>I've never seen the point of disrupting things to make them
>"pure", as in the recurrent debate about using port 23 for the APRS IS
>feed.

That is a different animal altogether. The APRS weather stuff is/was new
with new ham standards where as the IP port numbering scheme was a existing
standard, outside of amateur radio, which some still continue to thumb their
nose at.

In any case, see no reason to bring a unrelated red herring in. Stick to the
topic at hand.

-Jeff


_________________________________________________________________
Get your FREE download of MSN Explorer at http://explorer.msn.com/intl.asp.
```

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---

264. [aprssig] Re: TCP Open Failed

From: "Rich Garcia" <k4gps@bellsouth.net>
Date: Fri, 12 Apr 2002 17:05:03 -0400
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-73752-2002.04.12-16.39.25--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

I recently started seeing this problem but it does not appear to be a router
issue.

When WinAPRS comes up it attempts to open a port at aprs.net 10151 which is
no longer used. I have not
really looked into the problem too much, a bit of laziness' here. All that I
do is close the port and then connect to one of the AHub ports on 2023 for
my Igate.

If you can close the original port that first opens up and then attempt to
open one of the active ports
and get results it is not a port issue. Be aware that you must have a edited
aprserve.txt file in the WinAPRS directory
with all of the updated ports so that you will have the proper selections
available.

Rich

-----Original Message-----
From: bounce-aprssig-19959@lists.tapr.org
[mailto:bounce-aprssig-19959@lists.tapr.org]On Behalf Of JTB
Sent: Friday, April 12, 2002 5:01 PM
To: TAPR APRS Special Interest Group
Subject: [aprssig] Re: TCP Open Failed

I have the same problem with out a router, just the cable modem to PC, and I
get the same " TCP open failed."
I also don't know how to fix this.
-JB
KB1EJW
----- Original Message -----
From: "Bill Guthrie" <willy3jax@telocity.com>
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Sent: Friday, April 12, 2002 4:43 PM
Subject: [aprssig] TCP Open Failed

> Hello:
>
> What would cause WinAPRS2.5.1 to fail to open a TCPIP port? I am running
a
> Linksys DSL Router. Would there be special instruction for WinAPRS to make
> it out past the router?
>
> Thanks
>
> Bill, KC4OUA
> kc4oua@arrl.net
> willy3jax@telocity.com
>
>
>
>
>
>
>
> ---
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>
>

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Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

265. [aprssig] Re: TCP Open Failed

From: "Mark A.Foley" <na4v@cox.net>
Date: Fri, 12 Apr 2002 17:25:59 -0400
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-73755-2002.04.12-16.59.30--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

I would suggest all APRS IS users to bookmark this URL:
http://www.ahubswe.net/aprs_stat.asp Going to Roger's page will
instantly tell you the availability of servers...just a thought....
Mark, NA4V

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266. [aprssig] Visual Satellite Display

From: Bob Bruninga <bruninga@usna.edu>
Date: Fri, 12 Apr 2002 19:18:41 -0400 (EDT)
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-73761-2002.04.12-18.52.29--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

I just posted a program that will show graphically the elevation angle and
polar plot of all visual satellties that will be in view in the next 10 to
30 minutes or so. See the screen shot:

http://web.usna.navy.mil/~bruninga/photos/visual.jpg

It is ideal to run in real-time when outdoors after sunset. It is hands
off, in that the display just always shows you whats up there, and there
is almost always something up there within 10 minutes or so. The amateur
satellites (not visible) are shown solid so you can't miss them. But all
the others are from the VISUAL subset of Tom Kelso's CELESTRAK site.

The whole program and keps file is less than 120K. Actually, it is just
an extract of the graphical time display of APRStk... and the PCSAT
program...

Download: ftp://tapr.org/aprssig/dosstuff/APRSdos/visual.zip

I did it up today because my wife was going to be having a star-party
tonight at her telescope, and I thought it would be neat to see any
satellites.. It is kinda crude, but works great!

de WB4APR@amsat.org, Bob

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267. [aprssig] Re: [amsat-bb] Visual Satellite Display

From: Jim Jerzycke <kq6ea@pacbell.net>
Date: Sat, 13 Apr 2002 00:13:14 +0000
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: TAPR APRS SIG <aprssig@lists.tapr.org>, amsat-bb@AMSAT.Org
Message-ID: <LYR842-73766-2002.04.12-19.46.57--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Great one, Bob! Thanks for the 'quickie'!
73, Jim KQ6EA

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268. [aprssig] Re: Positionless (a.k.a. POINTLESS) WX Packets

From: RMckni8527@aol.com
Date: Fri, 12 Apr 2002 20:47:38 EDT
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: aprssig@tapr.org
Message-ID: <LYR842-73786-2002.04.12-20.21.32--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

In a message dated 12-Apr-02 13:37:30 Pacific Daylight Time, k4hg@tapr.org writes:

>What program do you use to look at trends?

Ray replies:
I currently have two methods to do this. Primarily I use WeatherView32 (http://www.weatherview32.com/) for my casual needs, as it has the slick dials and graphs built into the interface. It also includes an almanac so I can compare historical trends. It's a supercharged interface to enhance the limited functions of the WX200 display unit. Because I have sufficient serial ports available, I can run it concurrently with WinAPRS. I just split the serial data line to feed both ports. I'm not seeing a MAC version on their web site, however, maybe it will run under Win-emulation.

I also have a much more professional program I inherited from my work. It is a custom application produced by NOAA designed primarily as a data logging system on oceanographic research vessels. It can handle 64+ serial ports, log directly from a TCP/IP socket, and is evolving HTTP support as well. With this I can log each sensor on a separate port, plus the software has the ability to parse any part of a serial or NMEA sentence then recombine these into unique NMEA strings for custom outputs. For instance I can take a GPS sentence, strip the lat/long, then add that to the heading from a gyro compass or 3-D GPS, then insert wind speed/direction and water depth or temperature. Logging can be done at 1 second intervals, or any interval that is appropriate. Each sensor is logged independently and is given a date/time stamp, unique file name, and can be placed in any directory you like. There are also some trend graphs available, as well as gauges for instantaneous readings like wind speed or heading, but these functions are only included as a frill. If I want to really play with the data I would use MatLab or maybe ARCView.

Steve commented:
> Certainly if there were reasons to suspect long propagation delays within
the
>APRS system, then you would have a point. I challenged you to produce one,
and
>in the absence of one, perhaps you can agree that for now this is an
acceptable
>solution for the needs APRS users. It doesn't work for you, fine, but you are
>already logging the data to your own disks with your own timestamps, so why
>object to something that works for the system as a whole?

Ray replies:
Swapping my meteorologists hat for that of a network administrator, you yourself previously gave several good examples of how data can be substantially delayed. I think it would be extremely difficult to analyze your database to extract any real evidence, since many stations don't include a time stamp from the originator, and if they do you replace them with your own. How could we tell if data were delayed at FindU? Just thinking out loud here, if someone's ISP choked and built up let's say a six hour backlog of wx data in the queue, then the problem was fixed and it spit it all out at once, how would your system deal with that? Receiving maybe 100+ reports from a single source but since they would be received almost at the exact same time, would you have 100 data points all piled on top of each other, but with varying values?

TCP/IP isn't perfect. Yes, it works marvelously most of the time. But just think about this SIG, there have been times when something got Gumped in the server and it started generating dupe postings from weeks/months back. That's the kind of thing I see as a major problem. Sure, a big event would likely get noticed, the occasional wayward datagram probably not.

Maybe I'm spoiled. For me, the timestamp is one of the first QC checks, allowing me to discard data that gets out of sync. Luckily NOAA does this for us as they ingest our data, they too discarding data that appears out of range or illogical. I guess I'd have a very hard time sending raw data with little or no way to QC it. Obviously some don't feel the same way. One of the nicest features of the NOAA software I use is the built-in QC program that alarms when data is interrupted or falls outside set limits. Of course this is way beyond the scope of the hobbyist.

I concede that your method does smooth some badly formatted data (those with grossly innaccurate clocks). But it won't make the meteorologists happy, and won't provide any clues when data IS received after a long delay. At least the date/time of the data will appear normal, although the sensor values will likley force NOAA to spit it out if it appears unreasonable. So in that regard it's swapping one problem for another. Or at least shifting the responsibility to the user of the data to check its validity as best they can.

I can provide a personal experience. I came home one day from work and discovered the TX light on my TNC was on, and the transmitter was keyed up, and was as hot as a habenero pepper! It must have been stuck in TX for hours, even though I swear that there's supposed to be a time out loop in the TNC to prevent this. No way to determine exactly when it locked or for how long. Luckily it wasn't when I was away from home for a longer period. Certainly the rig would have melted down eventually. I know it likely gridlocked the frequency for most of Puget Sound. I probably won't leave any of my gear unattended for very long ever again. And sending APRS wx for only a few hours a day is not very beneficial.

I don't know what the best answer is.

73's
Ray - WB3ABN
Kingston, WA

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269. [aprssig] Re: Visual Satellite Display

From: BordingK@aol.com
Date: Fri, 12 Apr 2002 21:17:48 EDT
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-73787-2002.04.12-20.51.42--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

In a message dated 4/12/2002 7:19:22 PM Eastern Daylight Time, bruninga@usna.edu writes:

> http://web.usna.navy.mil/~bruninga/photos/visual.jpg

Hummmm... I wonder if this will run in Pocket Windows (Windows CE) on my IPAQ?

DE W5KNB
Ken

270. [aprssig] MFJ 1270C Mailbox Upgrade

From: wa4tkg@attbi.com
Date: Sat, 13 Apr 2002 03:03:46 +0000
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-73805-2002.04.12-22.37.33--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Can anyone tell me the cost of expanding the memory
capability of the MFJ 1270C ?

I have only the standard amount of mailbox space
(32K), and was wondering about each upgrades cost.
128K, or 512k.
Anyone know the cost of these upgrades?

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271. [aprssig] Solar power information

From: John Kraus <jfkraus3@cox.net>
Date: Fri, 12 Apr 2002 23:04:51 -0400
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-73806-2002.04.12-22.38.45--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

I have subscribed to this magazine for several years. It is one of the best sources for alternative energy information that I have found anywhere. While it is not ham oriented it has articles that describe systems that can be adapted for ham use and the content is designed for the average person not engineers. Now for the best part the entire magazine can be downloaded in PDF format FREE. It has far more than just solar.

http://www.homepower.com/

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272. [aprssig] Re: TCP Open Failed

From: Ryan Tourge <ryrto@yahoo.com>
Date: Fri, 12 Apr 2002 20:39:49 -0700 (PDT)
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-73807-2002.04.12-23.13.37--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

The server could be down, router misconfiguration, ISP problem, lots of variables...

--- Bill Guthrie <willy3jax@telocity.com> wrote:

> Hello:
>
> What would cause WinAPRS2.5.1 to fail to open a
> TCPIP port? I am running a
> Linksys DSL Router. Would there be special
> instruction for WinAPRS to make
> it out past the router?
>

____
Do You Yahoo!?
Yahoo! Tax Center - online filing with TurboTax
http://taxes.yahoo.com/

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---

273. [aprssig] WinAPRS and Afilter - NWS Radar images.... Plus D700 information

From: "Kevin Brown" <kbrown@powerhouseproductions.com>
Date: Fri, 12 Apr 2002 22:59:23 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-73809-2002.04.12-23.33.06--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

I'm trying again to get the NWS radar images displayed under the local stations via WinAPRS. However, when I select the desired image - I continue receiving a "Waiting for image from web server" Is this an issue with Afilter running "in front" of WinAPRS causing access to the web being "restricted?"

COMING SOON: The truth about using the Kenwood D700A as a data radio (non-aprs), for tactical commmunications. The results might surprise some of you and cause others to become irate.

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274. [aprssig] Excessive path, can someone help this fellow?

From: KB7ADO@aol.com
Date: Sat, 13 Apr 2002 00:58:18 EDT
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-73845-2002.04.13-00.32.11--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

I just noticed some signals coming through tcpip from a truck driver in Canada. If someone knows VE4DS-9, maybe they can contact him and help him adjust his path. This is what I copied on his transmission by the time it got to SW Washington:
WIDE3-2,WIDE3-1,WIDE3-2,WIDE3,WIDE3-2,WIDE3-2,TCPIP,KD7NM (last call is where I think it got fed into the RF side). I don't know whether the transmissions would actually propogate to all the paths that have been entered, but at least it would help to shorten up his transmission periods.

Bob, KB7ADO

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275. [aprssig] Re: WX Packets

From: Bill Herrmann <bherrman@spro.net>
Date: Fri, 12 Apr 2002 22:51:10 -0600
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-73848-2002.04.13-00.39.21--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

At 04:34 PM 4/12/02 -0400, you wrote:
>I agree with you, there must be a time. However, as I say, for myself and
>I many other weather station owners, the data is not logged to our own
>computers, but rather sent to the network.

This may be true for people who started with APRS and then added weather stations. However, I suspect that the weather station manufacturers didn't develop the computer interfaces and software to run them just for giggles. I would bet that the majority of people who have a weather station log the data for their own purposes.

Personally, I'd love to make my weather data available to others (there are no currently active APRS weather reports within 100 miles of me) but I'm not about to risk a gap in over 4 years of recorded weather data by switching programs and I haven't been able to get any reference to what format my APRS software expects. I can easily set my current program to automatically download the data and it will even dump the latest data in a well-defined location so it would be trivial for me to write a conversion program if I just had the format...

>Even I don't have a program that can manipulate a saved weather log file
>and produce a trend. [snip] What program do you use to look at trends?

The computer interface for my station came with a very nice little program that does that just fine. I can look at trends over all the saved data I have if I want to. It even generates NOAA format reports.

Bill

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276. [aprssig] Re: Altitude

From: Bill Herrmann <bherrman@spro.net>
Date: Fri, 12 Apr 2002 22:54:23 -0600
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-73849-2002.04.13-00.39.30--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

At 01:05 PM 4/12/02 -0400, you wrote:
>Elevation is an iffy thing with most GPS units. At least, accurate
>elevation is!

Make that all. I've seen somewhere in the description of the GP System

(sorry, don't have an exact location) that altitude precision was
sacrificed in the design in favor of horizontal position.

Bill

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277. [aprssig] Re: WX Packets

From: David L Norris <kg9ae@webaugur.com>
Date: 13 Apr 2002 02:37:39 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: "TAPR APRS Special Interest Group <aprssig@lists.tapr.org>
<LYR26593-73848-2002.04.13-00.39.21--kg9ae#webaugur.com@lists.tapr.org>
<LYR28501-73741-2002.04.12-15.12.20--k4hg#tapr.org@lists.tapr.org>"
<LYR26593-73848-2002.04.13-00.39.21--kg9ae#webaugur.c
Message-ID: <LYR842-73878-2002.04.13-03.11.42--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

On Fri, 2002-04-12 at 23:51, Bill Herrmann wrote:
> I haven't been able to get any reference to what
> format my APRS software expects.
> ...
> it would be trivial for me to write a conversion
> program if I just had the format...

Err, page 62-67 of the APRS protocol manual? 72-77 in the PDF file's
index...

APRS Protocol Manual:
  ftp://ftp.tapr.org/aprssig/aprsspec/spec/aprs101/APRS101.pdf

Grab your data, calculate some statistical info, format a report, then
send it out to an APRS server or TNC. I use a PERL script to do just
that.

--
 David Norris, ARS: KG9AE
  KG9AE's Web - http://www.webaugur.com/dave/kg9ae/
  ICQ - 412039

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278. [aprssig] MFJ-1278 commands

From: "David Thege" <dthege@ncfcomm.com>
Date: Sat, 13 Apr 2002 6:39:50
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-73895-2002.04.13-07.13.57--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Does anyone have a list of the the commands for the MFJ-1278 TNC? A friend
of mine has an older one and doesn't have any books for it. We want to use
it for an APRS digipeater and need the command settings for it to do this.
Thanks, Dave N0XBN

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279. [aprssig] Geodetic determination of vertical using GPS: Was: Re: Altitude [CAUTION, technical discussion included]

From: Gerry Creager N5JXS <gerry@cs.tamu.edu>
Date: Sat, 13 Apr 2002 06:46:27 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: TAPR APRS Special Interest Group <aprssig@lists.tapr.org>
Message-ID: <LYR842-73900-2002.04.13-07.20.16--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

More to the point: When one employs trilateration for the purposes of
determining a position of interest, it's pretty easy to get adequate

geometry for very accurate horizontal position determination, when located at a point on the general surface of the earth (differentiating here from those in deep, steep-walled valleys or urban canyons) with good, unobstructed sky-view. In order to get as accurate 3-dimensional positioning one really needs a reference satellite in the group of 4 used for trilateration at a position approximating -Z. Since RF propagation through dirt is problemmatic, we settle for using satellites that are above teh horizon, and we do sacrifice some accuracy in vertical.

Further, if one uses satellites too low on the horizon (signal passing through too much of the troposphere and ionosphere) at least for autonomous determination using solely the L1 frequency, the delays are unmodeled, and cannot be adequately mitigated in processing. This adds to the error budget, and is especially obvious in vertical determination.

At a recent Institute of Navigation meeting, one of the papers did a rigorous evaluation of the error budget in vertical with regard to horizontal autonomous and differential/differenced position determinations. This review showed mathematically that the accuracy of vertical determinations, save under the most rigorous differenced determinations, was on the order of 1.414 (ie., SQRT(2)) worse than that of vertical determinations. This finding, consistent with anecdotal evidence, proposed a set of error budget adjustments for vertical (autonomous) determination.

'Nother point. 'Elevation' cannot be determined by GPS. what can be calculated directly is 'Height Above Ellipsoid.' Recall that the ellipsoid is the surface created when one rotates an ellipse (the general form of a circle, with flattening of the semimajor access, creating an object with 2 foci rather than the circle's single, merged focus) about its semimajor (shorter) axis. The various ellipsoids used in geodetic work, including the Clarke-1866 Ellipsoid associated with WGS-84, virtually all provide a smooth-surface approximation of the Earth's surface suitable as a starting point for geodetic calculation.

"Mean Sea Level" is not used when one determines vertical using GPS, as it's a subjective datum that fails to account for gravetic variations of a relatively local nature. Thus, attempting to close a vertical surveying loop between, say, Galveston, Texas, and Boston, MA, would yield a result that's less than stellar. One of the classic examples of this is the difference in gravetic potential between Northern and Southern California. Significant closure issues arise there.

In the geodetic world, we now use, for the purposes of vertical work, the concept of a 'Geoid' which is the undulating surface defined by a constant gravetic potential. The current Geoid in use in the Continental United States, as determined and published by the National Geodetic Survey, is Geoid99. The Geoid is periodically reviewed and updated, based on densified local absolute gravity measurements and improved modelling tools. As the process of local absolute gravity determination is time-consuming and requires some finnicky and large hardware, it's non-trivial to densify a large area, such as the United States.

There is a separation or difference between the geoid and ellipsoid at most points. The GPS geodetic model accounts for these deltas in an area-fashion. In other words, while one could populate a database with deltas for individual points, one can as well calculate the separation for wider areas, due to the sparce nature, even now, of local gravity data. Orthometric height is the derived value one gets when one carefuly determines the 3-dimensional position with respect to the Ellipsoid, subtracts the Geoid separation, and accounts for angular difference in local vertical.

Orthometric height corresponds pretty well to what we think of as "Mean Sea Level," but is a more objective measurement of vertical accounting for distance from the centroid of mass of the Earth, local gravity, and angular deltas in vertcial caused by local gravetic anomalies.

Questions?

73, gerry

--

Bill Herrmann wrote:

> At 01:05 PM 4/12/02 -0400, you wrote:
>
>> Elevation is an iffy thing with most GPS units. At least, accurate
>> elevation is!

```
>
>
> Make that all. I've seen somewhere in the description of the GP System
> (sorry, don't have an exact location) that altitude precision was
> sacrificed in the design in favor of horizontal position.

--
Gerry Creager -- gerry@cs.tamu.edu
Network Engineering
Academy for Advanced Telecommunications and Learning Technologies
Texas A&M University    979.458.4020  (Phone) -- 979.847.8578  (Fax)


---
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```

---

280. [aprssig] Re: Positionless (a.k.a. POINTLESS) WX Packets

From: Bob Bruninga <bruninga@usna.edu>
Date: Sat, 13 Apr 2002 08:24:12 -0400 (EDT)
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: TAPR APRS Special Interest Group <aprssig@lists.tapr.org>
Message-ID: <LYR842-73902-2002.04.13-07.58.00--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

```
> Steve commented:
> >Certainly if there were reasons to suspect long propagation delays within
> >the APRS system, then you would have a point... [but that doesnt happen...]
>
> Ray replies: ...if someone's ISP choked and built up let's say a six
> hour backlog of wx data in the queue, then the problem was fixed and it
> spit it all out at once, how would your system deal with that?... TCP/IP
> isn't perfect. But just think about this SIG, there have been times when
> something got Gumped in the server and it started generating dupe
> postings from weeks/months back.

I think some people might confuse store-and-forward EMAIL and Datagrams.
Datagram packets are quite different.  Email is supposed to be delivered
and every system holds it until a path is found for days and days.
Datagrams (APRS packets) are live and are delivered in seconds.  If there
is a problem, they die...

Time-of receipt is far more reliable (since the recepient can verify the
accuracty of HIS clock) than the random settings of 10,000 home PC's...

de WB4APR


---
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```

---

281. [aprssig] Re: [amsat-bb] Visual Satellite Display

From: Bob Bruninga <bruninga@usna.edu>
Date: Sat, 13 Apr 2002 08:35:57 -0400 (EDT)
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: TAPR APRS SIG <aprssig@lists.tapr.org>, <amsat-bb@amsat.org>
Message-ID: <LYR842-73903-2002.04.13-08.09.59--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

```
On Sat, 13 Apr 2002, Mike Gilchrist wrote:

> 1) Check for an Internet connection upon program initialization, and
> download fresh keps.

APRSdos is too stupid (me included) to konw  how to do that from DOS...
I have made many cahges lasst night, but I cannot remember.  Did the one I
posted include the "I" command for "inputting Keps"?

> 2) Present a table of relative magnitudes of the observable objects,
> perhaps as an ALT-key choice.

If you can find a table, I might try to do the correlation..>

Bob
```

```
---
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```

282. [aprssig] PCsat Alive and well

From: Bob Bruninga <bruninga@usna.edu>
Date: Sat, 13 Apr 2002 08:48:00 -0400 (EDT)
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-73906-2002.04.13-08.21.50--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

```
PCsat has had a perfect recovery and is fully functional on daylight
passes.  Since it recovered Last Sunday, it has not had one reset.
This is a big change from 14 resets a day for 25 days!

We encourage daylight operation only so that we dont run the batteries
down at night, but if you are doing a special demo for a group or club or
other special activity, or are traveling in remote areas, you are welcome
to send a few packets at night.

de WB4APR@amsat.org, Bob

PCsat WEB  page     http://www.ew.usna.edu/~bruninga/pcsat.html
ISS-APRS FAQ:       http://www.ew.usna.edu/~bruninga/iss-faq.html


---
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```

283. [aprssig] Re: MFJ-1278 commands

From: "Ronald Reams" <wa4mjf@worldnet.att.net>
Date: Sat, 13 Apr 2002 09:42:42 -0400
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-73916-2002.04.13-09.15.45--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

```
If'n I don't make any mistake, I think that is what
is called a TAPR-2 clone.  That means the std cmds
will work.

I can't tell you those as I use all Kantronics stuff which
is a different breed all together.

I thnk that if you check www.aesham.com y'all find some fo those
memory chips on closeout (or maybe demo).  I saw 'um
the other day.

73 de Ronnie


----- Original Message -----
From: "David Thege" <dthege@ncfcomm.com>
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Sent: Saturday, April 13, 2002 06:39
Subject: [aprssig] MFJ-1278 commands


Does anyone have a list of the the commands for the MFJ-1278 TNC? A friend
of mine has an older one and doesn't have any books for it. We want to use
it for an APRS digipeater and need the command settings for it to do this.
Thanks, Dave N0XBN




---
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```

284. [aprssig] Re: Excessive path, can someone help this fellow?

From: Earl Needham <needhame@yucca.net>
Date: Sat, 13 Apr 2002 07:44:08 -0600
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>

Message-ID: <LYR842-73917-2002.04.13-09.18.43--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

At 12:58 AM 4/13/2002 -0400, KB7ADO@aol.com wrote:
>I just noticed some signals coming through tcpip from a truck driver in
>Canada. If someone knows VE4DS-9, maybe they can contact him and help him
>adjust his path. This is what I copied on his transmission by the time it
>got to SW Washington:
>WIDE3-2,WIDE3-1,WIDE3-2,WIDE3,WIDE3-2,WIDE3-2,TCPIP,KD7NM (last call is where
>I think it got fed into the RF side). I don't know whether the transmissions
>would actually propogate to all the paths that have been entered, but at
>least it would help to shorten up his transmission periods.

If you received a packet with that path on TCP/IP, then it should
be in Findu, right? I sure can't find a packet like that at
http://www.findu.com/cgi-bin/rawposit.cgi?call=ve4ds-9&amp;start=36&amp;leng
th=36

I would suspect a packet collision or something rather than such
an incredible path.

7 3
Earl

Earl Needham, KD5XB, Clovis, New Mexico
KD5XB-2>APW251,PCSAT-1*:=3425.83N/10313.55W-PHG7150/WinAPRS 2.5.1
-EARL_CLOVIS -251-<630>
Did you get a letter from Nigeria offering a "deal"? See
http://home.rica.net/alphae/419coal/ and
http://www.crimes-of-persuasion.com/Crimes/Business/nigerian.htm

---
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285. [aprssig] RE: Baker to Vegas

From: Paul Jacques <paulj@rain.org>
Date: Sat, 13 Apr 2002 06:45:38 -0700
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-73918-2002.04.13-09.20.16--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

You can also check out APRS coverage of the Baker to Vegas
run at http://www.ocraces.org/.

Paul
WB6IWT

>The Baker to Vegas run is coming up in just over a week. Over the past >couple
>months I've had contacts from several different people involved asking >about
>tracking the event on findU. I sent each a lengthy discourse on what I >needed to
>set up a separate page, but so far I've not heard anything back. I have a
>feeling at 6PM next Friday I'm going to be getting some frantic emails, >so I'm
>trying to be proactive...

>I took the APRSdos map which was used on the old javAPRS page, and made a >large
>png/geo map of it:

>http://www.findu.com/cgi-bin/plot.cgi?call=*&geo=b2v.geo

>This URL can be used like this to show all the surrounding activity, or >with
>specific calls to track individual stations.

>I would really like to do a special tracking page, as this event usually >draws a
>lot of traffic to my sites. If there is anyone on the sig that knows the
>callsigns that will be used and which team they are associated with I'd >love to
>get a list, or put me in contact with someone that can help.

>Steve K4HG

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---

286. [aprssig] RE: Solar power information

From: "Brian B. Riley \(N1BQ\) ListAcct" <n1bq_list@wulfden.org>
Date: Sat, 13 Apr 2002 10:50:49 -0400
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-73919-2002.04.13-10.24.38--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Not to mention that more than half the staff an writers are hams.

-----Original Message-----
From: bounce-aprssig-25883@lists.tapr.org
[mailto:bounce-aprssig-25883@lists.tapr.org]On Behalf Of John Kraus
Sent: Friday, April 12, 2002 11:05 PM
To: TAPR APRS Special Interest Group
Subject: [aprssig] Solar power information

I have subscribed to this magazine for several years. It is one of the best sources for alternative energy information that I have found anywhere. While it is not ham oriented it has articles that describe systems that can be adapted for ham use and the content is designed for the average person not engineers. Now for the best part the entire magazine can be downloaded in PDF format FREE. It has far more than just solar.

http://www.homepower.com/

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---

287. [aprssig] GPS location settings

From: k9soa@att.net
Date: Sat, 13 Apr 2002 15:51:10 +0000
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-73924-2002.04.13-11.25.00--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Does it make any difference on what format is displayed
on the GPS to what is sent out the port to the TNC or
does the NEMA setting ignore the display format?

The eMap has HDDD.MM.SS.S, HDDD.MM.MMM, or HDDD.DDDD

--
Don

www.k9soa.net (EM77EW)

Home of "JEANNIE"
The House That Listens
Using HAL2000 by Home Automated
Living
Seen on HGTV's Dream Builder show

Featured Home of the Month
Home Automation Magazine March 2002

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---

288. [aprssig] ADMIN: HTML no more

From: Stan Horzepa <stanzepa@earthlink.net>
Date: Sat, 13 Apr 2002 12:06:13 -0400
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>

Message-ID: <LYR842-73933-2002.04.13-11.42.02--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Thanks to a tip I received from Bill, WA7NWP, I was able to configure the SIG software to automatically reject HTML messages. So, this SIG is now HTML free!

Stan, WA1LOU, SIG administrator

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---

289. [aprssig] RE: Baker to Vegas

From: "Ralph G. Sbragia, CSP" <sbragiar@artbyanne.com>
Date: Sat, 13 Apr 2002 10:05:51 -0700
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-73950-2002.04.13-12.39.45--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Good morning everyone (or whatever time it is when you read this),

First let me introduce myself, I am Ralph G. Sbragia, CSP, ham radio call sign W6CSP. I am the B2V APRS co-coordinator for the Orange County, CA, Radio Amateur Civil Emergency Service (OCRACES).

Those of you who have been around this SIG a while may recall that each year about this time a message gets posted about atypical designators that will be seen in the area to the west of Las Vegas and other parts of the country. These are tracker boxes that are being prepared and tested in support of an annual 120 mile footrace participated in by over 200 teams of twenty sworn law enforcement officers each. It is called the Baker to Vegas Challenge Cup.

Each year OCRACES supports as many as forty teams with APRS related services. One of those services is a JavaScript map of the race course which is fully interactive. This allows family, friends and fellow officers back home follow their teams progress.

As the email below discuss, our applet no longer works due to the closure of the aprs.net server. Although findu.com is a great site and provides superb service, it is inadequate for our needs. Team captains and members in Las Vegas and other areas need to be able to zoom in on the map to determine specific locations for their teams. At the same time they also desire to zoom out a little and see where other teams are. In short, our customers have come to depend upon the interactive nature of our map via the applet.

I thought I had a solution: another server site (ahubca.net) offered to let us connect for the data stream. However, when I changed the port and server information on the web page, I still got back an "error opening data source" message. I know the server works because I put it into my aprserve.txt file for WinAPRS and I can get WinAPRS to open the server and pull in data.

Currently, I am having troubles editing our OCRACES website, so I have a test page at
www.gwsafety.com/APRS/aprs-live.htm . If anyone who knows java better than I (and that should be a whole lot of people ;-)) and can look at the code and figure out what I need to do to make it work, I will be forever in your debt.

Steve Dimse - Thank you for your efforts on our behalf recently and in the past. The findu site is really great (I taught my parents how to use it with their new computer so they can know where we are.) Unfortunately, it doesn't work well for this specialized event. If we can just get an alternative data stream to work, things should be fine and dandy. Thank you again for your help.

My thanks in advance to any and all who can help me with this.

Regards & 73,

Sgt. Ralph G. Sbragia, CSP
W6CSP, County of Orange RACES

-----Original Message-----
From: bounce-aprssig-16663@lists.tapr.org
[mailto:bounce-aprssig-16663@lists.tapr.org]On Behalf Of Steve Dimse

Sent: Friday, April 12, 2002 2:10 AM
To: TAPR APRS Special Interest Group
Subject: [aprssig] Baker to Vegas

The Baker to Vegas run is coming up in just over a week. Over the past couple months I've had contacts from several different people involved asking about tracking the event on findU. I sent each a lengthy discourse on what I needed to set up a separate page, but so far I've not heard anything back. I have a feeling at 6PM next Friday I'm going to be getting some frantic emails, so I'm trying to be proactive...

I took the APRSdos map which was used on the old javAPRS page, and made a large png/geo map of it:

http://www.findu.com/cgi-bin/plot.cgi?call=*&geo=b2v.geo

This URL can be used like this to show all the surrounding activity, or with specific calls to track individual stations.

I would really like to do a special tracking page, as this event usually draws a lot of traffic to my sites. If there is anyone on the sig that knows the callsigns that will be used and which team they are associated with I'd love to get a list, or put me in contact with someone that can help.

Steve K4HG

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290. [aprssig] Re: MFJ-1278 commands

From: Bob Nielsen <nielsen@oz.net>
Date: Sat, 13 Apr 2002 10:14:54 -0700
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-73954-2002.04.13-12.48.54--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

In packet mode it uses TNC-2 commands with some extensions for the mailbox, etc. The 1278 does some other modes which a TNC-2 does not. The TNC-2 commands can be found in the TNC-2 system documentation at:

ftp://tapr.org/software_lib/tnc/tncdocs.zip

The 1278 has some jumper settings which allow it to use a TNC-2 compatible EPROM. This would permit you to use UIDIGI, which will perform much better as a digipeater than the standard firmware. Unfortunately I do not know what those jumper settings are, but hopefully you can find someone with a 1278 manual.

73,
Bob, N7XY

On Sat, Apr 13, 2002 at 06:39:50AM +0000, David Thege wrote:

> Does anyone have a list of the the commands for the MFJ-1278 TNC? A friend of mine has an older one and doesn't have any books for it. We want to use it for an APRS digipeater and need the command settings for it to do this.
> Thanks, Dave N0XBN

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291. [aprssig] RE: Baker to Vegas

From: Steve Dimse <k4hg@tapr.org>
Date: Sat, 13 Apr 2002 13:38:14 -0400
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: TAPR APRS Special Interest Group <aprssig@lists.tapr.org>
Message-ID: <LYR842-73955-2002.04.13-13.12.00--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

On 4/13/02 10:05 AM, sbragiar@artbyanne.com (Ralph G. Sbragia, CSP)
wrote:

>
>Currently, I am having troubles editing our OCRACES website, so I
have a
>test page at
>www.gwsafety.com/APRS/aprs-live.htm . If anyone who knows java
better than
>I (and that should be a whole lot of people ;-)) and can look at the
code
>and figure out what I need to do to make it work, I will be forever
in your
>debt.
>
The problem is the security manager for Java. In brief, an applet, any
files it loads (like the icon and map files in the case of javAPRS),
as well as any network connection it makes (like the live data feed)
must load from the same place. If you look at the old source you will
see the applet and map, as well as the data stream all came from
www.aprs.net. This was why I had begged people to not use www.aprs.net
once we set up first, second, and third...the javAPRS connections had
to come from that host.

There are a couple of choices here....the best, since ahubca.net has a
web server, you can try to get the map and javAPRS with all its
support files placed on their web server. The other choice is to get
everyone that will be using the applet to either run a stand-alone
applet runner or a browser which allows you to turn off the security.
IE 5 for the Mac allows this, I suspect Windows versions do as well.
The option is in the Java preference panel, under network access
select Unrestricted Access. THIS IS VERY DANGEROUS, and if you use
this option you should remember to re-enable security after the event,
and not browse any other web sites. With unrestricted access, an
applet can do all sorts of nasty things, for example send spam that
seems to come from your computer. Malicious applets exist...BE VERY
CAREFUL, you have been warned!

>Steve Dimse - Thank you for your efforts on our behalf recently and
in the
>past. The findu site is really great (I taught my parents how to use
it
>with their new computer so they can know where we are.)
Unfortunately, it
>doesn't work well for this specialized event. If we can just get an
>alternative data stream to work, things should be fine and dandy.
Thank you
>again for your help.

What exactly do you need to do in javAPRS that you cannot do findU?
There is a lot more I can program it to do than I ever could do with
javAPRS, so if there is something you want, I might be able to do it.

Steve K4HG

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292. [aprssig] Re: WinAPRS and Afilter - NWS Radar images.... Plus D700 information

From: "Phil Pacier, AD6NH" <ad6nh@arrl.net>
Date: Sat, 13 Apr 2002 12:48:32
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-73956-2002.04.13-13.22.21--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

I don't think that it is an AFilter issue, since Afilter only access the
specific ports that you have specified. Have you tried accessing the radar
images with AFilter shut down?

Phillip Pacier - AD6NH
Southwest CA Skywarn Coordinator
ahubca.net APRS IS Server
port 2023 - world
port 14579 - CA State
www.ahubca.net

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---

293. [aprssig] RE: Baker to Vegas

From: "Phil Pacier, AD6NH" <ad6nh@arrl.net>
Date: Sat, 13 Apr 2002 13:1:32
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-73959-2002.04.13-13.35.22--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Ralph, I have successfully put a javaAPRS map on my website, and I looked at your code and found what is wrong. Contact me off the sig and we can discuss options. Thanks!

Phillip Pacier - AD6NH
ahubca.net APRS IS Server
port 2023 (world)
port 14579 (local)
www.ahubca.net
ad6nh@arrl.net

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294. [aprssig] Re: Positionless (a.k.a. POINTLESS) WX Packets

From: Steve Dimse <k4hg@tapr.org>
Date: Sat, 13 Apr 2002 14:32:52 -0400
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: aprssig@tapr.org
Message-ID: <LYR842-73965-2002.04.13-14.06.41--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

On 4/12/02 8:47 PM, RMckni8527@aol.com wrote:

>Swapping my meteorologists hat for that of a network administrator,
>you yourself previously gave several good examples of how data can
>be substantially delayed.

I gave one situation where it could conceivably occur, but which would be extremely rare, obvious, and never been documented...

>I think it would be extremely difficult
>to analyze your database to extract any real evidence, since many
>stations don't include a time stamp from the originator, and if they
>do you replace them with your own. How could we tell if data were
>delayed at FindU?

The data is not delayed at findU, it processes it within milliseconds.

>Just thinking out loud here, if someone's ISP
>choked and built up let's say a six hour backlog of wx data in the
>queue, then the problem was fixed and it spit it all out at once,
>how would your system deal with that? Receiving maybe 100+ reports
>from a single source but since they would be received almost at the
>exact same time, would you have 100 data points all piled on top of
>each other, but with varying values?
>
Yes, that is what would happen, if your scenario were possible. However, the data here is a stream, not a file. The ISP would have closed the pipe long before 6 hours, a few minutes would be the normal length of time for a router to hold packets it cannot deliver. In addition the APRS client program would have dropped the connection after 15 minutes tops (usually much shorter but depends on the client) if the connection were not active. The central server as well would have noted the dead connection and closed it.

>TCP/IP isn't perfect. Yes, it works marvelously most of the time.
>But just think about this SIG, there have been times when something

>got Gumped in the server and it started generating dupe postings
>from weeks/months back. That's the kind of thing I see as a major
>problem. Sure, a big event would likely get noticed, the occasional
>wayward datagram probably not.
>
TCP notices if a packet gets waylaid, and requests the dup. That is
the whole opint of TCP. UDP packets get dropped without notice, TCP's
do not.

Of course, APRS packets get dropped all the time, and missing packets
are the norm. Take a look at the 12 hour graph for my station:

http://www.findu.com/cgi-bin/wxpage.cgi?call=K4HG&last=12

There are two obvious gaps where reports were dropped, in this case
due to the way MacAPRS detects dropped connections. Other packets get
lost due to RF collisions. All these things simply result in lost
data, not delayed data.

>Maybe I'm spoiled. For me, the timestamp is one of the first QC
>checks, allowing me to discard data that gets out of sync. Luckily
>NOAA does this for us as they ingest our data, they too discarding
>data that appears out of range or illogical. I guess I'd have a
>very hard time sending raw data with little or no way to QC it.
>Obviously some don't feel the same way. One of the nicest features
>of the NOAA software I use is the built-in QC program that alarms
>when data is interrupted or falls outside set limits. Of course
>this is way beyond the scope of the hobbyist.
>
Yes, some people don't provide quality control on their data, but the
point I maintain is that when everyone knows that no one looks at the
timestamps on packets, there is no pressure to keep your clock set. I
do watch my QC data from NOAA very closely, and yet my clock is not
set, because it just doesn't matter.

>I concede that your method does smooth some badly formatted data
>(those with grossly innaccurate clocks). But it won't make the
>meteorologists happy, and won't provide any clues when data IS
>received after a long delay.

NOAA seems very happy with the APRS data. I'll grant you that if the
data was ever delayed that would be a BAD THING, but the way the
system is set up it simply does not occur.

>I can provide a personal experience. I came home one day from work
>and discovered the TX light on my TNC was on, and the transmitter
>was keyed up, and was as hot as a habenero pepper! It must have
>been stuck in TX for hours, even though I swear that there's
>supposed to be a time out loop in the TNC to prevent this. No way
>to determine exactly when it locked or for how long. Luckily it
>wasn't when I was away from home for a longer period. Certainly the
>rig would have melted down eventually. I know it likely gridlocked
>the frequency for most of Puget Sound. I probably won't leave any
>of my gear unattended for very long ever again. And sending APRS wx
>for only a few hours a day is not very beneficial.
>
What is the point here? That APRS data is subject to jamming? Of
course, but no data appeared with incorrect timestamps because of your
hardware failure.

Steve K4HG

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---

295. [aprssig] MFJ 1270C; Eliciting Reverse Forwards

From: wa4tkg@attbi.com
Date: Sat, 13 Apr 2002 19:14:23 +0000
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-73969-2002.04.13-14.48.12--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Anyone out there that has set this up ?

I have read, and REread the manual, and it's wording is
just NOT computing in MY brain.

Somebody out there that knows how to make this work?

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296. [aprssig] Re: MFJ-1278 commands

From: WA8LMF2@aol.com
Date: Sat, 13 Apr 2002 16:04:34 EDT
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: dthege@ncfcomm.com
Message-ID: <LYR842-73981-2002.04.13-15.38.27--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

In a message dated 4/13/02 4:42:36 AM Pacific Daylight Time, dthege@ncfcomm.com writes:

> Does anyone have a list of the the commands for the MFJ-1278 TNC? A friend
> of mine has an older one and doesn't have any books for it. We want to use
> it for an APRS digipeater and need the command settings for it to do this.
> Thanks, Dave N0XBN
>

A standard TNC2 doesn't make a very good APRS digi because it doesn't understand APRS-style WIDEN-n digipeating, dupe suppression, etc.

Remove it's ROM and substitute a UI-Digi firmware EPROM. It will make a far better APRS digi and no fussing with settings is required at all (after you burn the customized EPROM). This firmware, developed by Marco Savegnago IW3FQG,
converts any TNC2-type device into a dedicated APRS-specific digipeater with your callsign, paths, beacon messages, etc actually frozen into the eprom so they can't be lost from accidental resets, power failures, etc.

For the details, see:
http://gw.ir3ip.ampr.org/~iw3fqg/uidigi.htm (Scroll down past the Italian part for the same text in English)

This code requires a 27256 eprom. I have been using (twice as large) 27512s so that I can keep the TNC's original firmware and UI-Digi in the same ROM.

You edit a parameters file (a basic text file) to specify your personalized settings which are then overlaid on the base ROM code when the EPROM is programmed.

As I have mentioned on this list before, I am willing to program proms for anyone interested, if they email me an edited overlay code file and snail-mail me a 27C256 or 27C512 EPROM.

Stephen H. Smith wa8lmf @ aol.com
Home Page:
http://members.aol.com/wa8lmf
Ham Radio/Mobile SSTV page: http://members.aol.com/wa8lmf/ham
APRS Stuff
http://members.aol.com/wa8lmf/aprs

```
------------------------------------------------------------------------------

----------
|    Radio Communications Systems       Personal Computers
|                Consulting and Systems Integration
|    GPS Custom Mapping    &     Radio Coverage Surveys
|    File Conversions       MS-Windows Setups       VISCII Fonts
------------------------------------------------------------------------------

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297. [aprssig] USWXRADAR and WinAPRS

From: Jim Duncan <ku0g@kcaprs.org>
Date: Sat, 13 Apr 2002 15:09:03 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-73982-2002.04.13-15.44.38--lyris.aprssig#tapr.org@lists.tapr.org>

Rendered body type: text/plain

```
I just downloaded and installed KB2SCS's software....  How do you make
this function with WinAPRS?  Will it automatically refresh the radar map
image in WinAPRS???
--
73 de Jim, KU0G
Chairman/Coordinator
Kansas City APRS Working Group, W0APR
First Alert Storm Team KMBC-TV9
Mailto:ku0g@kcaprs.org
Webpage: http://www.kcaprs.org

---
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Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org
```

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298. [aprssig] Re: Setting up Digi's

From: "Kriss Alan Kliegle" <kliegle@nh.ultranet.com>
Date: Sat, 13 Apr 2002 15:30:2
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-73983-2002.04.13-16.03.52--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

```
Go SOLAR! See elsewhere on this SIG. The cost of running PWR and the
minimum needed to pay just to have it outways the costs of solar.

You need...
One modern HT that doesn't consume much power in RX.
One small solar panel about 1 to 2 amps.
One solar charger regulator.
One Gell Cell 17 aHr minimum.
One enclosure (WX Proof)
One high gain antenna.

73 de Kriss
KA1GJU

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```

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299. [aprssig] Re: Solar power information

From: "Kriss Alan Kliegle" <kliegle@nh.ultranet.com>
Date: Sat, 13 Apr 2002 15:37:27
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-73984-2002.04.13-16.11.17--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

```
Here's some of my favorite sites...
http://www.solar-electric.com/index.html
http://www.solarelectricinc.com/

Plus the Homepower.com site!
Check out the "micro ads" in the back for used solar panels.
Although the guarentee is for 15 to 20 years, the loss in power
production is in the few %. Check out the specs page on solar mfgs
web pages.
73 de Kriss KA1GJU


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```

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300. [aprssig] Re: GPS location settings

From: k5qq@juno.com
Date: Sat, 13 Apr 2002 15:27:27 -0600
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: aprssig@lists.tapr.org
Message-ID: <LYR842-73987-2002.04.13-17.03.10--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

```
On Sat, 13 Apr 2002 15:51:10 +0000 k9soa@att.net writes:
> Does it make any difference on what format is displayed
> on the GPS to what is sent out the port to the TNC or
```

> does the NEMA setting ignore the display format?
>
> The eMap has HDDD.MM.SS.S, HDDD.MM.MMM, or HDDD.DDDD
>

I don't have an e-map so I can't prove what I am going to say, but
this is what I find on my Garmin III+;

Changing the display format does not change the NEMA output stream.

HOWEVER, changing the datum you are using will change the NEMA output
stream.

You can see it for yourself if you have the data cable.   Run any mapping
program that lets you have NEMA input (Not GARMIN mode) and note your
position. To make it easy on yourself, run the GPS in the simulator
mode. Then go into the setup and change the diplay format and your
position on the mapping software will not change. But if you change the
datum you tell the GPS you are using to plot the information, your
position on the mapping software will change.

Jim

____
GET INTERNET ACCESS FROM JUNO!
Juno offers FREE or PREMIUM Internet access for less!
Join Juno today! For your FREE software, visit:
http://dl.www.juno.com/get/web/.

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301. [aprssig] Re: GPS location settings

From: Gerry Creager N5JXS <gerry@cs.tamu.edu>
Date: Sat, 13 Apr 2002 16:32:24 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: TAPR APRS Special Interest Group <aprssig@lists.tapr.org>
Message-ID: <LYR842-73989-2002.04.13-17.06.21--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Unless they do it wrong, NMEA is normally DDMM.MMM or DDMM.MMMM
depending on several arcane internal decisions, often associated with
the presence or absence of differential (and now WAAS) correction.

73, gerry
--
k9soa@att.net wrote:

> Does it make any difference on what format is displayed
> on the GPS to what is sent out the port to the TNC or
> does the NEMA setting ignore the display format?
>
> The eMap has HDDD.MM.SS.S, HDDD.MM.MMM, or HDDD.DDDD
>
> --
> Don
>
> www.k9soa.net (EM77EW)
>
> Home of "JEANNIE"
> The House That Listens
> Using HAL2000 by Home Automated
> Living
> Seen on HGTV's Dream Builder show
>
> Featured Home of the Month
> Home Automation Magazine March 2002
>
> ---
> You are currently subscribed to aprssig as: gerry@cs.tamu.edu
> To unsubscribe send a blank email to leave-aprssig-842K@lists.tapr.org
> Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org
>

--
--

Gerry Creager -- gerry@cs.tamu.edu
Network Engineering
Academy for Advanced Telecommunications and Learning Technologies
Texas A&M University   979.458.4020 (Phone) -- 979.847.8578 (Fax)

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Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

---

302. [aprssig] Re: MFJ-1278 commands

From: Ralph Fowler <rwf@mindspring.com>
Date: Sat, 13 Apr 2002 18:17:08 -0400
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-73997-2002.04.13-17.52.41--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

A 1278 is not a TNC-2. Far from it!
There are no options other than using it as is or placing it in KISS mode
and using it with an external program.

At 04:04 PM 4/13/02 -0400, you wrote:
Begin Quoted Text

>Remove it's ROM and substitute a UI-Digi firmware EPROM. It will make a far
>better APRS digi and no fussing with settings is required at all (after you
>burn the customized EPROM). This firmware, developed by Marco Savegnago
>IW3FQG,
> converts any TNC2-type device into a dedicated APRS-specific digipeater
> with
>your callsign, paths, beacon messages, etc actually frozen into the eprom so
>they can't be lost from accidental resets, power failures, etc.

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Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

---

303. [aprssig] Re: GPS location settings

From: k9soa@att.net
Date: Sat, 13 Apr 2002 22:23:44 +0000
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-74000-2002.04.13-17.57.31--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

That is what I had figured was happening. I leave it at
Datum 84 since it seems to be the latest standard for
the US.
--
Don

www.k9soa.net (EM77EW)

Home of "JEANNIE"
The House That Listens
Using HAL2000 by Home Automated
Living
Seen on HGTV's Dream Builder show

Featured Home of the Month
Home Automation Magazine March 2002
>
> On Sat, 13 Apr 2002 15:51:10 +0000 k9soa@att.net writes:
> > Does it make any difference on what format is displayed
> > on the GPS to what is sent out the port to the TNC or
> > does the NEMA setting ignore the display format?
> >
> > The eMap has HDDD.MM.SS.S, HDDD.MM.MMM, or HDDD.DDDD
> >
>
> I don't have an e-map so I can't prove what I am going to say, but
> this is what I find on my Garmin III+;
>
> Changing the display format does not change the NEMA output stream.

```
>
> HOWEVER, changing the datum you are using will change the NEMA output
> stream.
>
> You can see it for yourself if you have the data cable.   Run any mapping
> program that lets you have NEMA input ( Not GARMIN mode) and note your
> position.  To make it easy on yourself, run the GPS in the simulator
> mode.  Then go into the setup and change the diplay format and your
> position on the mapping software will not change.  But if you change the
> datum you tell the GPS you are using to plot the information, your
> position on the mapping software will change.
>
> Jim
>
> ________________________________________________________________
> GET INTERNET ACCESS FROM JUNO!
> Juno offers FREE or PREMIUM Internet access for less!
> Join Juno today!  For your FREE software, visit:
> http://dl.www.juno.com/get/web/.

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```

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304. [aprssig] APRStt Universal Email scheme

From: Bob Bruninga <bruninga@usna.edu>
Date: Sat, 13 Apr 2002 19:16:07 -0400 (EDT)
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: TAPR APRS SIG <aprssig@lists.tapr.org>
Message-ID: <LYR842-74004-2002.04.13-18.49.55--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

```
APRS EMAIL additional ideas:  (Keith, note details)...

One of the objectives of the APRStt Touch Tone program running at
every repeater was to allow the entry of APRS Email from any HT
via TouchTones.  The key strokes would be the same on a dumb HT
as they are on the Kenwood!

But further, it would greatly simplify the constructs to minimize
keystrokes.  It would do this by holding a 10 cell memory for each
user to pre-enter frequently used Email addresses.  Then the user
only needs to enter a single digit for each email address.

Here is what we have at present:

   To: EMAIL   MSG:Email@Address message...

Here is what I want to add as the following additional formats

   To: E       MSG:Email@Address message...    <== same as before
   To: E0      MSG:message to your own email address
   To: E1      MSG:message to the 1ST person in your personal list
   To: E2      MSG:message to the 2nd person in your personal list
   To: E9      MSG:Message to the 9th person in your personal list
   To: E?      MSG:Send a dump of the 10 memories to the addr in E0

Now, what this means is that each person has a 10 cell memory in the
local APRStt.  And each user can edit and maintain his list of Email
addresses himself on line or over the air as follows:

   To: E0 ADD  MSG:My_Email_Address
   To: E1 ADD  MSG:New_Email_Address in location "1"
   To: E2 ADD  MSG:New_Email_Address in location "2" etc

For security, once you enter your own EMAIL address in E0, then any
time from then on that there are ANY changes to any of your 9 EMAIL
memories, the EMAIL Engine sends a confirmation EMAIL to that E0
EMAIL address.  In addition, once a month, the EMAIL engine sends
you a complete list.  You cannot change the E0 Email address over
the air!

This not only makes it triival to send EMAILs to long EMAIL addresses
for users of TouchTone only keypads (APRStt), but also even the kenwood
users will benefit by the tremendous reduction in keystrokes required.

Now.... drumroll....@ # @ #...     HERE IS THE BRAINSTORM!
```

I came up with this concept for APRStt, but then realized that every copy of APRStt on every repeater would have to have its own EMAIL memories, and this would be a royal pain. But with Keith's WU2Z Email server serving the entire planet, then if it held everyone's 10 EMAIL memeores, then the end user with his HT and TTone pad could send email from anywhere on the planet using the same shortcuts!

There would only be one central server and only one central list of emails. Thus, I would not have to implemente ANYTHING in APRStt, since all it has to do is just do the straight forward TouchTone to APRS message conversion and send it on APRS. Then Keith's WU2Z engine would see these abbreviations as above, and take action from there!

Wow...

So the only modifications to the existing WU2Z Engine would be these:
1) Reserve memory for 10 memrories for every APRS user
2) Recognize the single letter "E" as equivalent to the existing EMAIL
3) Recognize the TO ADDRESS format of "E# ADD" as a directive to take the first word of the message (just like now) as the Email address but place it in memory location #.
4) Accept no entries until E0 has been entered. Then send a confirmation EMAIL to that location including a PASSWORD for the user. This password is necessary for any future changes to E0.
5) Accept all other E# ADD entries into memory locations #.
6) On receipt of an "E?", or after a timeout of say 5 minutes, then dump the complete list of the 10 memories to the EMAIL address in E0.
7) On receipt of "E#" then send the message as email to the address In memory location #.

That is all there is to it.

Now if the user wants to ever change E0, then he has to send a real internet Email to the WU2Z Email engine with the matching password. Only if it matches will the WU2Z engine allow a change to E0.

We could also add:

To:WB4APR-E   MSG:message goes here

This is a NORMAL RF or Internet LIVE packet message to WB4APR because all APRS client software is supposed to capture any message to any SSID of the root call. BUT it is also an instruction to the WU2Z EMAIL engine to also capture it and send a backup copy as an EMAIL to the E0 EMAIL address that is currently on file for WB4APR!

Thus he gets it live if he is on the air, or by Email later and the ORIGINATOR does not have to know the EMAIL address! Thus the worldwide WU2Z EMAIL engine can send EMAIL to ANY ham radio operator from any other HAM radio operator and all they have to know is your call!

And it is simple so that ANYONE can remember it. AND, once I get APRStt working, then this is not limited to APRS Kenwoods either, anyone with any TouchTone HT can do the same thing!!!

de WB4APR, Bob

de WB4APR@amsat.org, Bob

PCsat WEB page	http://www.ew.usna.edu/~bruninga/pcsat.html
ISS-APRS FAQ:	http://www.ew.usna.edu/~bruninga/iss-faq.html
CUBESAT Designs	http://www.ew.usna.edu/~bruninga/cubesat.html
APRS LIVE pages	http://www.ew.usna.edu/~bruninga/aprs.html
APRS SATELLITES	http://www.ew.usna.edu/~bruninga/astars.html
MIM/Mic-E/Mic-Lite	http://www.toad.net/~wclement/bruninga/mic-lite.html

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Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

---

305. [aprssig] Re: MFJ-1278 commands

From: "Tim Cunningham" <tim_cunningham@mindspring.com>
Date: Sat, 13 Apr 2002 21:03:30 -0500

To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-74012-2002.04.13-21.41.42--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

While it may not be a TNC-2, it can be altered to work "like" a TNC2.
In the MFJ manual, they have documented a header plug for replacing
IC's U27 and U28 with some hardwiring for the baud rate and
radio port electronic switches in the unit.

This will allow the 1278 to operate most TNC-2 like firmware such as
NetRom and UIDIGI.

The header for U27 connects pins 2, 5, 15, and 20 together. Also
pins 9, 10, 12, 16, and 19 are connected together.

The header for U28 connects pins 2, 5, 6, 10,12, 15, and 19
together. Also pins 9, 16, and 20 are connected together.

These alterations hard set the unit for 4800 baud on the serial port,
1200 baud on the radio port using the VHF tones on radio port 1.

If you have an old 1278 or 1278T collecting dust, you can put it
into service as a UIDIGI.

73's,

Tim - N8DEU
Huntsville, Alabama

----- Original Message -----
From: "Ralph Fowler" <rwf@mindspring.com>
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Sent: Saturday, April 13, 2002 5:17 PM
Subject: [aprssig] Re: MFJ-1278 commands

> A 1278 is not a TNC-2. Far from it!
> There are no options other than using it as is or placing it in KISS mode
> and using it with an external program.
>
>
>
> At 04:04 PM 4/13/02 -0400, you wrote:
> Begin Quoted Text
>
> >Remove it's ROM and substitute a UI-Digi firmware EPROM. It will make a far
> >better APRS digi and no fussing with settings is required at all (after you
> >burn the customized EPROM). This firmware, developed by Marco Savegnago
> >IW3FQG,
> > converts any TNC2-type device into a dedicated APRS-specific digipeater
> > with
> >your callsign, paths, beacon messages, etc actually frozen into the eprom so
> >they can't be lost from accidental resets, power failures, etc.
>
>
>
> ---
> You are currently subscribed to aprssig as: tim_cunningham@mindspring.com
> To unsubscribe send a blank email to leave-aprssig-842K@lists.tapr.org
> Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org
>

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Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

306. [aprssig] Weather files for WinAPRS

From: Earl Needham <needhame@yucca.net>
Date: Sat, 13 Apr 2002 20:40:50 -0600

To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-74022-2002.04.13-22.14.50--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

```
I'm afraid I'm just a bit confused over some weather information.

        I have county files (under winaprs/counties) for AR, AZ, CA, CO, KS, LA,
MO, MS, MT, NE, NM, NV, OK, TN, TX, UT, & WY.

        I also have the NWS Shape files installed.

        Yet, the following does not show on my map:

LUBSVR  NWS-WARN        DKVAA   26      04/13 14:31     132115z,SVRTSM,TX_C437,  SWISHER COUNTY
LUBSVS  NWS-ADVIS       DKsAA   10      04/13 14:56     132115z,SEVERE_WEATHER,TX_Z023,


        Am I missing something really basic here?

        Thanks,
        Earl


Earl Needham, KD5XB, Clovis, New Mexico
KD5XB-2>APW251,PCSAT-1*:=3425.83N/10313.55W-PHG7150/WinAPRS 2.5.1
-EARL_CLOVIS -251-<630>
Did you get a letter from Nigeria offering a "deal"?  See
http://home.rica.net/alphae/419coal/ and
http://www.crimes-of-persuasion.com/Crimes/Business/nigerian.htm


---
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Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org
```

307. [aprssig] RE: Weather files for WinAPRS

From: Earl Needham <needhame@yucca.net>
Date: Sat, 13 Apr 2002 21:11:05 -0600
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-74024-2002.04.13-22.45.14--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

```
At 10:48 PM 4/13/2002 -0400, Mark A.Foley wrote:
>What folder do you have the shape files in?  Need to be in NWSshape
>folder...
>Mark, NA4V

         That's where they WERE.  I figured I could download them all over
again and see if maybe I missed some.

         Thanks,
         Earl


Earl Needham, KD5XB, Clovis, New Mexico
KD5XB-2>APW251,PCSAT-1*:=3425.83N/10313.55W-PHG7150/WinAPRS 2.5.1
-EARL_CLOVIS -251-<630>
Did you get a letter from Nigeria offering a "deal"?  See
http://home.rica.net/alphae/419coal/ and
http://www.crimes-of-persuasion.com/Crimes/Business/nigerian.htm


---
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Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org
```

308. [aprssig] Re: GPS location settings

From: k5qq@juno.com
Date: Sat, 13 Apr 2002 21:40:45 -0600
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: aprssig@lists.tapr.org
Message-ID: <LYR842-74025-2002.04.13-23.20.21--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

```
Gerry

I think you missed the point.  Your statement is correct but
```

Don asked if the DISPLAY setting as seen on the GPS screen
would affect the NEMA data output. Different question

Jim

On Sat, 13 Apr 2002 16:32:24 -0500 Gerry Creager N5JXS
<gerry@cs.tamu.edu> writes:
> Unless they do it wrong, NMEA is normally DDMM.MMM or DDMM.MMMM
> depending on several arcane internal decisions, often associated
> with the presence or absence of differential (and now WAAS) correction.
>
> 73, gerry
> --
> k9soa@att.net wrote:
>
> > Does it make any difference on what format is displayed
> > on the GPS to what is sent out the port to the TNC or
> > does the NEMA setting ignore the display format?
> >
> > The eMap has HDDD.MM.SS.S, HDDD.MM.MMM, or HDDD.DDDD
> >
> > --
> > Don

____
GET INTERNET ACCESS FROM JUNO!
Juno offers FREE or PREMIUM Internet access for less!
Join Juno today! For your FREE software, visit:
http://dl.www.juno.com/get/web/.

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309. [aprssig] KPC 9612 config file

From: "Michael J. Wolthuis" <wolthui3@msu.edu>
Date: Sat, 13 Apr 2002 23:53:49 -0400
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-74026-2002.04.13-23.29.14--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Does anyone have a KPC 9612 config file or website available I can look at
for setup of one. This is for a standalone digi that has latest fimware and
will handle WIDEn-n and RELAY

Thanks for your help,
Mike Wolthuis
kb8zgl

P.S. I could figure it out on my 9612, but I can't find it right now (hihi)

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Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

310. [aprssig] HTML help needed

From: Steve Dimse <k4hg@tapr.org>
Date: Sun, 14 Apr 2002 02:04:12 -0400
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-74049-2002.04.14-01.38.05--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

If there is anyone out there that is an expert on HTML I could use
some help. I'm working a new cgi that draws APRSdos maps:

http://www.findu.com/cgi-bin/dosmap.cgi?map=CABAK_LV.mp&scale=1.8&
offsetx=400&offsety=80&width=900&height=600

I want to have this working for the B2V event next weekend, and I'm
hoping to save time by getting someone else to wrap the HTML interface
around this cgi. I've never done anything with click-mapping, so it
would take me a bit to get this going.

What I'd like are radio buttons that select between center and zoom,
clicking on the image centers that map on that location and, if the

zoom button is selected, zooms the map as well. A set of radio buttons
to select a zoom level would also be nice.

If anyone is interested in doing this let me know ASAP...

Steve K4HG

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---

311. [aprssig] HF Freq's

From: "Alan Leech" <alanwl@infogen.net.nz>
Date: Sun, 14 Apr 2002 20:14:41 +1200
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-74054-2002.04.14-03.49.51--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Hi all,

I'm trying to find some HF APRS frequencies, so I can port them to a
local 2mtr freq'.

Would some kind person tell me where to look?

Cheers,
       Alan. (ZL2VAL)

```
                                Whacky Signs
                                ~~~~~~~~~~~~
 In a Rome laundry: Ladies, leave your clothes here and spend the afternoon
 having a good time.

 In a Czechoslovakian tourist agency: Take one of our horse-driven city
 tours -- we guarantee no miscarriages.
```

-- Arachne V1.70;rev.3, for DOS & Linux, NON-COMMERCIAL copy:
 http://arachne.cz/

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Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

---

312. [aprssig] Re: Weather files for WinAPRS

From: dale huguley <kg5qd@earthlink.net>
Date: Sun, 14 Apr 2002 05:01:57 -0400
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: TAPR APRS Special Interest Group <aprssig@lists.tapr.org>
Message-ID: <LYR842-74055-2002.04.14-04.36.17--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Earl Needham wrote:

```
>
>     I'm afraid I'm just a bit confused over some weather information.
>
>     I have county files (under winaprs/counties) for AR, AZ, CA, CO, KS,
> LA, MO, MS, MT, NE, NM, NV, OK, TN, TX, UT, & WY.
>
>     I also have the NWS Shape files installed.
>
>     Yet, the following does not show on my map:
>
> LUBSVR    NWS-WARN    DKVAA    26    04/13 14:31
> 132115z,SVRTSM,TX_C437,  SWISHER COUNTY
> LUBSVS    NWS-ADVIS    DKsAA    10    04/13 14:56
> 132115z,SEVERE_WEATHER,TX_Z023,
>
>
>     Am I missing something really basic here?
```

County/Zone Files with numbers are obsolete- they have not been updated
in 2 years. you should have 9 files in your /winaprs/nwsshape folder.

```
c_22mr02.dbf  c_22mr02.shx  c_22mr02.shp
z_16mr02.dbf  z_16mr02.shx  z_16mr02.shp
mz21fe02.dbf  mz21fe02.shx  mz21fe02.shp
```

Your computer time, and time-offset in winaprs must be set properly.

73 de kg5qd Dale

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313. [aprssig] Stolen Vehicle-RECOVERED using APRS

From: Dave Kaplan <dkaplan@steffeninc.com>
Date: Sun, 14 Apr 2002 09:21:18 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-74067-2002.04.14-09.55.26--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Here is the update I promised. On Monday, April 8th, I returned to the Sioux City airport after being gone for 4 days. I fly a Turbine Commander that is based at a local Fixed Based Operator (FBO). The usual procedure is for me to drive the Suburban to the airplane to load it, give the keys to the FBO employees who drive it away from the aircraft, wash it and park it outside the secure area until I return. When I do return, I radio the FBO when I'm about 30 minutes out. They will bring the car inside the secure area and have it pre-heated or pre-cooled as the season demands. Usually they pull it up right beside the aircraft while I am shutting down.

This procedure was followed, to a point. As I left on April 5th I watched the FBO staff washing the Suburban as I taxied out. When I arrived back on the 8th I was surprised that the car was not brought out to meet me. I was further surprised when they told me they had no idea where the car was and that the keys were missing from where they stored them.

After arranging alternate transportation for my passenger the FBO staff and I search the airport just in case their staff had "borrowed" the Suburban to run and errand. Meanwhile the FBO called all the off duty staff to see if they had any knowledge of the missing Suburban. One employee report at, at about 0100 hours that morning he had heard a vehicle with a loud muffler in the FBO parking lot. As he walked out he saw two vehicles driving away. Once of them could have been my Suburban but one was definitely a van with a loud muffler. All other calls as well as the search were futile and the Sioux City Police were called.

Let me give you a few details about my vehicle. The Suburban was less than 4 months old. It had less than 5,000 miles on it. It was equipped with siren and 6 concealed strobe lights in the grill. It had not only my D700, but also a Tait2020 radio that was programmed with Marine (for US Coast Guard Aux. support), Civil Air Patrol and local law enforcement frequencies. My FEMA-USAR (Urban Search and Rescue) gear worth over $2,500 dollars, US Coast Guard Aux. Mustang survival suit and fire-fighting gear were all in the back as well as tool kits, and other miscellaneous supplies. When I put a pen to it the total came to over $6,000 plus $1,000 for the two radios.

After filing my report with the police, and arranging alternate transportation, I started for home. I was upset and mad. I stopped at a friends business to commiserate with him. Doug (KA0VHV) asked me if I had tried looking at FINDU to see if the tracker had been activated. I was dumbfounded. I hadn't even thought of it. We checked FUNDU you and, sure enough, there was one position report 13 hours old just South of the airport. We printed a copy of the map and called the Sioux City Police to report what we had found. The same officer who took the original report was there in minutes to look at the report. Since the position was outside the city limits she requested a deputy to respond to that location.

Doug and I then drove to the location to see what we could see. It was a gravel road that was right next to a boat ramp that accessed the Missouri River. Since the FINDU report had shown the vehicle was stationary when the report was sent we figured the vehicle was being stripped. We looked for discarded items in the ditch and farmers fields along but found nothing.

Realizing that it was past dinnertime I called my wife to tell her why I was late (she already knew about the theft). I told her where we were and why we were there. Two minutes later I received an excited phone call from her. She had been speaking with her brother (a deputy sheriff) and told him where we were. He got very excited and told her he had heard a license plate being run by a Conservation officer the prior night at approximately the same time but at the exactly the same place the FINDU report put my vehicle. Better than that, the 10-28 report came back to a known criminal that had just been released on parole and his vehicle had been involved in an accident resulting in a damaged muffler.

Since the vehicle report was only 100 yards from the river our first thought was it had been dumped in the river. The next day the Coast Guard Aux. started a search just off the boat ramp. The search was unsuccessful and plans to return with a sonar unit the next day were made.

Those plans were cancelled when a report that my Suburban had been used in a burglary 30 miles away was received. A witness to the burglary gave a description that matched the description of the van owner.

The search was on. It was now Wednesday. My brother-in-law (the deputy) spent his day searching the known hiding spots in the county as well as looking for the suspect. At 1400 hours his shift was over. At 1405 hours another deputy spotted the suspects vehicle with three occupants washing it. Suddenly there were three deputies and 5 city officers performing a "felony stop" on the suspects. I hear it was a thing a beauty.

The funny part
. it was only four blocks away from my brother-in-laws house
and he had spent the day searching 100's of square miles for these guys.

So, three meth-head dirtbags in jail. There are more suspects (how did the keys get from the FBO to the meth-head?) Items removed from my Suburban as well as items from other burglaries were found in the suspect's van. And, after a few hours of friendly questioning, my Suburban was located. All three were charged with possession of meth and theft in the first degree. Other charges are pending. The one on parole will have to go back to finish the nine years left on his prior sentence as well as whatever he is convicted of for this all these crimes.

The Suburban is in terrible condition. All radios have been removed. Light and siren controllers damaged beyond repair. Much of my gear is missing. The vehicle is bent and, in my opinion, broken. There is barbed wire wrapped around the drive shaft, corn stalks sticking through places I didn't corn stalks would fit. It has been nose-dived and I'm sure the front is pushed up. The side panels are dented and the paint is scratched off down to bare metal. Tomorrow the "discussion" with the insurance company begins.

I've asked for a drug sniffing dog to go through my stuff before I even remove it in case there is drug reside of the vehicle was used to transport drugs. I don't need that when I'm trying to get on an Air Force base and past their drug sniffing dogs.

So, while APRS did not pinpoint he exact location of my Suburban, it did establish the first link of a long and complicated chain. Without that link there would not have been a suspect. And without the suspect the police would not have know whom to look for.

The case was solved with plain good old fashion police work. APRS just got the ball rolling. My thanks go out to everyone who assisted. People even called me to suggest that I use FINDU not realizing that is what got the ball rolling in the first place. Everyone's heart was in the right place and I thank you all for that.

Dave
WB0WNX-3 again someday!

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---

314. [aprssig] REF: Stolen Vehicle-RECOVERED; Thanks APRS

From: wa4tkg@attbi.com
Date: Sun, 14 Apr 2002 14:44:30 +0000
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: aprssig@lists.tapr.org
Message-ID: <LYR842-74074-2002.04.14-10.18.22--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

" Wooped 'em AGAIN Jo'se.
" Wooped 'em again boy ".
See; I wasn't too far off, a bunch of
guys DID show up with high power rifles.

```
Heh, heh, heh.
" Gun Control MEANS: Hitting Your TARGET "
People even
> called me to suggest that I use FINDU not realizing that is what got the
> ball rolling in the first place. Everyone's heart was in the right place
> and I thank you all for that.
>
> Dave
> WB0WNX-3 again someday!

---
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Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org
```

---

315. [aprssig] ADMIN: replying to this SIG

From: Stan Horzepa <stanzepa@earthlink.net>
Date: Sun, 14 Apr 2002 10:44:48 -0400
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-74076-2002.04.14-10.19.51--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

```
When you reply to a message on this SIG, the SIG software is set up so that
you end up replying to the person that posted the message. Your reply will
not be posted to the SIG unless you Reply-To-All or you add the SIG email
address in the TO: field of your message.

Is this the way you like it? Many other SIGs including two others I
administer are set up to reply to the SIG rather than to the person who
posted the message. Would you prefer this option?

Let me know if you would prefer to reply to the SIG or reply to the person
who posted the message. The majority rules!

73,

Stan, WA1LOU, SIG administrator


---
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To unsubscribe send a blank email to leave-aprssig-842K@lists.tapr.org
Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org
```

---

316. [aprssig] Re: ADMIN: replying to this SIG

From: "Ronald Reams" <wa4mjf@worldnet.att.net>
Date: Sun, 14 Apr 2002 11:39:56 -0400
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-74084-2002.04.14-11.13.04--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

```
I think it whould reply to the SIG.

Thepurpose of a SIG is to share the interests among all!


73 de Ronnie


----- Original Message -----
From: "Stan Horzepa" <stanzepa@earthlink.net>
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Sent: Sunday, April 14, 2002 10:44
Subject: [aprssig] ADMIN: replying to this SIG


When you reply to a message on this SIG, the SIG software is set up so that
you end up replying to the person that posted the message. Your reply will
not be posted to the SIG unless you Reply-To-All or you add the SIG email
address in the TO: field of your message.

Is this the way you like it? Many other SIGs including two others I
administer are set up to reply to the SIG rather than to the person who
posted the message. Would you prefer this option?

Let me know if you would prefer to reply to the SIG or reply to the person
who posted the message. The majority rules!

73,
```

Stan, WA1LOU, SIG administrator

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To unsubscribe send a blank email to leave-aprssig-842K@lists.tapr.org
Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

317. [aprssig] Reply settings

From: John Kraus <jfkraus3@cox.net>
Date: Sun, 14 Apr 2002 12:25:11 -0400
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-74094-2002.04.14-11.58.54--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Stan and the SIG,

My vote goes for reply to go to the author and reply all to got to the sig. I have seen many flame wars started by "inadvertent" posts that were "intended to be private". Each post should require a deliberate action that precludes the excuse: "OOPs I meant for that to be private."

To reply to an individual would require a cut and paste operation that in the past few seemed to be willing to do. This has led to many problems and I think was one of the reasons the software was setup the way it is now..

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To unsubscribe send a blank email to leave-aprssig-842K@lists.tapr.org
Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

318. [aprssig] Reply

From: "w8krr" <w8krr@msn.com>
Date: Sun, 14 Apr 2002 12:24:01 -0400
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-74096-2002.04.14-12.18.15--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

I agree - reply to sender only, reply all to sig. The sender thus has a choice.
Mike

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Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

319. [aprssig] RE: Reply settings

From: "AE5PL Lists" <HamLists@ametx.com>
Date: Sun, 14 Apr 2002 11:49:30 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-74097-2002.04.14-12.23.24--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Unfortunately, the current method also causes the inadvertent reply to private emails going to the sig because many people, myself included, use a different email address for mail lists. When someone replies to my list address instead of copying and pasting the email address in my signature, they risk me inadvertently replying to them via the sig because I did not recognize that their email was direct and not from the list.

So, the question is: Is the list primarily a discussion group or is it a method for direct contact. I vote for it being a discussion group and having standard replies go to the sig. If someone doesn't want to take the time to put an address in the To field of a private response, then IMHO they didn't intend to reply privately anyway.

73,

Pete Loveall AE5PL
http://www.ae5pl.net
mailto:pete@ae5pl.net

```
> -----Original Message-----
> From: John Kraus [mailto:jfkraus3@cox.net]
> Posted At: Sunday, April 14, 2002 11:27 AM
> Subject: [aprssig] Reply settings
>
> Stan and the SIG,
>
> My vote goes for reply to go to the author and reply all to
> got to the sig.
>  I have seen many flame wars started by "inadvertent" posts that were
> "intended to be private".  Each post should require a
> deliberate action
> that precludes the excuse: "OOPs I meant for that to be private."
>
> To reply to an individual would require a cut and paste
> operation that in
> the past few seemed to be willing to do.  This has led to
> many problems and
> I think was one of the reasons the software was setup the way
> it is now..

---
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To unsubscribe send a blank email to leave-aprssig-842K@lists.tapr.org
Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org
```

---

320. [aprssig] RE: Reply settings

From: "Neil Lauritsen" <scout@gte.net>
Date: Sun, 14 Apr 2002 12:49:25 -0400
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-74098-2002.04.14-12.23.44--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

```
I agree with John.

Neil Lauritsen, W4NHL / NNN0TFH
Pinellas Co FL ACS Radio Officer
(727) 738-8664 (Home)



>My vote goes for reply to go to the author
>I have seen many flame wars started by "inadvertent" posts that were
>"intended to be private".  Each post should require a deliberate action
>that precludes the excuse: "OOPs I meant for that to be private."



---
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To unsubscribe send a blank email to leave-aprssig-842K@lists.tapr.org
Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org
```

---

321. [aprssig] RE: Reply

From: "AE5PL Lists" <HamLists@ametx.com>
Date: Sun, 14 Apr 2002 11:52:19 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-74099-2002.04.14-12.27.28--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

```
Unfortunately, not all email programs put the sig address in the To or
CC field using Reply All.  I am using Outlook through Exchange and Reply
All only brought up w8krr@msn.com for this response.  I had to manually
put in the sig address.

73,

Pete Loveall AE5PL
http://www.ae5pl.net
mailto:pete@ae5pl.net


> -----Original Message-----
> From: w8krr [mailto:w8krr@msn.com]
> Posted At: Sunday, April 14, 2002 11:46 AM
> Subject: [aprssig] Reply
>
>
> I agree - reply to sender only, reply all to sig.  The
```

> sender thus has a choice.
> Mike

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322. [aprssig] APRS Plus

From: "WalterH" <walterh@k5wh.net>
Date: Sun, 14 Apr 2002 12:31:05 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-74101-2002.04.14-13.05.45--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Is anyone besides me getting the error message about "Error: improper settings" when trying to display a map location ?

I had not seen this before upgrading to the 2.11 version. Downgrading back to 2.10 did not resolve it either.

Thanks,
Walter/K5WH

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Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

323. [aprssig] RE: Reply

From: "Glen Tubbesing" <n7got@earthlink.net>
Date: Sun, 14 Apr 2002 10:34:21 -0700
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: <pete@ae5pl.net>
Message-ID: <LYR842-74102-2002.04.14-13.08.53--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Stan,

I'm in favor of Reply to the list, Reply All to the individual.

FWIW, I'm using Outlook from Office XP and Reply All brought up Pete's list address plus the group. Pete, is there some setting in your copy of Outlook that you may have changed? I'm racking my brain, but I can't think of it.

73,
Glen Tubbesing
N7GOT
Las Vegas, NV

-----Original Message-----
From: bounce-aprssig-28446@lists.tapr.org
[mailto:bounce-aprssig-28446@lists.tapr.org] On Behalf Of AE5PL Lists
Sent: Sunday, April 14, 2002 09:52 AM
To: TAPR APRS Special Interest Group
Subject: [aprssig] RE: Reply

Unfortunately, not all email programs put the sig address in the To or CC field using Reply All. I am using Outlook through Exchange and Reply All only brought up w8krr@msn.com for this response. I had to manually put in the sig address.

73,

Pete Loveall AE5PL
http://www.ae5pl.net
mailto:pete@ae5pl.net

> -----Original Message-----
> From: w8krr [mailto:w8krr@msn.com]
> Posted At: Sunday, April 14, 2002 11:46 AM
> Subject: [aprssig] Reply

>
>
> I agree - reply to sender only, reply all to sig. The
> sender thus has a choice.
> Mike

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---
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To unsubscribe send a blank email to leave-aprssig-842K@lists.tapr.org
Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

---

324. [aprssig] Re: APRS Plus

From: Steve Dimse <k4hg@tapr.org>
Date: Sun, 14 Apr 2002 13:50:25 -0400
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: TAPR APRS Special Interest Group <aprssig@lists.tapr.org>
Message-ID: <LYR842-74104-2002.04.14-13.24.54--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

On 4/14/02 12:31 PM, walterh@k5wh.net (WalterH) wrote:

>Is anyone besides me getting the error message about "Error:
>improper settings" when trying to display a map location ?
>
This sounds like a MapBlast error, is that what you are using to
generate the maps?

>I had not seen this before upgrading to the 2.11 version.
>Downgrading back to 2.10 did not resolve it either.
>
MapBlast has been messing with a lot of things lately. For a while my
global maps in the satellite and winlink pages were messed up because
one of the parameters FAM= which had worked fine as "mapblast" needed
to be changed to "myblast". Occasionally I'll see the parameter error
pop up now, but I haven't seen any rhyme or reason behind this.

All the direct MapBlast stuff is reversed engineered, there is no
guide on their web site. When I began findU I wrote and asked if it
was OK, and for documentation on the parameters, I never got any
response. They now have some licensing info on their site, but it
applies to how many of their images you keep on your server. With
findU, most images are requested by and sent directly to the users,
when I do get an image (for example plot.cgi without a geo paramter,
it is only on my server long enough to process, usually a tenth of a
second, so there are never enough to exceed their free limit.
Certainly they must be aware of what I am doing, I figure findU
appears in their referrer log a couple million times a month.

I would expect to have heard something if they had a problem with this
now, but it also wouldn't surprise me if some morning the ability to
generate the map images just disappeared. That is part of my
motivation for doing things like the dos maps and plot, breadcrumb,
and line cgis.

Steve K4HG

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---

325. [aprssig] Re: MFJ 1270C; Eliciting Reverse Forwards

From: "Doug Younker" <dougy@ruraltel.net>
Date: Sun, 14 Apr 2002 03:47:10 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-74105-2002.04.14-13.25.29--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

I can't recall the exact parameter name but, setting the callsign of your
home packet bbs as the parameter will allows the bbs to download [elicit]

any messages in your TNC mailbox that are addressed to go into the system
after the bss has forwarded to you. Depending on your sysop there may not
be a need to set this parameter, many don't or won't edit their scripts to
use TNC mailboxes, anyway FBB header broadcasts and Winpack/TPK/Sally are
the better way to do it . A word of CAUTION when MFJ introduced it's
"enhanced" mailbox a serious bug existed if your sysop forwards bulletins to
your TNC mailbox the mailbox gave the bulletin new BID and forwarded back
into the system. I don't know if the flaw still exists with later versions
but you can get around it by not setting the parameter or using a call that
wouldn't initiate a download.--73
Doug, N0LKK
 dougy@ruraltel.net
----- Original Message -----
From: <wa4tkg@attbi.com>
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Sent: Saturday, April 13, 2002 2:14 PM
Subject: [aprssig] MFJ 1270C; Eliciting Reverse Forwards

: Anyone out there that has set this up ?
:
: I have read, and REread the manual, and it's wording is
: just NOT computing in MY brain.
:
: Somebody out there that knows how to make this work?
:
: ---
: You are currently subscribed to aprssig as: dougy@ruraltel.net
: To unsubscribe send a blank email to leave-aprssig-842K@lists.tapr.org
: Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org
:
:

You are currently subscribed to aprssig as: lyris.aprssig@tapr.org
To unsubscribe send a blank email to leave-aprssig-842K@lists.tapr.org
Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

---

326. [aprssig] RE: ADMIN: replying to this SIG

From: "Rich Garcia" <k4gps@bellsouth.net>
Date: Sun, 14 Apr 2002 14:00:55 -0400
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-74109-2002.04.14-13.35.20--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

I am for replying directly to the author for 4 reasons.

1)Many times the reply is intended to the original author and needlessly
goes to the entire sig.
2)It is a good "firewall" for the flames (pun intended) by needing to enter
the address manually,
  personal arguments quite often end up in a all out war here.
3)Even though it only takes a brief moment to enter aprssig@tapr.org that
moment may be all it takes to
  have the sender re-think blasting away in a moment of passion.
4)Yes, this is a open discussion list and a good one but "stop and think" is
a lesson to live by.
  We are all technically adept people, it is not difficult to enter the sig
address in a reply if we have
  decided that it is actually necessary.

-----Original Message-----
From: bounce-aprssig-19959@lists.tapr.org
[mailto:bounce-aprssig-19959@lists.tapr.org]On Behalf Of Stan Horzepa
Sent: Sunday, April 14, 2002 10:45 AM
To: TAPR APRS Special Interest Group
Subject: [aprssig] ADMIN: replying to this SIG

When you reply to a message on this SIG, the SIG software is set up so that
you end up replying to the person that posted the message. Your reply will
not be posted to the SIG unless you Reply-To-All or you add the SIG email
address in the TO: field of your message.

Is this the way you like it? Many other SIGs including two others I
administer are set up to reply to the SIG rather than to the person who
posted the message. Would you prefer this option?

Let me know if you would prefer to reply to the SIG or reply to the person
who posted the message. The majority rules!

73,

Stan, WA1LOU, SIG administrator

You are currently subscribed to aprssig as: k4gps@bellsouth.net
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Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

---

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To unsubscribe send a blank email to leave-aprssig-842K@lists.tapr.org
Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

---

327. [aprssig] Re: APRS Plus

From: "Brent Hildebrand" <bhildebrand@earthlink.net>
Date: Sun, 14 Apr 2002 11:05:36 -0700
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-74110-2002.04.14-13.39.34--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

> Is anyone besides me getting the error message about "Error: improper
> settings" when trying to display a map location ?
>
> I had not seen this before upgrading to the 2.11 version. Downgrading back
> to 2.10 did not resolve it either.
>
> Thanks,
> Walter/K5WH

I assume you mean with the APSA+SA Web Server?? If so, download the patch file, html.p211 which is for v2.11 and corrects the changes made at MapBlast. See the FTP site below.

Brent Hildebrand, KH2Z

APRS+SA
http://www.tapr.org/~kh2z/aprsplus
ftp://ftp.tapr.org/aprssig/winstuff/aprsplus

[]

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---

328. [aprssig] Replacement Radio

From: Dave Kaplan <dkaplan@steffeninc.com>
Date: Sun, 14 Apr 2002 13:08:09 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-74111-2002.04.14-13.42.43--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Now that I have my vehicle back it is time to start looking at replacement
radios.

Is there anything out there new (or hints of something being released at
Dayton) better than the Kenwood D700?

I had used the Pharos I-GPS for $130 to feed the D700. Anything better that
I should be looking at?

Dave

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Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

329. [aprssig] Re: APRS Plus

From: WA8LMF2@aol.com
Date: Sun, 14 Apr 2002 14:25:27 EDT
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-74114-2002.04.14-13.59.21--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

```
In a message dated 4/14/02 10:53:31 AM Pacific Daylight Time, k4hg@tapr.org
writes:

> I would expect to have heard something if they had a problem with this
>  now, but it also wouldn't surprise me if some morning the ability to
>  generate the map images just disappeared.

Funny you should mention this right now.  I had been wondering about this
very issue the last few days (since you posted about the record number of
hits on Findu) .  "How much of a bandwidth drain on Mapblast is Findu?"  and
"Why are they willing to have all this  bandwidth taken without even any of
their banner ads being presented on Findu" ?

With the UI-View program also now able to take advantage of Mapblast maps,
via the Maptool accessory program,  and the web server built-into APRSplus,
the total APRS burden on Mapblast is growing!  When ARE they going to object?

Stephen H. Smith                   wa8lmf @ aol.com
Home Page:
http://members.aol.com/wa8lmf
Ham Radio/Mobile SSTV page:     http://members.aol.com/wa8lmf/ham
APRS Stuff
http://members.aol.com/wa8lmf/aprs
-----------------------------------------------------------------------------

----------
|    Radio Communications Systems       Personal Computers
|                Consulting and Systems Integration
|    GPS Custom Mapping    &     Radio Coverage Surveys
|    File Conversions       MS-Windows Setups       VISCII Fonts
-----------------------------------------------------------------------------

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Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org
```

---

330. [aprssig] Re: Replacement Radio

From: WA8LMF2@aol.com
Date: Sun, 14 Apr 2002 14:40:48 EDT
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: dkaplan@steffeninc.com
Message-ID: <LYR842-74116-2002.04.14-14.14.48--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

```
In a message dated 4/14/02 11:10:41 AM Pacific Daylight Time,
dkaplan@steffeninc.com writes:

> I had used the Pharos I-GPS for $130 to feed the D700. Anything better that
>  I should be looking at?

1)  Where did you get the Pharos for only $130  !

2) Check out the Tri-M Systems "Smart Skymaster".  This is essentially a hard
mount version of the Pharos.  It is a combined antenna/receiver just like the
Pharos,  in a round package about 2 1/2 dia and about 5/8" high (looks like a
standard round patch antenna but a little higher).  It has a 3/4" stud
sticking out the bottom that inserts through a single 3/4" hole in the roof
like a Motorola-type antenna mount.  A single nut threads onto the stud from
below to lock it into position.   The center of the stud has a 6-pin
PS/2-type mini-din socket where you feed 5VDC in and take RS-232 NMEA 2.0
data out.  Mine is hardwired (through a 12VDC->5VDC converter) to the car's
electric system,  and has been running with a D700 non-stop for 6 months now
perfectly.

    http://www.tri-m.com/products/gps.html        (Manufacturer in Vancouver
BC)

    http://www.gpsoutfitters.com     (Their US distributer)
```

```
Stephen H. Smith                   wa8lmf @ aol.com
Home Page:
http://members.aol.com/wa8lmf
Ham Radio/Mobile SSTV page:     http://members.aol.com/wa8lmf/ham
APRS Stuff
http://members.aol.com/wa8lmf/aprs
-----------------------------------------------------------------------------

----------
|    Radio Communications Systems       Personal Computers
|                Consulting and Systems Integration
|    GPS Custom Mapping    &     Radio Coverage Surveys
|    File Conversions       MS-Windows Setups       VISCII Fonts
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```

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331. [aprssig] Out of memory in station list

From: "Bill Guthrie" <willy3jax@telocity.com>
Date: Sun, 14 Apr 2002 14:58:32 -0400
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-74121-2002.04.14-14.30.03--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

```
Hello:

I am running WinAPRS v 2.5.1 on a PI-100 with 64k mem and Win95. I am
getting a "out of memory in station list" when I am using the IGate feature.
How much memory is sufficient? Or what is the best way to manage memory.

Thanks

Bill, KC4OUA
willy3jax@telocity.com
kc4oua@arrl.net
kc4oua @ w4jax.#jax.fl.usa.noam




---
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Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org
```

---

332. [aprssig] Re: Out of memory in station list

From: "Kurt O. Jauss" <kf6hjo@earthlink.net>
Date: Sun, 14 Apr 2002 12:20:33 -0700
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: TAPR APRS Special Interest Group <aprssig@lists.tapr.org>
Message-ID: <LYR842-74124-2002.04.14-14.54.29--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

```
In the WINAPRS directory, create a file called Memory.txt.
Use notepad to edit the file and in the file type,    STATIONS    8000

The space is a tab and the numbers are the amount of stations you want
to see.

Bill Guthrie wrote:

>Hello:
>
>I am running WinAPRS v 2.5.1 on a PI-100 with 64k mem and Win95. I am
>getting a "out of memory in station list" when I am using the IGate feature.
>How much memory is sufficient? Or what is the best way to manage memory.
>
>Thanks
>
>Bill, KC4OUA
>willy3jax@telocity.com
>kc4oua@arrl.net
>kc4oua @ w4jax.#jax.fl.usa.noam
>
```

```
>
>
>
>---
>You are currently subscribed to aprssig as: KF6HJO@EARTHLINK.NET
>To unsubscribe send a blank email to leave-aprssig-842K@lists.tapr.org
>Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org
>
>



---
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To unsubscribe send a blank email to leave-aprssig-842K@lists.tapr.org
Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org
```

---

333. [aprssig] Re: Out of memory in station list

From: Ray Vaughan <ray@rayvaughan.com>
Date: Sun, 14 Apr 2002 15:34:41 -0400
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-74128-2002.04.14-15.10.11--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

```
I have this set to 16384 and I still get this type of crash, one or two a day.   As well as the frequent
 'terminating thread' error.   These bugs show up very quickly when the software is used as an I-gate,
due to the high volume of data coming in via TCP/IP.

I'm afraid the software is broken and there's little if any hope of repair.   Going backwards to an
older version didn't help either.

I wish the news was better for us.

At 12:20 PM 4/14/02 -0700, you wrote:
>   In the WINAPRS directory, create a file called Memory.txt.
>Use notepad to edit the file and in the file type,    STATIONS    8000
>
>The space is a tab and the numbers are the amount of stations you want to see.
>
>Bill Guthrie wrote:


Ray J. Vaughan, MS, CBTE, CERT
KD4BBM  PG-7-15266
ray@rayvaughan.com
http://www.rayvaughan.com/
§97.1(c)-(d)

---
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Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org
```

---

334. [aprssig] Re: ADMIN: replying to this SIG

From: Bob Nielsen <nielsen@oz.net>
Date: Sun, 14 Apr 2002 12:57:23 -0700
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-74135-2002.04.14-15.31.23--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

```
My mailer (mutt) allows me to reply to either the sender, sender + all
cc: addresses or to the list, with different keystrokes (my keyboard
doesn't click on anything!)  Keep it like it is (I think there is a RFC
about this).

--
Bob Nielsen, N7XY                           nielsen@oz.net
Bainbridge Island, WA                       http://www.oz.net/~nielsen
IOTA NA-065, USI WA-028S

---
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To unsubscribe send a blank email to leave-aprssig-842K@lists.tapr.org
Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org
```

---

335. [aprssig] Re: ADMIN: replying to this SIG

From: Earl Needham <needhame@yucca.net>
Date: Sun, 14 Apr 2002 12:08:34 -0600
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-74136-2002.04.14-15.39.06--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

```
At 10:44 AM 4/14/2002 -0400, Stan Horzepa wrote:
>When you reply to a message on this SIG, the SIG software is set up so that
>you end up replying to the person that posted the message. Your reply will
>not be posted to the SIG unless you Reply-To-All or you add the SIG email
>address in the TO: field of your message.
>
>Is this the way you like it? Many other SIGs including two others I
>administer are set up to reply to the SIG rather than to the person who
>posted the message. Would you prefer this option?
>
>Let me know if you would prefer to reply to the SIG or reply to the person
>who posted the message. The majority rules!

         I would very much prefer the reply to automatically go to the
SIG.  As it is, if I'm having a SIG discussion, I have to manually edit the
TO: line.

         Thanks,
         Earl


Earl Needham, KD5XB, Clovis, New Mexico
KD5XB-2>APW251,PCSAT-1*:=3425.83N/10313.55W-PHG7150/WinAPRS 2.5.1
-EARL_CLOVIS -251-<630>
Did you get a letter from Nigeria offering a "deal"?  See
http://home.rica.net/alphae/419coal/ and
http://www.crimes-of-persuasion.com/Crimes/Business/nigerian.htm


---
You are currently subscribed to aprssig as: lyris.aprssig@tapr.org
To unsubscribe send a blank email to leave-aprssig-842K@lists.tapr.org
Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org
```

---

336. [aprssig] Re: Reply

From: "Doug Younker" <dougy@ruraltel.net>
Date: Sun, 14 Apr 2002 15:04:34 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-74137-2002.04.14-15.46.29--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

```
Personally for the sake of constancy in the use of the groups, email lists
and SIGS that I subscribe to, I prefer that reply go to the sig.  Even this
lists at qth.net are this way now. I'm using Outlook Express and I click on
reply all to the post of w8krr and the to field contains both w8krr AND tapr
aprs special interest group NOT only the sig as has been suggested.  I have
received email from mildly irritated persons who received duplicate messages
because I neglect to delete their personal addy from the to field.  True on
oops can start a flame ware but the war continues because others don't
expend the effort to end it.    In the end this is the small stuff and I
won't sweat the final decision but my preference is reply goes to the sig.
Doug, N0LKK
 dougy@ruraltel.net
----- Original Message -----
From: "w8krr" <w8krr@msn.com>
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Sent: Sunday, April 14, 2002 11:24 AM
Subject: [aprssig] Reply


: I agree - reply to sender only, reply all to sig.  The
: sender thus has a choice.
: Mike
:
: ---
: You are currently subscribed to aprssig as: dougy@ruraltel.net
: To unsubscribe send a blank email to leave-aprssig-842K@lists.tapr.org
: Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org
:
:


---
You are currently subscribed to aprssig as: lyris.aprssig@tapr.org
```

```
To unsubscribe send a blank email to leave-aprssig-842K@lists.tapr.org
Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org
```

337. [aprssig] Re: ADMIN: replying to this SIG

From: KC7ZRU - Tate <kc7zru@arrl.net>
Date: Sun, 14 Apr 2002 14:41:48 -0600
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-74143-2002.04.14-16.15.48--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

```
Here's what I posted to the aprs-spec reflector - it fits here too:

Reply to all - personal accountability and shared discussion outweigh
the potential for folks that don't yet know how to control their news
clients.

Everyone's gotta learn - sometimes with an embarassing motivator.

73

--
              Casper, WY    |    CARC Repeater
                DN62tt      |      146.940
        "The Dungeon" online at http://go.to/kc7zru
            "RTFM" is NOT a 'four letter' word!

---
You are currently subscribed to aprssig as: lyris.aprssig@tapr.org
To unsubscribe send a blank email to leave-aprssig-842K@lists.tapr.org
Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org
```

338. [aprssig] Reply

From: "w8krr" <w8krr@msn.com>
Date: Sun, 14 Apr 2002 16:20:10 -0400
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-74145-2002.04.14-16.20.49--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

```
Jeepers - I didn't mean to start an arguement - either
way is ok with me, as long as one goes sender, and
the other reply to group.

Mike

---
You are currently subscribed to aprssig as: lyris.aprssig@tapr.org
To unsubscribe send a blank email to leave-aprssig-842K@lists.tapr.org
Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org
```

339. [aprssig] Re: ADMIN: replying to this SIG

From: "Mike Yetsko" <myetsko@insydesw.com>
Date: Sun, 14 Apr 2002 17:16:02 -0400
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-74146-2002.04.14-16.49.34--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

```
I'd just like to know why it needs changed?  Are we trying to break it?

Mike



---
You are currently subscribed to aprssig as: lyris.aprssig@tapr.org
To unsubscribe send a blank email to leave-aprssig-842K@lists.tapr.org
Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org
```

340. [aprssig] Re: Out of memory in station list

From: Dick Reichenbach <dreichen@columbus.rr.com>
Date: Sun, 14 Apr 2002 17:22:33 -0400
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-74147-2002.04.14-16.55.28--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

```
I think you said you have 64Mb on  a P-100.  I don't think that is sufficient.  My 56Mb machine will not
 handle a full TCP/IP feed, and it only runs APRS, plus the OS overhead.  Even with just local stations
(when the count gets up to 700 or so), I will
occasionally get out of memory errors.  The old machine had a motherboard limit of 132 Mb, and I was
```

afraid that even that wouldn't be enough, so that's one reason that I spent the money on a newer computer.

Also remember that the airport and zipcode.dat files and the NWSshape files take up lots of space. Getting rid of those could help a little.

Ray Vaughan wrote:

> I have this set to 16384 and I still get this type of crash, one or two a day.   As well as the frequent 'terminating thread' error.   These bugs show up very quickly when the software is used as an I-gate, due to the high volume of data coming in via TCP/IP.

You are currently subscribed to aprssig as: lyris.aprssig@tapr.org
To unsubscribe send a blank email to leave-aprssig-842K@lists.tapr.org
Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

341. CANOPY

From: czxinya@public.cz.js.cn
Date: Mon, 15 Apr 2002 05:30:38 +0800
To: lyris.aprssig@tapr.org
Message-ID: <20020414210915.5BAE469C77@mx1.mail.twtelecom.net>
Rendered body type: text/plain

Dear Sir : Greetings!
We are manufacture of outdoor products and pipe products in china.
Outdoor products including: Car/boat canopy, Carport canopy, Instant shelter, Party tent, Pavilion, Stake, Elastic ball bungees.
Utility spring refuse bag.
If you are interest in our products, please feel free to contact us.

Best regards,
Ms Lindar Fei
XINYA (CHINA) CO.,LTD
TEL□□86-519- 8404880 8404980
FAX□□86-519-8405025
E-mail:czxinya@public.cz.js.cn
Http://czxinya.chinasuppliers.alibaba.com
ADD□□Dongfang Road,Lucheng, Changzhou,China
Zip Code: 213025

342. Your confirmation is needed (ok 842)

From: Lyris <unsubscribe-confirm@lists.tapr.org>
Date: Sun, 14 Apr 2002 17:00:55 -0600
To: lyris.aprssig@tapr.org
Message-ID: <LYR842-74153-2002.04.14-17.00.55--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Your email address 'lyris.aprssig@tapr.org' has been submitted to be unsubscribed from the 'aprssig' mailing list.

This unsubscribe command requires your confirmation that you want to be unsubscribed.

To confirm that you do want to unsubscribe, reply to this message so that the words "ok 842" appear somewhere on the subject line.

Make sure that your reply message is addressed to
unsubscribe-confirm@lists.tapr.org

You will receive notification that your confirmation has been received, and that you have been unsubscribed.

If you do not want to unsubscribe, do nothing. You will be kept on the mailing list.

Return-Path: <czxinya@public.cz.js.cn>
Received: from ([61.160.203.213]) by lists.tapr.org with SMTP (Lyris Server version 3.0); Sun, 14 Apr 2002 17:00:46 -0600
From: czxinya@public.cz.js.cn
Subject:
To: aprssig-request
Content-Type: text/plain;
Sender: czxinya@public.cz.js.cn
Date: Mon, 15 Apr 2002 05:30:38 +0800
X-Priority: 3

X-Library: Co-top Library
X-Mailer: Active Send Mail 2.1(Build 2100)

# Mail sent to leave-aprssig-842k was converted to these commands:
unsubscribe aprssig lyris.aprssig@tapr.org confirm
end

# This is the text of the message that triggered the action:

Return-Path: <czxinya@public.cz.js.cn>
Received: from ([61.160.203.213]) by lists.tapr.org with SMTP (Lyris Server version 3.0); Sun, 14 Apr 2002 17:00:46 -0600
From: czxinya@public.cz.js.cn
Subject: CANOPY
To: leave-aprssig-842k@lists.tapr.org
Content-Type: text/plain;
Sender: czxinya@public.cz.js.cn
Date: Mon, 15 Apr 2002 05:30:38 +0800
X-Priority: 3
X-Library: Co-top Library
X-Mailer: Active Send Mail 2.1(Build 2100)

Dear Sir : Greetings!
We are manufacture of outdoor products and pipe products in china.
Outdoor products including: Car/boat canopy, Carport canopy, Instant shelter, Party tent, Pavilion, Stake, Elastic ball bungees.
Utility spring refuse bag.
If you are interest in our products, please feel free to contact us.

Best regards,
Ms Lindar Fei
XINYA (CHINA) CO.,LTD
TEL□□86-519- 8404880 8404980
FAX□□86-519-8405025
E-mail:czxinya@public.cz.js.cn
Http://czxinya.chinasuppliers.alibaba.com
ADD□□Dongfang Road,Lucheng, Changzhou,China
Zip Code: 213025

---

343. [aprssig] Re: ADMIN: replying to this SIG

From: Matthew Stennett <WA4TKG@attbi.com>
Date: Sun, 14 Apr 2002 17:32:10 -0400
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: TAPR APRS Special Interest Group <aprssig@lists.tapr.org>
Message-ID: <LYR842-74154-2002.04.14-17.06.01--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Yup; It's working well, let's all try screwing it up!

My vote is to REPLY to ALL, WITHOUT haveing to PASTE in
addresses.
I've made the mistake of sending email to the wrong place, but
you know what they say;

 " &%*$ xxx   can't take a joke " ?

Mike Yetsko wrote:

> I'd just like to know why it needs changed? Are we trying to break it?
>
> Mike
>
> ---
> You are currently subscribed to aprssig as: WA4TKG@attbi.com
> To unsubscribe send a blank email to leave-aprssig-842K@lists.tapr.org
> Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

---
You are currently subscribed to aprssig as: lyris.aprssig@tapr.org
To unsubscribe send a blank email to leave-aprssig-842K@lists.tapr.org
Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

---

344. [aprssig] Macintosh Ham Radio Program Sites/Web Pages

From: WA4TKG@attbi.com
Date: Sun, 14 Apr 2002 21:49:54 +0000
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>

Message-ID: <LYR842-74155-2002.04.14-17.23.46--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

I had a corruption problem, and was forced to throw away
my browser.
As a rusult, I lost all my bookmarks, with the good links
listed.

Could any of you OTHER Mac obsessed owners out there pass
along those great web pages.
One was for " G 0 (zero) " site, and the other is
the one with the guy in the space suit looking get up, and
the caption says: " Intel inside?; I think NOT ! "

MacRatt Matt
Previously;
" The ONLY APRS station in Japan "

You are currently subscribed to aprssig as: lyris.aprssig@tapr.org
To unsubscribe send a blank email to leave-aprssig-842K@lists.tapr.org
Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

345. [aprssig] Radio-TNC Cable Wiring Web Site?

From: WA4TKG@attbi.com
Date: Sun, 14 Apr 2002 21:56:13 +0000
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-74157-2002.04.14-17.30.26--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

I also lost the site for wiring patch cables for
packet to tncs.

Anyone got that one again ?

(I think I'll put all these on my web server homepage
before this happens AGAIN)

You are currently subscribed to aprssig as: lyris.aprssig@tapr.org
To unsubscribe send a blank email to leave-aprssig-842K@lists.tapr.org
Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

346. [aprssig] Re: ADMIN: replying to this SIG

From: "Bill Kearns" <billk@inland.net>
Date: Sun, 14 Apr 2002 15:01:35 -0700
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-74158-2002.04.14-17.35.36--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

>>>Too many people are too sensitive. I propose keeping it as it is (i.e.
>>>reply to the individual, reply-to-all for the SIG).

>>>J. B.

HA!   ***Too many people are too sensitive.***   (left-over ninties
"touchy/feely")

Websters Definition: <Sensitive> ... "Susceptible to the attitudes,
feelings, or circumstances of others. Quick to take offense; touchy. Easily
irritated."
____

As the father of three teenagers. (twin boys to boot!) I can see that the
possible reason for this ongoing problem in grown adult men may be the
left-over lingering emotionalism of late adolescence.

I say Change It!!   reply to the SIG!

Bill WB6JAR

You are currently subscribed to aprssig as: lyris.aprssig@tapr.org
To unsubscribe send a blank email to leave-aprssig-842K@lists.tapr.org
Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

---

347. [aprssig] Re: Macintosh Ham Radio Program Sites/Web Pages

From: Keith Sproul <ksproul@vger.rutgers.edu>
Date: Sun, 14 Apr 2002 18:04:55 -0400
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-74159-2002.04.14-17.40.05--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

```
There is a very good mailing list about Ham programs for the
Macintosh.. All of the various contacts are listed below...



List-Help: <mailto:ham-mac-request@mailman.qth.net?subject=help>
List-Post: <mailto:ham-mac@mailman.qth.net>
List-Subscribe: <http://mailman.qth.net/mailman/listinfo/ham-mac>,
        <mailto:ham-mac-request@mailman.qth.net?subject=subscribe>
List-Id: Mac enthusiasts involved in amateur radio applications
<ham-mac.mailman.qth.net>
List-Unsubscribe: <http://mailman.qth.net/mailman/listinfo/ham-mac>,
        <mailto:ham-mac-request@mailman.qth.net?subject=unsubscribe>
List-Archive: <http://mailman.qth.net/pipermail/ham-mac/>


At 21:49 +0000 4/14/2002, WA4TKG@attbi.com wrote:
>I had a corruption problem, and was forced to throw away
>my browser.
>As a rusult, I lost all my bookmarks, with the good links
>listed.
>
>Could any of you OTHER Mac obsessed owners out there pass
>along those great web pages.
>One was for " G 0 (zero) " site, and the other is
>the one with the guy in the space suit looking get up, and
>the caption says: " Intel inside?; I think NOT ! "
>
>MacRatt Matt
>Previously;
>" The ONLY APRS station in Japan "

--
Keith Sproul                    Ham Radio WU2Z
ksproul@vger.rutgers.edu        732 821-4828

---
You are currently subscribed to aprssig as: lyris.aprssig@tapr.org
To unsubscribe send a blank email to leave-aprssig-842K@lists.tapr.org
Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org
```

---

348. [aprssig] ADMIN: Survey

From: Stan Horzepa <stanzepa@earthlink.net>
Date: Sun, 14 Apr 2002 18:09:41 -0400
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-74161-2002.04.14-17.44.08--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

I will keep accepting survey responses until they dwindle to nothing or
less. By the way, you can send your survey responses directly to me rather
than the SIG.

Stan, WA1LOU, SIG administrator

You are currently subscribed to aprssig as: lyris.aprssig@tapr.org
To unsubscribe send a blank email to leave-aprssig-842K@lists.tapr.org
Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

---

349. [aprssig] Re: Radio-TNC Cable Wiring Web Site?

From: "Jim Lawyer" <aa5qx@attbi.com>
Date: Sun, 14 Apr 2002 18:14:47 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-74167-2002.04.14-18.48.38--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

```
Try http://www.packetradio.com/tnc2rad.htm


----- Original Message -----
From: <WA4TKG@attbi.com>
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Sent: Sunday, April 14, 2002 4:56 PM
Subject: [aprssig] Radio-TNC Cable Wiring Web Site?


> I also lost the site for wiring patch cables for
> packet to tncs.
>
> Anyone got that one again ?
>
> (I think I'll put all these on my web server homepage
> before this happens AGAIN)
>
> ---
> You are currently subscribed to aprssig as: aa5qx@attbi.com
> To unsubscribe send a blank email to leave-aprssig-842K@lists.tapr.org
> Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org
>


---
You are currently subscribed to aprssig as: lyris.aprssig@tapr.org
To unsubscribe send a blank email to leave-aprssig-842K@lists.tapr.org
Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org
```

350. [aprssig] Re: ADMIN: Survey

From: Robbie Robertson <mwrobertson@attbi.com>
Date: Mon, 15 Apr 2002 18:54:32 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: TAPR APRS Special Interest Group <aprssig@lists.tapr.org>
Message-ID: <LYR842-74180-2002.04.14-19.27.36--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

```
If I click on Reply All, my responses got to Stan and CC to TAPR
APRS Special Interest Group!

If I click on Reply, my e-mail goes to Stan _ONLY_ !

I don't understand what the problem can be,  I say leave it as it
is... Thanks

Robbie

Stan Horzepa wrote:
>
> I will keep accepting survey responses until they dwindle to nothing or
> less. By the way, you can send your survey responses directly to me rather
> than the SIG.
>
> Stan, WA1LOU, SIG administrator
>
> ---
> You are currently subscribed to aprssig as: mwrobertson@attbi.com
> To unsubscribe send a blank email to leave-aprssig-842K@lists.tapr.org
> Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

--

- Robbie Robertson -
...-.- wa9inf ...-.-

---
You are currently subscribed to aprssig as: lyris.aprssig@tapr.org
To unsubscribe send a blank email to leave-aprssig-842K@lists.tapr.org
Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org
```

351. [aprssig] Re: Reply

From: "j.gutshall" <j.gutshall@attbi.com>
Date: Sun, 14 Apr 2002 18:31:16 -0600
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-74205-2002.04.14-20.04.09--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

I agree - reply to sender only, reply all to sig. The
sender thus has a choice!

----- Original Message -----
From: "w8krr" <w8krr@msn.com>
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Sent: Sunday, April 14, 2002 10:24 AM
Subject: [aprssig] Reply

> I agree - reply to sender only, reply all to sig. The
> sender thus has a choice.
> Mike
>
> ---
> You are currently subscribed to aprssig as: j.gutshall@attbi.com
> To unsubscribe send a blank email to leave-aprssig-842K@lists.tapr.org
> Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org
>
>

You are currently subscribed to aprssig as: lyris.aprssig@tapr.org
To unsubscribe send a blank email to leave-aprssig-842K@lists.tapr.org
Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

---

352. [aprssig] RE: Reply

From: Gerry Creager N5JXS <gerry@cs.tamu.edu>
Date: Sun, 14 Apr 2002 20:37:06 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: TAPR APRS Special Interest Group <aprssig@lists.tapr.org>
Message-ID: <LYR842-74229-2002.04.14-21.11.01--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Which suggests that Outlook/Exchange is broken, something the Unix
administrators have suggested since the first round of e-mail failures
with that system ;-)

With tongue firmly in cheek,
gerry
--
AE5PL Lists wrote:

> Unfortunately, not all email programs put the sig address in the To or
> CC field using Reply All. I am using Outlook through Exchange and Reply
> All only brought up w8krr@msn.com for this response. I had to manually
> put in the sig address.
>
> 73,
>
> Pete Loveall AE5PL
> http://www.ae5pl.net
> mailto:pete@ae5pl.net
>
>
>
>>-----Original Message-----
>>From: w8krr [mailto:w8krr@msn.com]
>>Posted At: Sunday, April 14, 2002 11:46 AM
>>Subject: [aprssig] Reply
>>
>>
>>I agree - reply to sender only, reply all to sig. The
>>sender thus has a choice.
>>Mike
>>
>
> ---
> You are currently subscribed to aprssig as: gerry@cs.tamu.edu
> To unsubscribe send a blank email to leave-aprssig-842K@lists.tapr.org
> Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org
>

```
--
--
Gerry Creager -- gerry@cs.tamu.edu
Network Engineering
Academy for Advanced Telecommunications and Learning Technologies
Texas A&M University    979.458.4020  (Phone) -- 979.847.8578  (Fax)


---
You are currently subscribed to aprssig as: lyris.aprssig@tapr.org
To unsubscribe send a blank email to leave-aprssig-842K@lists.tapr.org
Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org
```

353. [aprssig] RE: Reply

From: WA8LMF2@aol.com
Date: Sun, 14 Apr 2002 21:42:28 EDT
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-74232-2002.04.14-21.16.25--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

```
Having the from address  being  "aprssig@lists.tapr.org"  makes blocking spam
much easier since one could set up a mailbox to pass ONLY that address.

---
You are currently subscribed to aprssig as: lyris.aprssig@tapr.org
To unsubscribe send a blank email to leave-aprssig-842K@lists.tapr.org
Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org
```

354. [aprssig] TinyTrak Settings

From: David Rush <david@davidarush.com>
Date: Sun, 14 Apr 2002 21:01:03 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-74239-2002.04.14-21.35.15--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

```
Hi Folks.  I've got a web page I've recently put up which lists all the parameters the TinyTrak II
takes, and the values I/we recommend.  "We" in this case is the community at large.  Help me out by
checking out my page and letting me know if I've gone terribly astray anywhere, or if you have any
suggestions on making it better:

http://davidarush.com/tinytrak/

Of course there are many parameters for which there is no one right answer.  But I'm trying to provide a
 resource for the newbie, and want to provide a set of safe values for him/her to start with.

Smart beaconing is one area where I don't know a lot, particularly when it comes to the turns.  Can
anyone suggest some good generic values for newbies to start with?

While my page is targeted at TinyTrak users, I think most of the parameters apply equally well to most
mobile APRS users.

David, ky0dr

---
You are currently subscribed to aprssig as: lyris.aprssig@tapr.org
To unsubscribe send a blank email to leave-aprssig-842K@lists.tapr.org
Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org
```

355. [aprssig] Re: Radio-TNC Cable Wiring Web Site?

From: "Bill Guthrie" <willy3jax@telocity.com>
Date: Sun, 14 Apr 2002 22:46:33 -0400
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: <WA4TKG@attbi.com>
Message-ID: <LYR842-74283-2002.04.14-22.18.06--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

```
http://www.buxcommco.com/


----- Original Message -----
From: <WA4TKG@attbi.com>
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Sent: Sunday, April 14, 2002 5:56 PM
Subject: [aprssig] Radio-TNC Cable Wiring Web Site?


> I also lost the site for wiring patch cables for
> packet to tncs.
```

```
>
> Anyone got that one again ?
>
> (I think I'll put all these on my web server homepage
> before this happens AGAIN)
>
> ---
> You are currently subscribed to aprssig as: willy3jax@telocity.com
> To unsubscribe send a blank email to leave-aprssig-842K@lists.tapr.org
> Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org
>
>



---
You are currently subscribed to aprssig as: lyris.aprssig@tapr.org
To unsubscribe send a blank email to leave-aprssig-842K@lists.tapr.org
Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org
```

---

356. [aprssig] RE: Reply

From: "Tj Johnston" <timothy.johnston@verizon.net>
Date: Mon, 15 Apr 2002 00:08:29 -0400
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-74289-2002.04.14-23.46.26--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

```
FYI: I am running Outlook and "Reply" goes to send... "Reply ALL" goes to
sender and sig
Works fine here... leave that way

TJ, N4UYQ

-----Original Message-----
From: bounce-aprssig-26768@lists.tapr.org
[mailto:bounce-aprssig-26768@lists.tapr.org]On Behalf Of Gerry Creager
N5JXS
Sent: Sunday, April 14, 2002 9:37 PM
To: TAPR APRS Special Interest Group
Cc: TAPR APRS Special Interest Group
Subject: [aprssig] RE: Reply


Which suggests that Outlook/Exchange is broken, something the Unix
administrators have suggested since the first round of e-mail failures
with that system ;-)

With tongue firmly in cheek,
gerry
--
AE5PL Lists wrote:

> Unfortunately, not all email programs put the sig address in the To or
> CC field using Reply All.  I am using Outlook through Exchange and Reply
> All only brought up w8krr@msn.com for this response.  I had to manually
> put in the sig address.
>
> 73,
>
> Pete Loveall AE5PL
> http://www.ae5pl.net
> mailto:pete@ae5pl.net
>
>
>
>>-----Original Message-----
>>From: w8krr [mailto:w8krr@msn.com]
>>Posted At: Sunday, April 14, 2002 11:46 AM
>>Subject: [aprssig] Reply
>>
>>
>>I agree - reply to sender only, reply all to sig.  The
>>sender thus has a choice.
>>Mike
>>
>
> ---
> You are currently subscribed to aprssig as: gerry@cs.tamu.edu
> To unsubscribe send a blank email to leave-aprssig-842K@lists.tapr.org
> Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org
```

>

--
--
Gerry Creager -- gerry@cs.tamu.edu
Network Engineering
Academy for Advanced Telecommunications and Learning Technologies
Texas A&M University   979.458.4020 (Phone) -- 979.847.8578 (Fax)

You are currently subscribed to aprssig as: timothy.johnston@verizon.net
To unsubscribe send a blank email to leave-aprssig-842K@lists.tapr.org
Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

---
You are currently subscribed to aprssig as: lyris.aprssig@tapr.org
To unsubscribe send a blank email to leave-aprssig-842K@lists.tapr.org
Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

357. [aprssig] RE: TinyTrak Settings

From: "Glen Tubbesing" <n7got@earthlink.net>
Date: Sun, 14 Apr 2002 22:28:08 -0700
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-74309-2002.04.15-01.02.18--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Just out of curiosity, have you asked Byon N6BG what he suggests? His address is byon@byon.com.

73,
Glen Tubbesing
N7GOT
Las Vegas, NV

-----Original Message-----
From: bounce-aprssig-28446@lists.tapr.org
[mailto:bounce-aprssig-28446@lists.tapr.org] On Behalf Of David Rush
Sent: Sunday, April 14, 2002 07:01 PM
To: TAPR APRS Special Interest Group
Subject: [aprssig] TinyTrak Settings

Hi Folks. I've got a web page I've recently put up which lists all the parameters the TinyTrak II takes, and the values I/we recommend. "We" in this case is the community at large. Help me out by checking out my page and letting me know if I've gone terribly astray anywhere, or if you have any suggestions on making it better:

http://davidarush.com/tinytrak/

Of course there are many parameters for which there is no one right answer. But I'm trying to provide a resource for the newbie, and want to provide a set of safe values for him/her to start with.

Smart beaconing is one area where I don't know a lot, particularly when it comes to the turns. Can anyone suggest some good generic values for newbies to start with?

While my page is targeted at TinyTrak users, I think most of the parameters apply equally well to most mobile APRS users.

David, ky0dr

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Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

---
You are currently subscribed to aprssig as: lyris.aprssig@tapr.org
To unsubscribe send a blank email to leave-aprssig-842K@lists.tapr.org
Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

358. [aprssig] Re: ADMIN: replying to this SIG

From: pmarkham@newsguy.com
Date: Mon, 15 Apr 2002 02:08:39 -0400
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-74310-2002.04.15-01.42.44--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

My choice is "Reply to All".

I can live with the flames, if I screw up and send a private reply to the SIG. It will encourage me to be more careful and will increase
the value of the SIG to me.

For those that would flame me for a mistake; they bother me not, for my mistake gives them a reason to live and me a reason to be
more carefull.

Pete/wa4hei

Eschew obfuscation.

You are currently subscribed to aprssig as: lyris.aprssig@tapr.org
To unsubscribe send a blank email to leave-aprssig-842K@lists.tapr.org
Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

---

359. [aprssig] RE: Replies to SIG

From: "Bob D." <n2iph@comcast.net>
Date: Mon, 15 Apr 2002 05:31:06 -0400
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-74316-2002.04.15-05.05.01--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Even though I am subscribed in Digest mode and this would not affect
me,
I agree with John's reasoning (copied below).

Keep the 'Reply' action to the originator of the post,
and the 'Reply All' action to the SIG.

Bob D.
N2IPH

---snip----
My vote goes for reply to go to the author and reply all to got to the
sig.
I have seen many flame wars started by "inadvertent" posts that were
"intended to be private". Each post should require a deliberate
action
that precludes the excuse: "OOPs I meant for that to be private."

To reply to an individual would require a cut and paste operation that
in
the past few seemed to be willing to do. This has led to many
problems and
I think was one of the reasons the software was setup the way it is
now..

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To unsubscribe send a blank email to leave-aprssig-842K@lists.tapr.org
Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

---

360. [aprssig] Re: ADMIN: replying to this SIG

From: "Spider" <spider@rivcom.net>
Date: Mon, 15 Apr 2002 05:04:01 -0700
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-74331-2002.04.15-07.38.13--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

----- Original Message -----
From: "Stan Horzepa" <stanzepa@earthlink.net>
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Sent: Sunday, April 14, 2002 7:44 AM
Subject: [aprssig] ADMIN: replying to this SIG

snip
> Is this the way you like it? Many other SIGs including two others I
> administer are set up to reply to the SIG rather than to the person who
> posted the message. Would you prefer this option?
>
snip

No, I do not like it! And, it is not a standard in any or all the email lists I am on or own. You can go way back to the Fidonet standards if you wish or now the Usenet NewsGroups. You are replying to a public message, which was intended to be on the list. If a list user does not wish to reply to the group(has a personal comment not intended for the public), then he has the choice. Otherwise, a reply to a group message should be to the group, period. That is the whole purpose of a group list.
To communicate, to share. Threads are very difficult to read when half the replies automatically go private.
For me, I do not like seeing two email messages showing up with the "Reply All".
And if the users wants private replies, they can request that in the email.
And if people insist on replying in private, then they have missed the entire point of an group email list.

I would like to suggest you keep messages to the group, group messages.
This is the standard.

Jim, WA6OFT

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To unsubscribe send a blank email to leave-aprssig-842K@lists.tapr.org
Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

---

361. [aprssig] Re: ADMIN: Survey

From: "Richard Amirault" <ramirault@erols.com>
Date: Mon, 15 Apr 2002 09:21:56 -0400
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-74336-2002.04.15-08.56.56--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

I vote that REPLY should go to the list, thanks

Richard Amirault   N1JDU   Boston,
MA, USA
ramirault@erols.com   "Go Fly A Kite"
http:// www.erols.com/ramirault

You are currently subscribed to aprssig as: lyris.aprssig@tapr.org
To unsubscribe send a blank email to leave-aprssig-842K@lists.tapr.org
Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

---

362. [aprssig] Fwd: AVflash 8.16a

From: Earl Needham <needhame@yucca.net>
Date: Mon, 15 Apr 2002 07:22:18 -0600
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-74337-2002.04.15-08.57.39--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Interesting, it sounds like the FAA may have some interest in trackers --

>EYE IN THE SKY TRACKS GA FLIGHT
>An FAA-sponsored project in Alaska last month successfully tested a
>satellite nav/com system in the University of Alaska's Cessna 180 as an
>extension of the FAA's Capstone program. Using a hand-held satellite
>phone, researchers were able to send data to the Anchorage control
>center via the Iridium satellite system. Both the satellite and ground
>stations' systems were compared and the tracks they reported were
>virtually identical. As the plane continued out of range of the ground
>station, the satellite signal continued five by five. Some 150 light
>airplanes are already Capstone-equipped.

```
         7 3
         Earl


Earl Needham, KD5XB, Clovis, New Mexico
KD5XB-2>APW251,PCSAT-1*:=3425.83N/10313.55W-PHG7150/WinAPRS 2.5.1
-EARL_CLOVIS -251-<630>
Did you get a letter from Nigeria offering a "deal"?  See
http://home.rica.net/alphae/419coal/ and
http://www.crimes-of-persuasion.com/Crimes/Business/nigerian.htm



---
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To unsubscribe send a blank email to leave-aprssig-842K@lists.tapr.org
Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org
```

---

363. [aprssig] Re: ADMIN: replying to this SIG

From: k9soa@att.net
Date: Mon, 15 Apr 2002 13:30:45 +0000
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-74338-2002.04.15-09.05.05--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

```
Since this is a SIG, replies should go to the SIG.  Many
replies that answer questions is probably of interest to
many in the SIG and they all lose out when answers are
sent just to the individual.

Maybe if you have to do extra to FLAME, it will
hopefully reduce that kind of response.

My web email system, (ATT) doesn't have a REPLY GROUP.
Only REPLY, DELETE, FORWARD.

I think the value of the SIG is reduced considerably
when answers to questions would help MANY others but
since they don't get posted here, the questions are
asked over and over again.  You can't even search an
archive for an answer since it never gets to the SIG.

--
Don

www.k9soa.net  (EM77EW)

Home of "JEANNIE"
The House That Listens
Using HAL2000 by Home Automated
Living
Seen on HGTV's Dream Builder show

Featured Home of the Month
Home Automation Magazine March 2002

---
You are currently subscribed to aprssig as: lyris.aprssig@tapr.org
To unsubscribe send a blank email to leave-aprssig-842K@lists.tapr.org
Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org
```

---

364. [aprssig] Re: ADMIN: replying to this SIG

From: wa4tkg@attbi.com
Date: Mon, 15 Apr 2002 14:08:03 +0000
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-74342-2002.04.15-09.41.56--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

```
THIS guy makes a LOT of sense!
> My choice is "Reply to All".
>
> I can live with the flames, if I screw up and send a private reply to the SIG.
> It will encourage me to be more careful and will increase
> the value of the SIG to me.
>
> For those that would flame me for a mistake; they bother me not, for my mistake
> gives them a reason to live and me a reason to be
> more carefull.
>
> Pete/wa4hei
```

>
> Eschew obfuscation.
>
>
> ---
> You are currently subscribed to aprssig as: WA4TKG@attbi.com
> To unsubscribe send a blank email to leave-aprssig-842K@lists.tapr.org
> Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org
>

You are currently subscribed to aprssig as: lyris.aprssig@tapr.org
To unsubscribe send a blank email to leave-aprssig-842K@lists.tapr.org
Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

365. [aprssig] PCsat OPS-NORMAL.

From: Bob Bruninga <bruninga@usna.edu>
Date: Mon, 15 Apr 2002 10:34:34 -0400 (EDT)
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: Robert Bruninga <bruninga@usna.edu>
Message-ID: <LYR842-74346-2002.04.15-10.08.29--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Since PCsat finally made it through one orbit without a reset over a week ago, it was able to remember its settings and stay in low power mode and to get a near full charge. It has been fully operational for over a week.

THus, we are removing the day-time only restrictions and returning PCsat to NORMAL OPS. This condition should last at least 2 more weeks. But since PCsat's batteries are aging, we ask that routine unattended ops still not be done after dark. Save it for the humans...

So you are welcome to use it, but with gentleness.. ;-)

de WB4APR@amsat.org, Bob

PCsat WEB page	http://www.ew.usna.edu/~bruninga/pcsat.html
ISS-APRS FAQ:	http://www.ew.usna.edu/~bruninga/iss-faq.html
CUBESAT Designs	http://www.ew.usna.edu/~bruninga/cubesat.html
APRS LIVE pages	http://www.ew.usna.edu/~bruninga/aprs.html
APRS SATELLITES	http://www.ew.usna.edu/~bruninga/astars.html
MIM/Mic-E/Mic-Lite	http://www.toad.net/~wclement/bruninga/mic-lite.html

---
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To unsubscribe send a blank email to leave-aprssig-842K@lists.tapr.org
Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

366. [aprssig] Re: ADMIN: replying to this SIG

From: W9NJE@aol.com
Date: Mon, 15 Apr 2002 14:30:07 EDT
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-74367-2002.04.15-14.04.07--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

I vote "leave it like it is."

I enjoy the flaming as much as the topics. It gives me an insight as to the character and mentality of the flamers and flamees. It puts a perspective on some things that I never thought of.

Jim. w9nje@aol.com

The truth is out there.(X-FILES)

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To unsubscribe send a blank email to leave-aprssig-842K@lists.tapr.org
Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

367. [aprssig] TigerTrak TM-1 unit from Tigertronics Question

From: "J.Duffy Beischel" <wb8nut@arrl.net>
Date: Mon, 15 Apr 2002 14:59:57
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-74369-2002.04.15-15.33.48--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

I would like to correspond with anyone that is using a TigerTrak TM-1 or
TM-1+. Please e-mail me at wb8nut@arrl.net

Thanks,

Duffy
www.wb8nut.com

---
You are currently subscribed to aprssig as: lyris.aprssig@tapr.org
To unsubscribe send a blank email to leave-aprssig-842K@lists.tapr.org
Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

368. [aprssig] PC SAT Orbit Length

From: WA4TKG@attbi.com
Date: Mon, 15 Apr 2002 20:06:02 +0000
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-74370-2002.04.15-15.39.55--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Generally speaking, how long does it take between orbits
for PC SAT ?
Apparently I JUST MISSED ANOTHER one, two or so hours ago.

---
You are currently subscribed to aprssig as: lyris.aprssig@tapr.org
To unsubscribe send a blank email to leave-aprssig-842K@lists.tapr.org
Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

369. [aprssig] love that irony

From: "Wes Johnston" <wes@johnston.net>
Date: Mon, 15 Apr 2002 18:14:09 -0400
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-74387-2002.04.15-17.48.06--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

< humor>
Hmmm... Stan asked us if we wanted to change the method which we reply to
the sig... and he asked that we answer him privately.

that said.... I have seen no less than 6 replies on the sig asking that the
"reply" vs "reply all" be changed to just "reply" to reach the sig. BUT if
these people just hit "reply" their opinion would have gone straight to Stan
and not to the list. Instead they hit the "reply all" button copying the
list too.... makes me go HMmmmmmmmmmmm....

lol
< /humor>

Wes

---
You are currently subscribed to aprssig as: lyris.aprssig@tapr.org
To unsubscribe send a blank email to leave-aprssig-842K@lists.tapr.org
Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

370. [aprssig] Re: TigerTrak TM-1 unit from Tigertronics Question

From: WA8LMF2@aol.com
Date: Mon, 15 Apr 2002 18:15:58 EDT
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: wb8nut@arrl.net
Message-ID: <LYR842-74388-2002.04.15-17.50.06--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

In a message dated 4/15/02 1:01:42 PM Pacific Daylight Time, wb8nut@arrl.net
writes:

> I would like to correspond with anyone that is using a TigerTrak TM-1 or
> TM-1+. Please e-mail me at wb8nut@arrl.net

I have a couple of 'em. What do you need to know??

Stephen H. Smith   wa8lmf @ aol.com
Home Page:
http://members.aol.com/wa8lmf
Ham Radio/Mobile SSTV page: http://members.aol.com/wa8lmf/ham
APRS Stuff
http://members.aol.com/wa8lmf/aprs

```
--------------------------------------------------------------------------------

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|    Radio Communications Systems       Personal Computers
|                Consulting and Systems Integration
|    GPS Custom Mapping    &     Radio Coverage Surveys
|    File Conversions       MS-Windows Setups       VISCII Fonts
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To unsubscribe send a blank email to leave-aprssig-842K@lists.tapr.org
Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

---

371. [aprssig] Re: PC SAT Orbit Length

From: Bob Bruninga <bruninga@usna.edu>
Date: Mon, 15 Apr 2002 18:46:21 -0400 (EDT)
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: TAPR APRS Special Interest Group <aprssig@lists.tapr.org>
Message-ID: <LYR842-74390-2002.04.15-18.20.19--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

On Mon, 15 Apr 2002 WA4TKG@attbi.com wrote:

> Generally speaking, how long does it take between orbits
> for PC SAT ?
> Apparently I JUST MISSED ANOTHER one, two or so hours ago.

Every 100 minutes. Passes are occuring from mid morning to dusk over the nrothern hemisphere. On any pass on one day, a similar pass will occur 30 minutes earlier on the next day. for about a week. Then add 100 minutes to get back in sync...

Bob

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To unsubscribe send a blank email to leave-aprssig-842K@lists.tapr.org
Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

---

372. [aprssig] Re: love that irony

From: k9soa@att.net
Date: Mon, 15 Apr 2002 22:48:17 +0000
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: aprssig@lists.tapr.org
Message-ID: <LYR842-74391-2002.04.15-18.22.31--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Not only are they using the REPLY ALL, they change the
TO to the SIG so we then get TWO COPIES of the message.

--
Don

www.k9soa.net (EM77EW)

Home of "JEANNIE"
The House That Listens
Using HAL2000 by Home Automated
Living
Seen on HGTV's Dream Builder show

Featured Home of the Month
Home Automation Magazine March 2002
> < humor>
> Hmmm... Stan asked us if we wanted to change the method which we reply to
> the sig... and he asked that we answer him privately.
>
> that said.... I have seen no less than 6 replies on the sig asking that the
> "reply" vs "reply all" be changed to just "reply" to reach the sig. BUT if
> these people just hit "reply" their opinion would have gone straight to Stan
> and not to the list. Instead they hit the "reply all" button copying the
> list too.... makes me go HMmmmmmmmmmmm....
>
> lol
> < /humor>

```
>
> Wes
>
>
> ---
> You are currently subscribed to aprssig as: k9soa@att.net
> To unsubscribe send a blank email to leave-aprssig-842K@lists.tapr.org
> Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org
>

---
You are currently subscribed to aprssig as: lyris.aprssig@tapr.org
To unsubscribe send a blank email to leave-aprssig-842K@lists.tapr.org
Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org
```

---

373. [aprssig] Re: love that irony

From: Earl Needham <needhame@yucca.net>
Date: Mon, 15 Apr 2002 17:02:42 -0600
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-74397-2002.04.15-18.39.01--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

```
At 06:14 PM 4/15/2002 -0400, Wes Johnston wrote:
><snip>
>that said.... I have seen no less than 6 replies on the sig asking that the
>"reply" vs "reply all" be changed to just "reply" to reach the sig.  BUT if
>these people just hit "reply" their opinion would have gone straight to Stan
>and not to the list.  Instead they hit the "reply all" button copying the
>list too.... makes me go HMmmmmmmmmmmm....
><snip>

At 10:48 PM 4/15/2002 +0000, k9soa@att.net wrote:
>Not only are they using the REPLY ALL, they change the
>TO to the SIG so we then get TWO COPIES of the message.

         At least in the case on the reply I sent, I originally set it to
go to Stan, but when replies started showing up on the SIG, I went back and
sent mine to the SIG, too.  It was not an accident at all, but a conscious
choice to send to the SIG.

         7 3
         Earl


Earl Needham, KD5XB, Clovis, New Mexico
KD5XB-2>APW251,PCSAT-1*:=3425.83N/10313.55W-PHG7150/WinAPRS 2.5.1
-EARL_CLOVIS -251-<630>
Did you get a letter from Nigeria offering a "deal"?  See
http://home.rica.net/alphae/419coal/ and
http://www.crimes-of-persuasion.com/Crimes/Business/nigerian.htm


---
You are currently subscribed to aprssig as: lyris.aprssig@tapr.org
To unsubscribe send a blank email to leave-aprssig-842K@lists.tapr.org
Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org
```

---

374. [aprssig] PC SAT; Back On TOP of Heard List: Yeah!

From: WA4TKG@attbi.com
Date: Mon, 15 Apr 2002 23:17:15 +0000
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-74398-2002.04.15-18.51.09--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

```
Fantastic !

I FINALLY got picked up on the UPlink !

Yipee!!!

Bob; what's with the -1 Mail call ?
What is it's use, if you're not supposed
to CONNECT ?

(daaaah; sorry about that)


---
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```

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Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

---

375. [aprssig] Re: PC SAT; Back On TOP of Heard List: Yeah!

From: Bob Bruninga <bruninga@usna.edu>
Date: Mon, 15 Apr 2002 19:34:32 -0400 (EDT)
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: TAPR APRS Special Interest Group <aprssig@lists.tapr.org>
Message-ID: <LYR842-74399-2002.04.15-19.08.30--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

On Mon, 15 Apr 2002 WA4TKG@attbi.com wrote:

> Bob; what's with the -1 Mail call ?
> What is it's use, if you're not supposed
> to CONNECT ?

Its built into every TNC but we dont have the power to support it, since connects are too wasteful of power. ALso commanding it all the time to OFF takes more power too. So we just ask people not so use it.

Bob

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Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

---

376. [aprssig] RE: ADMIN: replying to this SIG

From: "Dave Sloan" <desloan@earthlink.net>
Date: Mon, 15 Apr 2002 15:14:49 -0600
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-74401-2002.04.15-19.27.46--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Reply to SIG.

TNX & 73
Dave N0EOP

-----Original Message-----
From: bounce-aprssig-19713@lists.tapr.org
[mailto:bounce-aprssig-19713@lists.tapr.org]On Behalf Of Stan Horzepa
Sent: Sunday, April 14, 2002 8:45 AM
To: TAPR APRS Special Interest Group
Subject: [aprssig] ADMIN: replying to this SIG

When you reply to a message on this SIG, the SIG software is set up so that you end up replying to the person that posted the message. Your reply will not be posted to the SIG unless you Reply-To-All or you add the SIG email address in the TO: field of your message.

Is this the way you like it? Many other SIGs including two others I administer are set up to reply to the SIG rather than to the person who posted the message. Would you prefer this option?

Let me know if you would prefer to reply to the SIG or reply to the person who posted the message. The majority rules!

73,

Stan, WA1LOU, SIG administrator

You are currently subscribed to aprssig as: desloan@earthlink.net
To unsubscribe send a blank email to leave-aprssig-842K@lists.tapr.org
Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

---
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Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

---

377. [aprssig] Re: ADMIN: Survey

From: Neil Johnson <njohnsn@iowatelecom.net>
Date: Mon, 15 Apr 2002 21:28:10 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: TAPR APRS Special Interest Group <aprssig@lists.tapr.org>
Message-ID: <LYR842-74416-2002.04.15-22.06.59--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Replies to SIG, It's easier to Delete the address than to type it.

-Neil

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To unsubscribe send a blank email to leave-aprssig-842K@lists.tapr.org
Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

---

378. [aprssig] Re: love that irony

From: Skip <sallison@megsinet.net>
Date: Tue, 16 Apr 2002 00:20:37 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-74435-2002.04.16-00.55.02--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Why are you going HMmmmm? I assume they wanted it to go to the sig so everyone could see everyone elses reasoning. If they did it like I did, they:

Hit "Reply all"
Deleted Stan's name from "To"
Changed the sig address from "cc" to "To"

It would have been much easier to just hit "Reply"

That's why I'd like to see it changed.

But hey - lets go with the majority. I can live with either.

Skip
K9SA

Wes Johnston wrote:
>
> < humor>
> Hmmm... Stan asked us if we wanted to change the method which we reply to
> the sig... and he asked that we answer him privately.
>
> that said.... I have seen no less than 6 replies on the sig asking that the
> "reply" vs "reply all" be changed to just "reply" to reach the sig. BUT if
> these people just hit "reply" their opinion would have gone straight to Stan
> and not to the list. Instead they hit the "reply all" button copying the
> list too.... makes me go HMmmmmmmmmmmm....
>
> lol
> < /humor>

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Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

---

379. [aprssig] Just to let people know...

From: "Mike Yetsko" <myetsko@insydesw.com>
Date: Tue, 16 Apr 2002 06:31:10 -0400
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-74443-2002.04.16-06.05.02--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Just to let people here know...

If anyone you wish to contact on the list has Charter for email, they are out pretty solid right now. They went down yesterday morning at 3am for maintenance and haven't been able to get back up since. If you respond to someone on the list and see 'Charter' in their address (and there may be others as well. Pretty much a lot of the old HSA managed accounts I'll bet) they can send but can't receive until this is straightened out.

Mike

You are currently subscribed to aprssig as: lyris.aprssig@tapr.org
To unsubscribe send a blank email to leave-aprssig-842K@lists.tapr.org
Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

380. [aprssig] Davis Vantage Pro supported?

From: "Bob Powers" <powersb@willinet.net>
Date: Tue, 16 Apr 2002 9:1:40
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-74452-2002.04.16-09.35.42--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Does anyone know if any of the APRS products (DosAPRS, WinAPRS, APRS/SA,
etc) supports the Davis Vantage Pro Weather Station?

Bob
N0YKX
powersb@arrl.net

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To unsubscribe send a blank email to leave-aprssig-842K@lists.tapr.org
Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

381. [aprssig] Re: ADMIN: replying to this SIG

From: LAIRD STANTON <LAIRD_STANTON@alexandria-emh1.army.mil>
Date: Tue, 16 Apr 2002 11:17:43 -0400
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-74460-2002.04.16-10.55.07--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

I am on a few lists over on Micaspeak(sp) where a "reply all" goes to
the list and the originator, while a "reply" only goes to the
originator. Works for me, I usually reply all.

Laird
N3HLL

-----Original Message-----
From: "Spider" <spider@rivcom.net>@AMC
Sent: Monday, April 15, 2002 5:04 AM
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Subject: [aprssig] Re: ADMIN: replying to this SIG

----- Original Message -----
From: "Stan Horzepa" <stanzepa@earthlink.net>
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Sent: Sunday, April 14, 2002 7:44 AM
Subject: [aprssig] ADMIN: replying to this SIG
(Embedded image moved to file: pic07540.pcx)
..
No, I do not like it! And, it is not a standard in any or all the
email
lists I am on or own. You can go way back to the Fidonet standards
if you
wish or now the Usenet NewsGroups. You are replying to a public
message,
which was intended to be on the list. If a list user does not wish
to reply
to the group(has a personal comment not intended for the public),
then he
has the choice. Otherwise, a reply to a group message should be to
the
group, period. That is the whole purpose of a group list.
To communicate, to share. Threads are very difficult to read when
half the
replies automatically go private.
For me, I do not like seeing two email messages showing up with the
"Reply
All".
And if the users wants private replies, they can request that in the
email.
And if people insist on replying in private, then they have missed

```
the
entire point of an group email list.

I would like to suggest you keep messages to the group, group
messages.
This is the standard.

Jim, WA6OFT






---
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To unsubscribe send a blank email to
leave-aprssig-842K@lists.tapr.org
Questions regarding the SIG go to the SIG administrator:
wa1lou@tapr.org
```

[Attachment: pic07540.pcx; application/octet-stream; 2,707 bytes]

---

382. [aprssig] Re: Davis Vantage Pro supported?

From: "Curt, WE7U" <archer@eskimo.com>
Date: Tue, 16 Apr 2002 08:43:04 -0700 (PDT)
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: TAPR APRS Special Interest Group <aprssig@lists.tapr.org>
Message-ID: <LYR842-74462-2002.04.16-11.17.09--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

```
On Tue, 16 Apr 2002, Bob Powers wrote:

> Does anyone know if any of the APRS products (DosAPRS, WinAPRS, APRS/SA,
> etc) supports the Davis Vantage Pro Weather Station?

Can we call it a "product" if it's free, and not even a loss-leader?

Xastir for Linux/FreeBSD/Solaris/MacOS X does _not_ support any
Davis weather stations.  I know 'cuz I've been into the weather
code a lot lately.

-----------------------------------------------------------------
Curt, WE7U                      archer@eskimo.com
Arlington, WA, USA              http://www.eskimo.com/~archer
"Lotto:    A tax on people who are bad at math." -- unknown
"Windows:  Microsoft's tax on computer illiterates." -- WE7U


---
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Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org
```

---

383. [aprssig] Authority? WHAT authority?

From: Earl Needham <needhame@yucca.net>
Date: Tue, 16 Apr 2002 09:49:56 -0600
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-74464-2002.04.16-11.24.17--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

```
A friend of mine is just getting into APRS, and is operating (for the time
being) APRSdos on a laptop in his truck.  Unfortunately, he doesn't have a
GPS, so he is manually entering his position from time to time.

        Just as Bob Bruninga has described doing more than a few times.

        A couple of people on the radio yesterday (I won't call them hams) tried
to tell him he shouldn't be using APRS until he got a GPS.

        Would somebody like to explain to me just how someone OTHER than the FCC
can have authority to tell someone not to operate APRS?

        Thanks,
        Earl


Earl Needham, KD5XB, Clovis, New Mexico
KD5XB-2>APW251,PCSAT-1*:=3425.83N/10313.55W-PHG7150/WinAPRS 2.5.1
-EARL_CLOVIS -251-<630>
```

Did you get a letter from Nigeria offering a "deal"? See
http://home.rica.net/alphae/419coal/ and
http://www.crimes-of-persuasion.com/Crimes/Business/nigerian.htm

---
You are currently subscribed to aprssig as: lyris.aprssig@tapr.org
To unsubscribe send a blank email to leave-aprssig-842K@lists.tapr.org
Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

384. [aprssig] Re: Authority? WHAT authority?

From: "Richard Amirault" <ramirault@erols.com>
Date: Tue, 16 Apr 2002 11:57:42 -0400
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-74465-2002.04.16-11.32.40--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

The FCC gave these folks ham licenses ... *that* (in their minds anyway)
gives them the right to tell other hams what to do. I'm sure it's in Part
97 ... somewhere ... isn't it????;-)

Richard Amirault   N1JDU   Boston,
MA, USA
ramirault@erols.com   "Go Fly A Kite"
http:// www.erols.com/ramirault
----- Original Message -----
From: "Earl Needham" <needhame@yucca.net>
Subject: [aprssig] Authority? WHAT authority?

>
> A friend of mine is just getting into APRS, and is operating (for the
time
> being) APRSdos on a laptop in his truck. Unfortunately, he doesn't have
a
> GPS, so he is manually entering his position from time to time.
>
> Just as Bob Bruninga has described doing more than a few times.
>
> A couple of people on the radio yesterday (I won't call them hams) tried
> to tell him he shouldn't be using APRS until he got a GPS.
>
> Would somebody like to explain to me just how someone OTHER than the FCC
> can have authority to tell someone not to operate APRS?

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Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

385. [aprssig] Re: Authority? WHAT authority?

From: "Ronald Reams" <wa4mjf@worldnet.att.net>
Date: Tue, 16 Apr 2002 11:59:48 -0400
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-74466-2002.04.16-11.33.08--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

I wonder how he gets his Lat/Lon without
a GPS unless he stops at bench marks.

Seems kinda inefficient.

73 de Ronnie

----- Original Message -----
From: "Earl Needham" <needhame@yucca.net>
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Sent: Tuesday, April 16, 2002 11:49
Subject: [aprssig] Authority? WHAT authority?

A friend of mine is just getting into APRS, and is operating (for the time
being) APRSdos on a laptop in his truck. Unfortunately, he doesn't have a
GPS, so he is manually entering his position from time to time.

Just as Bob Bruninga has described doing more than a few times.

A couple of people on the radio yesterday (I won't call them hams) tried
to tell him he shouldn't be using APRS until he got a GPS.

Would somebody like to explain to me just how someone OTHER than the FCC
can have authority to tell someone not to operate APRS?

Thanks,
Earl

Earl Needham, KD5XB, Clovis, New Mexico
KD5XB-2>APW251,PCSAT-1*:=3425.83N/10313.55W-PHG7150/WinAPRS 2.5.1
-EARL_CLOVIS -251-<630>
Did you get a letter from Nigeria offering a "deal"? See
http://home.rica.net/alphae/419coal/ and
http://www.crimes-of-persuasion.com/Crimes/Business/nigerian.htm

---
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To unsubscribe send a blank email to leave-aprssig-842K@lists.tapr.org
Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

386. [aprssig] Re: Authority? WHAT authority?

From: "Richard Amirault" <ramirault@erols.com>
Date: Tue, 16 Apr 2002 12:05:42 -0400
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-74467-2002.04.16-11.41.05--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

No as efficient as a GPS .. but not too difficult. You look at the screen,
and put the cursor where you are, then hit (I think) F8   APRSdos then
sends out *that* position as your (new) location. It works best when you
are on a road or highway that is shown on the map of course.

Richard Amirault   N1JDU   Boston,
MA, USA
ramirault@erols.com   "Go Fly A Kite"
http:// www.erols.com/ramirault
----- Original Message -----
From: "Ronald Reams" <wa4mjf@worldnet.att.net>
Subject: [aprssig] Re: Authority? WHAT authority?

> I wonder how he gets his Lat/Lon without
> a GPS unless he stops at bench marks.
>
> Seems kinda inefficient.

You are currently subscribed to aprssig as: lyris.aprssig@tapr.org
To unsubscribe send a blank email to leave-aprssig-842K@lists.tapr.org
Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

387. [aprssig] REF: Authority? WHAT authority?

From: Matthew Stennett <WA4TKG@attbi.com>
Date: Tue, 16 Apr 2002 12:45:19 -0400
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: TAPR APRS Special Interest Group <aprssig@lists.tapr.org>
Message-ID: <LYR842-74476-2002.04.16-12.19.17--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

What a JOKE!!

I have NEVER had a GPS unit hooked up for APRS use, and I've
been on it almost since it's INCEPTION!
(the only reason I hadn't been, is that the ftp server where I was @
the time didn't allow me access to that particular site, I wrote 'em
a message, and the next day; BINGO, I downloaded APRS)

You are ALWAYS going to have some of these types around Earl,
they ALWAYS know BETTER than YOU.
....like one of the people that's already made a reply to your message!
Whatever.

Earl Needham wrote:

```
>         A friend of mine is just getting into APRS, and is operating (for the time
> being) APRSdos on a laptop in his truck.  Unfortunately, he doesn't have a
> GPS, so he is manually entering his position from time to time.
>
>         Just as Bob Bruninga has described doing more than a few times.
>
>         A couple of people on the radio yesterday (I won't call them hams) tried
> to tell him he shouldn't be using APRS until he got a GPS.
>
>         Would somebody like to explain to me just how someone OTHER than the FCC
> can have authority to tell someone not to operate APRS?
>
>         Thanks,
>         Earl
>
> Earl Needham, KD5XB, Clovis, New Mexico
> KD5XB-2>APW251,PCSAT-1*:=3425.83N/10313.55W-PHG7150/WinAPRS 2.5.1
> -EARL_CLOVIS -251-<630>
> Did you get a letter from Nigeria offering a "deal"?  See
> http://home.rica.net/alphae/419coal/ and
> http://www.crimes-of-persuasion.com/Crimes/Business/nigerian.htm
>
> ---
> You are currently subscribed to aprssig as: WA4TKG@attbi.com
> To unsubscribe send a blank email to leave-aprssig-842K@lists.tapr.org
> Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org
```

You are currently subscribed to aprssig as: lyris.aprssig@tapr.org
To unsubscribe send a blank email to leave-aprssig-842K@lists.tapr.org
Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

---

388. [aprssig] Question - Using Garmin eTrex with Tiger Trak TM-1

From: "J.Duffy Beischel" <wb8nut@arrl.net>
Date: Tue, 16 Apr 2002 11:54:32
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-74477-2002.04.16-12.28.29--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

John at Tigertronics informed me that he does not believe that the Garmin eTrex will work with their tracking interface since it operates on 3 volts only and the Tiger Trak needs to see a standard 5v at the serial port. Has anyone else experience this? Does the Garmin 12 v adapter drop the voltage to 3 v or is there an internal regulator inside the Garmin that puts it at 5 v and only presents a problem if the unit runs on batteries. Need an answer fast if he is to get it out today.

Thanks,

Duffy

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To unsubscribe send a blank email to leave-aprssig-842K@lists.tapr.org
Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

---

389. [aprssig] Re: Davis Vantage Pro supported?

From: Alex <kr1st@amsat.org>
Date: Tue, 16 Apr 2002 12:53:45 -0400
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-74478-2002.04.16-12.28.42--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

"Curt, WE7U" wrote:

```
>
> On Tue, 16 Apr 2002, Bob Powers wrote:
>
> > Does anyone know if any of the APRS products (DosAPRS, WinAPRS, APRS/SA,
> > etc) supports the Davis Vantage Pro Weather Station?
>
> Can we call it a "product" if it's free, and not even a loss-leader?
```

Yes, because it is a product _of_ something. In this case, labor.

....but then again, that may just be a product of my imagination.

```
73s,
--Alex

---
You are currently subscribed to aprssig as: lyris.aprssig@tapr.org
To unsubscribe send a blank email to leave-aprssig-842K@lists.tapr.org
Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org
```

390. [aprssig] Re: REF: Authority? WHAT authority?

```
From: "Ronald Reams" <wa4mjf@worldnet.att.net>
Date: Tue, 16 Apr 2002 12:58:37 -0400
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-74481-2002.04.16-12.32.07--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain
```

```
Well, I can't speak for other parts of the country, but around here
all the mobile trackers use a GPS.    Most popular is one called
trip mate.  I use a Magellan my own self.

They're used for special event support and SKYWARN
mostly.

I guess you could get out your topo map and get a coordiante,
but heck even soldiers these days use GPS and probably would
be as lost as a 2LT tryin' to read map  :-)

Also, requires you to use a 'puter while you're driven
which isn't safe.

73 de Ronnie


----- Original Message -----
From: "Matthew Stennett" <WA4TKG@attbi.com>
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Sent: Tuesday, April 16, 2002 12:45
Subject: [aprssig] REF: Authority? WHAT authority?


What a JOKE!!

I have NEVER had a GPS unit hooked up for APRS use, and I've
been on it almost since it's INCEPTION!
(the only reason I hadn't been, is that the ftp server where I was @
the time didn't allow me access to that particular site, I wrote 'em
a message, and the next day; BINGO, I downloaded APRS)

You are ALWAYS going to have some of these types around Earl,
they ALWAYS know BETTER than YOU.
....like one of the people that's already made a reply to your message!
Whatever.


Earl Needham wrote:

>         A friend of mine is just getting into APRS, and is operating (for
the time
> being) APRSdos on a laptop in his truck.  Unfortunately, he doesn't have a
> GPS, so he is manually entering his position from time to time.
>
>         Just as Bob Bruninga has described doing more than a few times.
>
>         A couple of people on the radio yesterday (I won't call them hams)
tried
> to tell him he shouldn't be using APRS until he got a GPS.
>
>         Would somebody like to explain to me just how someone OTHER than
the FCC
> can have authority to tell someone not to operate APRS?
>
>         Thanks,
>         Earl
>
> Earl Needham, KD5XB, Clovis, New Mexico
> KD5XB-2>APW251,PCSAT-1*:=3425.83N/10313.55W-PHG7150/WinAPRS 2.5.1
> -EARL_CLOVIS -251-<630>
> Did you get a letter from Nigeria offering a "deal"?  See
> http://home.rica.net/alphae/419coal/ and
```

> http://www.crimes-of-persuasion.com/Crimes/Business/nigerian.htm
>

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To unsubscribe send a blank email to leave-aprssig-842K@lists.tapr.org
Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

391. [aprssig] Re: Authority? WHAT authority?

From: "Randy Farley" <RFarley@woodgrain.com>
Date: Tue, 16 Apr 2002 10:58:40 -0600
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-74482-2002.04.16-12.35.21--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Hi Earl

Not sure what the "other" hams basis for their discouragement of manual lat/lon entries are?
I'm sure they are "seasoned" experts trying to flaunt their "expertise".

Actually it sounds like they dont understand APRS themselves. That is one of the misconceptions
a lot of people have about APRS in the ham community when i talk to them. Many think they can't work
APRS without a gps, so they don't. I tell them to forget about buying a gps until you work the mode
on the computer. Of couse i cannot see anyone nowadays not owning a gps, but that is another topic.

Your right about the critics not being hams. Their actions are the type that run new people
out of the hobby. I know several new hams that got started in different RF modes and the so
called experts just drove them off with their negative comments.

If he knows his lat/lon manually, i see nothing wrong with that. GPS's are just a tool
and they even make mistakes. How many time have we seen hams at 00.00N/00.00E
off the west coast of Africa with a gps unit ;)

Encouragement and POLITE help goes a lot further than reading "Part 97" to them
right off the starting blocks. Just hope your friend does not loose interest. We were
all beginners at one time.

BTW, i am replying to ALL which makes sense to me, but then i'm not an expert ;)

regards

Randy Farley
N7GPS

>>> Earl Needham <needhame@yucca.net> 04/16/02 09:49AM >>>

A friend of mine is just getting into APRS, and is operating (for the time
being) APRSdos on a laptop in his truck. Unfortunately, he doesn't have a
GPS, so he is manually entering his position from time to time.

Just as Bob Bruninga has described doing more than a few times.

A couple of people on the radio yesterday (I won't call them hams) tried
to tell him he shouldn't be using APRS until he got a GPS.

Would somebody like to explain to me just how someone OTHER than the FCC
can have authority to tell someone not to operate APRS?

Thanks,
Earl

Earl Needham, KD5XB, Clovis, New Mexico
KD5XB-2>APW251,PCSAT-1*:=3425.83N/10313.55W-PHG7150/WinAPRS 2.5.1
-EARL_CLOVIS -251-<630>
Did you get a letter from Nigeria offering a "deal"? See
http://home.rica.net/alphae/419coal/ and
http://www.crimes-of-persuasion.com/Crimes/Business/nigerian.htm

---
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```

392. [aprssig] was Re: Authority? is aprsDOS feature

From: "Guy Story, KC5GOI" <kc5goi@kc5goi.net>
Date: Tue, 16 Apr 2002 12:00:09 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-74483-2002.04.16-12.44.19--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

```
AH, now that is a really cool feature.  Good thinking Bob.  You could do a
simular thing in APRS+.  You can tell it to capture your lat/long from Street
Atlas.  A round about way but possible.

73

Guy

On Tuesday 16 April 2002 11:05 am, Richard Amirault wrote:
> No as efficient as a GPS .. but not too difficult.  You look at the screen,
> and put the cursor where you are, then hit (I think) F8   APRSdos then
> sends out *that* position as your (new) location. It works best when you
> are on a road or highway that is shown on the map of course.
>
> Richard Amirault                          N1JDU                 Boston,

---
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```

393. [aprssig] Re: Question - Using Garmin eTrex with Tiger Trak TM-1

From: Matt Steinhoff <mls@steinhoff.net>
Date: Tue, 16 Apr 2002 13:13:41 -0400
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-74485-2002.04.16-12.48.26--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

```
> Does the Garmin 12 v adapter drop the voltage to 3 v or
> is there an internal regulator inside the Garmin that
> puts it at 5 v and only presents a problem if the unit
> runs on batteries.

    Having fried an eTrex Legend by feeding it 12V assuming
it would have an internal voltage regulator like its bigger
brothers, I can say that 3V is required. Don't give it more
than that.

    Matt (k4mls)

---
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```

394. [aprssig] Re: Question - Using Garmin eTrex with Tiger Trak TM-1

From: "Mike Yetsko" <myetsko@insydesw.com>
Date: Tue, 16 Apr 2002 13:16:21 -0400
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-74495-2002.04.16-12.51.59--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

```
I don't know about the Tiger unit, but I can tell you the ETrex is 3v.  I
bought my son one for Christmas, and the car adapter drops to 3v.
(But to be ABSOLUTELY sure, I'd have to go check.)

I remember seeing some stuff on web pages about modifying some CD
player and phone car adapters to use with the ETrex and get 3v.

Mike


----- Original Message -----
From: "J.Duffy Beischel" <wb8nut@arrl.net>
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Sent: Tuesday, April 16, 2002 11:54 AM
```

```
Subject: [aprssig] Question - Using Garmin eTrex with Tiger Trak TM-1


> John at Tigertronics informed me that he does not believe that the
Garmin
> eTrex will work with their tracking interface since it operates on 3
volts
> only and the Tiger Trak needs to see a standard 5v at the serial port.
Has
> anyone else experience this?  Does the Garmin 12 v adapter drop the
voltage
> to 3 v or is there an internal regulator inside the Garmin that puts it
at
> 5 v and only presents a problem if the unit runs on batteries.  Need an
> answer fast if he is to get it out today.
>
> Thanks,
>
> Duffy
>
> ---
> You are currently subscribed to aprssig as: myetsko@insydesw.com
> To unsubscribe send a blank email to leave-aprssig-842K@lists.tapr.org
> Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org
>
>



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395. [aprssig] Re: Authority? WHAT authority?

From: Earl Needham <needhame@yucca.net>
Date: Tue, 16 Apr 2002 11:18:28 -0600
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-74498-2002.04.16-12.53.47--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

```
At 10:58 AM 4/16/2002 -0600, Randy Farley wrote:
><snip>
>Your right about the critics not being hams.

         Anybody in Austin, Texas want to chime in here?

         Probably not, as that's where these guys were.

         Perhaps the same ones who constantly QRM the Armadillo Intertie...

         7 3
         Earl


Earl Needham, KD5XB, Clovis, New Mexico
KD5XB-2>APW251,PCSAT-1*:=3425.83N/10313.55W-PHG7150/WinAPRS 2.5.1
-EARL_CLOVIS -251-<630>
Did you get a letter from Nigeria offering a "deal"?  See
http://home.rica.net/alphae/419coal/ and
http://www.crimes-of-persuasion.com/Crimes/Business/nigerian.htm



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```

396. [aprssig] Re: ADMIN: replying to this SIG

From: k9soa@att.net
Date: Tue, 16 Apr 2002 17:47:05 +0000
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: aprssig@lists.tapr.org
Message-ID: <LYR842-74502-2002.04.16-13.21.03--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

```
What if the only option you have is REPLY?  Then any
replies go to the sender not the list without modifying
EVERY MESSAGE.  All replies to questions/problems do not
show up on the SIG and are lost to anyone else that
```

would be interested in the answers without YET ANOTHER
question to the SIG for the same answer.

If all went to the SIG, you could easily change to the
sender. I would guess that most replies would be of
interest to others on the SIG and any that are not
SHOULD BE TAKEN PRIVATE.

--
Don

www.k9soa.net (EM77EW)

Home of "JEANNIE"
The House That Listens
Using HAL2000 by Home Automated
Living
Seen on HGTV's Dream Builder show

Featured Home of the Month
Home Automation Magazine March 2002
> I am on a few lists over on Micaspeak(sp) where
a "reply all" goes to
> the list and the originator, while a "reply" only goes
to the
> originator. Works for me, I usually reply all.
>
> Laird
> N3HLL
>
>   -----Original Message-----
>   From: "Spider" <spider@rivcom.net>@AMC
>   Sent: Monday, April 15, 2002 5:04 AM
>   To: "TAPR APRS Special Interest Group"
<aprssig@lists.tapr.org>
>   Subject: [aprssig] Re: ADMIN: replying to this SIG
>
>
>
>   ----- Original Message -----
>   From: "Stan Horzepa" <stanzepa@earthlink.net>
>   To: "TAPR APRS Special Interest Group"
<aprssig@lists.tapr.org>
>   Sent: Sunday, April 14, 2002 7:44 AM
>   Subject: [aprssig] ADMIN: replying to this SIG
>   (Embedded image moved to file: pic07540.pcx)
>   ..
>   No, I do not like it! And, it is not a standard in
any or all the
>   email
>   lists I am on or own. You can go way back to the
Fidonet standards
>   if you
>   wish or now the Usenet NewsGroups. You are
replying to a public
>   message,
>   which was intended to be on the list. If a list
user does not wish
>   to reply
>   to the group(has a personal comment not intended
for the public),
>   then he
>   has the choice. Otherwise, a reply to a group
message should be to
>   the
>   group, period. That is the whole purpose of a
group list.
>   To communicate, to share. Threads are very
difficult to read when
>   half the
>   replies automatically go private.
>   For me, I do not like seeing two email messages
showing up with the
>   "Reply
>   All".
>   And if the users wants private replies, they can
request that in the
>   email.
>   And if people insist on replying in private, then

```
they have missed
>    the
>    entire point of an group email list.
>
>    I would like to suggest you keep messages to the
group, group
>    messages.
>    This is the standard.
>
>    Jim, WA6OFT
>
>
>
>
>
>
>    ---
>    You are currently subscribed to aprssig as:
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>    To unsubscribe send a blank email to
>    leave-aprssig-842K@lists.tapr.org
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administrator:
>    wa1lou@tapr.org

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---

397. [aprssig] Re: Authority? WHAT authority?

From: k9soa@att.net
Date: Tue, 16 Apr 2002 17:50:35 +0000
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: aprssig@lists.tapr.org
Message-ID: <LYR842-74503-2002.04.16-13.24.35--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

```
WHAT?????    A ham can tell another ham what he can
transmit or what equipment he HAS TO HAVE?

OK if you don't have all YAESU, stay off the air.

--
Don

www.k9soa.net  (EM77EW)

Home of "JEANNIE"
The House That Listens
Using HAL2000 by Home Automated
Living
Seen on HGTV's Dream Builder show

Featured Home of the Month
Home Automation Magazine March 2002
> The FCC gave these folks ham licenses ... *that* (in their minds anyway)
> gives them the right to tell other hams what to do.  I'm sure it's in Part
> 97 ... somewhere ... isn't it????;-)
>
> Richard Amirault                          N1JDU                 Boston,
> MA, USA
> ramirault@erols.com              "Go Fly A Kite"
> http:// www.erols.com/ramirault
> ----- Original Message -----
> From: "Earl Needham" <needhame@yucca.net>
> Subject: [aprssig] Authority? WHAT authority?
>
>
> >
> > A friend of mine is just getting into APRS, and is operating (for the
> time
> > being) APRSdos on a laptop in his truck.  Unfortunately, he doesn't have
> a
> > GPS, so he is manually entering his position from time to time.
> >
> > Just as Bob Bruninga has described doing more than a few times.
> >
> > A couple of people on the radio yesterday (I won't call them hams) tried
> > to tell him he shouldn't be using APRS until he got a GPS.
> >
> > Would somebody like to explain to me just how someone OTHER than the FCC
> > can have authority to tell someone not to operate APRS?
>
>
> ---
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398. [aprssig] Re: Question - Using Garmin eTrex with Tiger Trak TM-1

From: k9soa@att.net
Date: Tue, 16 Apr 2002 17:55:13 +0000
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: aprssig@lists.tapr.org
Message-ID: <LYR842-74506-2002.04.16-13.29.13--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

```
The Garmin adapter I have outputs 3v regulated.

I use the eMap but I believe the unit is the same one
used for the eTrex.

--
Don

www.k9soa.net  (EM77EW)

Home of "JEANNIE"
The House That Listens
Using HAL2000 by Home Automated
Living
Seen on HGTV's Dream Builder show

Featured Home of the Month
Home Automation Magazine March 2002
> > Does the Garmin 12 v adapter drop the voltage to 3 v or
> > is there an internal regulator inside the Garmin that
> > puts it at 5 v and only presents a problem if the unit
> > runs on batteries.
>
>     Having fried an eTrex Legend by feeding it 12V assuming
> it would have an internal voltage regulator like its bigger
> brothers, I can say that 3V is required. Don't give it more
> than that.
>
>     Matt (k4mls)
>
> ---
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> To unsubscribe send a blank email to leave-aprssig-842K@lists.tapr.org
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>

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Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org
```

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399. [aprssig] Re: Question - Using Garmin eTrex with Tiger Trak TM-1

From: "J.Duffy Beischel" <wb8nut@arrl.net>
Date: Tue, 16 Apr 2002 13:35:40
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-74510-2002.04.16-14.09.34--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

```
I guess I did not state this very clearly.  The 3v power that the eTrex
uses, Tigertronics claims, does not provide enough voltage to the eTrex
circuit so that the signal output on the serial port from the eTrex is a
non-standard 3v and not 5v as the TigerTrak unit is expecting (and an
industry standard for serial connections so he says - heck I have no idea).
 As the standard for voltage on a serial port is 5v and therefore the
```

signal coming over the serial port is "not strong enough" to be able to be understood by the TigerTrak unit and hence it does not see the eTrex. The question is - is anyone out there able to use a Garmin eTrex GPS unit of any type with the TigerTrak unit? Did you have to do anything special? Is the TigerTrak unit able to see the eTrex GPS unit - especially when the eTrex is running on 3v battery power?

Tigertronics says it just won't work with eTrex. That some guy had a problem and that's what they attributed it to. I wonder if the guy that had the eTrex unit did not maybe use a null modem in-between because I understand that is what is required.

Hope this description is better than my last one.

Thanks,

Duffy

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---

400. [aprssig] Re: Authority? WHAT authority?

From: Bob Bruninga <bruninga@usna.edu>
Date: Tue, 16 Apr 2002 15:02:45 -0400 (EDT)
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: TAPR APRS Special Interest Group <aprssig@lists.tapr.org>
Message-ID: <LYR842-74513-2002.04.16-14.36.45--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

On Tue, 16 Apr 2002, Earl Needham wrote:

> A friend of mine is just getting into APRS, and is operating (for the time being) APRSdos on a laptop in his truck. Unfortunately, he doesn't have a GPS, so he is manually entering his position from time to time.
>
> Just as Bob Bruninga has described doing more than a few times.

Actually, this works very well if done properly. Here are the assumptions that make this work quite well. And it also might suggest why some client software operators DONT like it... when they see the guy on their displays.

1) Manually entered APRSdos positions automatically incorporate ambiguity based on the scale of the map used to enter the position. THus, his estimated positions should only show up as a circle of probability on everyone else's displays and not exact ICON's at precise locations (usually wrong).

2) Unfortunately, Some client software does not support this fundamental aspect of APRS and so those people see no difference between an exact GPS ICON and a 1 mile ambiguous position. But that is a problem of their own display software not conveying position ambiguity unambiguously to the viewer, and is not the problem of the sender.

3) APRSdos deadreckons the moving APRSdos senders position moving right down the highway. So although the sender only enters one posit at the start of his commute, on all APRSdos displays his 1, 2, 3, 5 and 7 minute following position reports will make him appear to move on down the highway (on ARPSdos). But those people with client software that does not automatically dead reckon will just see 5 different FIXED positions at the starting location and nothging else. Again, the error is in their display software, not the senders...

> A couple of people on the radio yesterday (I won't call them hams) tried
> to tell him he shouldn't be using APRS until he got a GPS.

If they are complaining because of what I guess above, then the problem is their display software and they should not complain to the sender, but upgrade their software to a model that works correctly...

But then these are only guesses as to things that "could be" wrong. I have no idea otherwise what they must be complaining about though I would be curious..

Bob

```
---
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Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org
```

401. [aprssig] Re: Authority? WHAT authority?

From: Bob Bruninga <bruninga@usna.edu>
Date: Tue, 16 Apr 2002 15:07:00 -0400 (EDT)
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: TAPR APRS Special Interest Group <aprssig@lists.tapr.org>
Message-ID: <LYR842-74514-2002.04.16-14.41.03--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

```
On Tue, 16 Apr 2002, Ronald Reams wrote:

> I wonder how he gets his Lat/Lon without
> a GPS unless he stops at bench marks.

Maps.  As you drive along a highway, simply move the cursor to where you
are and hit ENTER.  APRSdos instantly updates you to that location and
reports that to everyone... including your course and speed.  And since
APRS is supposed to dead-reckon all moving objects, then the sender only
needs to do this when he changes course.  All the rest of the time,
everyone's maps are supposed to be moving the ICON along by themselves...

> Seems kinda inefficient.

But it always works, and doesnt need a GPS, or dangly cables, and can work
anywhere, including underground.... <grin>...

Bob



---
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Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org
```

402. [aprssig] Re: was Re: Authority? is aprsDOS feature

From: Bob Bruninga <bruninga@usna.edu>
Date: Tue, 16 Apr 2002 15:19:54 -0400 (EDT)
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: TAPR APRS Special Interest Group <aprssig@lists.tapr.org>
Message-ID: <LYR842-74516-2002.04.16-14.54.00--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

```
On Tue, 16 Apr 2002, Guy Story, KC5GOI wrote:

> AH, now that is a really cool feature.  Good thinking Bob.  You could do a
> simular thing in APRS+.  You can tell it to capture your lat/long from Street
> Atlas.  A round about way but possible.

Actually that is how APRS began!  We couldnt afford $1000 GPS's back then
so you just entered yoru starting location and CSE and SPEED to get you
to work.  THen your ICON would move on everyones screens until you got to
work.  I just set the staright line from home to work and an average
speed that would get my ICON to work at the same time I did.

As long as my commute was nominal, then my ICON moving on everyone else's
display and My real car arrive at work about the same time.  No other
inputs required.  In APRS, you only have to manually refresh your "input"
when you "change" your course or speed.

What constitutes a "change" depends only on you the sender and what you
want "receivers" to see.  I want them to see how far along I was to work.
The dead-reckoned moving ICON was just as accurate as it needs to be to
show that.  THe fact that I make a zillion little stops, starts, tunrns
and curves to work is meaningless to that objective.  THus, it wasnt until
the year 2000 that I finally put a GPS in my car.  ALl the rest of the
time, eveyrone could see where I was sufficiently for the commute at hand.

It wasnt until recently that I have discovered that only other APRSdos
users were actually seeing my ICON moving smoothly to work, because most
follow-on "aprs" software was not doing deadreckoning..

Bob
```

```
> > 73 > > Guy
>
> On Tuesday 16 April 2002 11:05 am, Richard Amirault wrote:
> > No as efficient as a GPS .. but not too difficult.  You look at the screen,
> > and put the cursor where you are, then hit (I think) F8   APRSdos then
> > sends out *that* position as your (new) location. It works best when you
> > are on a road or highway that is shown on the map of course.
> >
> > Richard Amirault                           N1JDU                 Boston,
>
> ---
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>

de WB4APR@amsat.org, Bob

PCsat WEB  page     http://www.ew.usna.edu/~bruninga/pcsat.html
ISS-APRS FAQ:       http://www.ew.usna.edu/~bruninga/iss-faq.html
CUBESAT Designs     http://www.ew.usna.edu/~bruninga/cubesat.html
APRS LIVE pages     http://www.ew.usna.edu/~bruninga/aprs.html
APRS SATELLITES     http://www.ew.usna.edu/~bruninga/astars.html
MIM/Mic-E/Mic-Lite  http://www.toad.net/~wclement/bruninga/mic-lite.html


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```

403. [aprssig] Re: Authority? WHAT authority?

From: "Mike Yetsko" <myetsko@insydesw.com>
Date: Tue, 16 Apr 2002 15:27:33 -0400
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-74518-2002.04.16-15.03.03--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

```
Geesh, next thing you know they'll have fits about people who play dummy
tracks to test!  (Or for other purposes...  Like the guy who found out his
ex-wifes attorney was asking a few HAMs how to monitor APRS, so the
guy set up his home PC to play a dummy track one weeked while he went
elsewhere...)

Not that we'd EVER do that to be deceptive...

Mike



---
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```

404. [aprssig] Re: Question - Using Garmin eTrex with Tiger Trak TM-1

From: "Mike Yetsko" <myetsko@insydesw.com>
Date: Tue, 16 Apr 2002 15:31:59 -0400
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-74519-2002.04.16-15.07.23--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

```
I believe Industry spec is +/- 25v unloaded max, with a +/- 3v
swing under a standard load.  As long as the transmitter can meet the
+/- 3v swing under a standard load it should be fine.  And while not
to spec, most parts work if the signal goes to 0v, or close to it.  It's
just that the spec is 'undefined' in that window from -3 to +3.

As far as I know, there is NO spec that says it must be 5v.  Anywhere.
If I'm wrong, I'm sure a bunch of people will chime in.

There were a few TI parts a number of years ago that had some
weird issues if the swing wasn't balanced, but I don't remember the
actual problem.

Mike
```

----- Original Message -----
From: "J.Duffy Beischel" <wb8nut@arrl.net>
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Sent: Tuesday, April 16, 2002 1:35 PM
Subject: [aprssig] Re: Question - Using Garmin eTrex with Tiger Trak TM-1

> I guess I did not state this very clearly. The 3v power that the eTrex
> uses, Tigertronics claims, does not provide enough voltage to the eTrex
> circuit so that the signal output on the serial port from the eTrex is a
> non-standard 3v and not 5v as the TigerTrak unit is expecting (and an
> industry standard for serial connections so he says - heck I have no
idea).
> As the standard for voltage on a serial port is 5v and therefore the
> signal coming over the serial port is "not strong enough" to be able to
be
> understood by the TigerTrak unit and hence it does not see the eTrex.
The
> question is - is anyone out there able to use a Garmin eTrex GPS unit of
> any type with the TigerTrak unit? Did you have to do anything special?
Is
> the TigerTrak unit able to see the eTrex GPS unit - especially when the
> eTrex is running on 3v battery power?
>
> Tigertronics says it just won't work with eTrex. That some guy had a
> problem and that's what they attributed it to. I wonder if the guy that
> had the eTrex unit did not maybe use a null modem in-between because I
> understand that is what is required.
>
> Hope this description is better than my last one.
>
> Thanks,
>
> Duffy
>
> ---
> You are currently subscribed to aprssig as: myetsko@insydesw.com
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> Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org
>
>

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---

405. [aprssig] Re: Question - Using Garmin eTrex with Tiger Trak TM-1

From: Michael Martens <kb9vbr@yahoo.com>
Date: Tue, 16 Apr 2002 12:39:09 -0700 (PDT)
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-74522-2002.04.16-15.13.11--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

I've used an Extrex with the Tigertrack. It will work
for a while, then it will all of a sudden lose lock
and start transmitting erroneous packets. It was like
the decimal in the Lat and lon would be transposed, so
my station would end up off the map. I attributed the
problem to the power, as the Etrex would be running
off the batteries. It seemed that as the battery
voltage dropped, I would have more trouble with the
GPS.

I don't use an Etrex on my Tigertrack anymore. I have
a GPS-35 that I picked up at a hamfest. It works
wonderfully with the Tigertrak.

As a side note. I use my Etrex on a AEA PK-12 and
never have any problems with it. I've also used it on
KPC-3+ without any problems, so this issue seems to be
isolated to the Tigertraks.

Michael

```
__________________________________________________
Do You Yahoo!?
Yahoo! Tax Center - online filing with TurboTax
http://taxes.yahoo.com/

---
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```

---

406. [aprssig] Using PDA GPS with Tiger Trak TM-1

From: "WL7FT" <wl7ft@mmcable.com>
Date: Tue, 16 Apr 2002 14:49:49 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-74523-2002.04.16-15.19.22--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

```
Does anyone have experience with using a PDA GPS unit with the tiger track
or for that matter with APRS applications?  I have a Visor "Neo" which I am
interested in using with a GPS/APRS application.  Magellan makes a GPS unit
for the NEO, but I can't get ayone to tell me if the cardle on the NEO sends
NMEA data to/from it.


HELP?

Mark Hamblin
wl7ft@mmcable.com
---
Outgoing mail is certified Virus Free.
Checked by AVG anti-virus system (http://www.grisoft.com).
Version: 6.0.346 / Virus Database: 194 - Release Date: 4/10/2002


---
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```

---

407. [aprssig] Re: Question - Using Garmin eTrex with Tiger Trak TM-1

From: "J. Lance Cotton" <joecotton@mac.com>
Date: Tue, 16 Apr 2002 14:54:12 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-74526-2002.04.16-15.28.18--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

```
I am not sure about the serial port voltages on the eTrex, but the 12v
adapter does, indeed, supply only 3.0 or 3.3 volts to the eTrex.

>From what I understand, the eTrex doesn't even have an internal voltage
regulator and will be destroyed if you feed it any more that 3 or so volts.

However, it does advertise a RS-232 port. While the "specs" talk about +-10v
(or something even more)
swings, many devices get away with much less than that. I've not had a
problem connecting my eTrex's to Desktop PCs, Macs, laptops, TinyTraks or
PIC microcontrollers.

It's a good bet that someone else on the list has used an eTrex with the
TM-1 and can give some real, empirical answer.

Best regards,
--
Lance Cotton, KJ5O
joecotton@mac.com
http://map.findu.com/kj5o-14
----- Original Message -----
From: "J.Duffy Beischel" <wb8nut@arrl.net>
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Sent: Tuesday, April 16, 2002 11:54 AM
Subject: [aprssig] Question - Using Garmin eTrex with Tiger Trak TM-1


> John at Tigertronics informed me that he does not believe that the Garmin
> eTrex will work with their tracking interface since it operates on 3 volts
> only and the Tiger Trak needs to see a standard 5v at the serial port.
Has
> anyone else experience this?  Does the Garmin 12 v adapter drop the
voltage
```

> to 3 v or is there an internal regulator inside the Garmin that puts it at
> 5 v and only presents a problem if the unit runs on batteries. Need an
> answer fast if he is to get it out today.
>
> Thanks,
>
> Duffy
>
> ---
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>
>

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---

408. [aprssig] Re: was Re: Authority? is aprsDOS feature

From: "Randy Farley" <RFarley@woodgrain.com>
Date: Tue, 16 Apr 2002 13:53:34 -0600
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: <aprssig@lists.tapr.org>
Message-ID: <LYR842-74527-2002.04.16-15.28.38--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

We got it now (DR) in APRS+ and i love it. Now people who say, " I don't have a gps so i cannot play", have no excuse . Actually i forgot about this feature after i bought my first gps. I always showed this feature to newbies when i ran APRSdos to get them "jacked".

Thanks Bob for all the innovations. In fact,to all the authors out there, keep up the great work. It is really appreciated by me.

<snip>

It wasnt until recently that I have discovered that only other APRSdos
users were actually seeing my ICON moving smoothly to work, because most
follow-on "aprs" software was not doing deadreckoning..

Bob

regards

Randy Farley
N7GPS

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---

409. [aprssig] Baker to Vegas on findU

From: Steve Dimse <k4hg@tapr.org>
Date: Tue, 16 Apr 2002 15:56:50 -0400
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-74528-2002.04.16-15.32.07--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

I have zooming and display of APRSdos maps working on the Baker to
Vegas page, as well as a table that calculates the position of each
tracker on the course. Of course, the results are a little strange
given that most trackers haven't been activated, and the active ones
are 100 or more miles away. I have a couple of test calls in there
with positions which fall on the course.

http://b2v.findu.com/

This APRSdos map implementation will only work on dynamic web pages,
(which means only I can write pages like this) so don't ask! I have a
volunteer working on a javascript implementation that should allow
anyone to add this to their own pages. Stay tuned...

Steve K4HG

```
---
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```

410. [aprssig] Re: Authority? WHAT authority?

From: Ryan Tourge <ryrto@yahoo.com>
Date: Tue, 16 Apr 2002 12:58:06 -0700 (PDT)
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-74529-2002.04.16-15.33.50--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

```
These people that criticized the ham most likely use a
GPS and most likely have been using APRS for a while.
Your friend doesn't have a GPS unit now and probably
wouldn't need one otherwise. If this is the case his
sole purpose for the gps would be for APRS use. Those
people posing as the APRS Police probably don't
realize that this person is just trying out APRS
before he goes and invests in a GPS.

Or he could be saving his pennies to get a unit that
will do everything he needs and wants to try APRS
until then.

Yet another or!

Or he could be using it to communicate with a friend
or family members by sending messages. A valid use for
APRS. There are few truckers that go through my area
frequently and use it for that reason.

Someone said that his way of doing it might be
inefficient. It may be for tracking but for learning
more about APRS or keeping in touch with others it is
highly efficient.

Ryan
N2YQT



<snip>
--- Earl Needham <needhame@yucca.net> wrote:
>
>       A friend of mine is just getting into APRS, and is
> operating (for the time
> being) APRSdos on a laptop in his truck.
> Unfortunately, he doesn't have a
> GPS, so he is manually entering his position from
> time to time.
>
>       Just as Bob Bruninga has described doing more than
> a few times.
>
>       A couple of people on the radio yesterday (I won't
> call them hams) tried
> to tell him he shouldn't be using APRS until he got
> a GPS.
>
>       Thanks,
>       Earl
<end snip>

__________________________________________________
Do You Yahoo!?
Yahoo! Tax Center - online filing with TurboTax
http://taxes.yahoo.com/

---
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```

411. [aprssig] Re: Question - Using Garmin eTrex with Tiger Trak TM-1

From: "Lance Cotton" <joecotton@mac.com>
Date: Tue, 16 Apr 2002 13:23:55 -0500

To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-74541-2002.04.16-17.07.59--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

I am not sure about the serial port voltages on the eTrex, but the 12v
adapter does, indeed, supply only 3.0 or 3.3 volts to the eTrex.

>From what I understand, the eTrex doesn't even have an internal voltage
regulator and will be destroyed if you feed it any more that 3 or so volts.

However, it does advertise a RS-232 port. While the "specs" talk about +-10v
swings, many devices get away with much less than that. I've not had a
problem connecting my eTrex's to Desktop PCs, Macs, laptops, TinyTraks or
PIC microcontrollers.

It's a good bet that someone else on the list has used an eTrex with the
TM-1 and can give some real, empirical answer.

Best regards,
--
Lance Cotton, KJ5O
joecotton@mac.com
http://map.findu.com/kj5o-14
----- Original Message -----
From: "J.Duffy Beischel" <wb8nut@arrl.net>
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Sent: Tuesday, April 16, 2002 11:54 AM
Subject: [aprssig] Question - Using Garmin eTrex with Tiger Trak TM-1

> John at Tigertronics informed me that he does not believe that the Garmin
> eTrex will work with their tracking interface since it operates on 3 volts
> only and the Tiger Trak needs to see a standard 5v at the serial port.
Has
> anyone else experience this? Does the Garmin 12 v adapter drop the
voltage
> to 3 v or is there an internal regulator inside the Garmin that puts it at
> 5 v and only presents a problem if the unit runs on batteries. Need an
> answer fast if he is to get it out today.
>
> Thanks,
>
> Duffy
>
> ---
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>
>

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---

412. [aprssig] APRS Police

From: Matthew Stennett <WA4TKG@attbi.com>
Date: Tue, 16 Apr 2002 18:49:44 -0400
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: TAPR APRS Special Interest Group <aprssig@lists.tapr.org>
Message-ID: <LYR842-74543-2002.04.16-18.23.44--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

That's a GOOD one !

Mike Yetsko wrote:

> Geesh, next thing you know they'll have fits about people who play dummy
> tracks to test! (Or for other purposes... Like the guy who found out his
> ex-wifes attorney was asking a few HAMs how to monitor APRS, so the
> guy set up his home PC to play a dummy track one weeked while he went
> elsewhere...)
>
> Not that we'd EVER do that to be deceptive...
>
> Mike
>
> ---

```
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```

413. [aprssig] Re: was Re: Authority? is aprsDOS feature

From: Bill Vodall - WA7NWP <wa7nwp@yahoo.com>
Date: Tue, 16 Apr 2002 16:03:29 -0700
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-74544-2002.04.16-18.37.31--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

```
> > AH, now that is a really cool feature.  Good thinking Bob.  You could do a
> > simular thing in APRS+.  You can tell it to capture your lat/long from Street
> > Atlas.  A round about way but possible.


FYI,  I believe this is pretty easy to do in PocketAprs also.

>It wasnt until recently that I have discovered that only other APRSdos
>users were actually seeing my ICON moving smoothly to work, because most
>follow-on "aprs" software was not doing deadreckoning..

I recently finished reading the Star Trek The Next Generation novel, "Ship Of
The Line" by Diane Carey.  Some fascinating terminology was discussed
including the origination of the term dead reckoning...

Bill - WA7NWP



---
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```

414. [aprssig] Re: Authority? WHAT authority?

From: Steve Slay <snslay@swbell.net>
Date: Tue, 16 Apr 2002 18:33:17 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-74560-2002.04.16-19.07.19--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

```
> Would somebody like to explain to me just how someone OTHER than the FCC
> can have authority to tell someone not to operate APRS?

They can't.

> A couple of people on the radio yesterday (I won't call them hams) tried
> to tell him he shouldn't be using APRS until he got a GPS.

OK, if this is the rule, all home stations and digits should be shut down
until they get a GPS connected to report their position that will never
change.

Steve Slay
KC5MVY
Where am I now?  http://www.findu.com/cgi-bin/find.cgi?call=KC5MVY
Where have I been lately?
http://www.findu.com/cgi-bin/track.cgi?call=KC5MVY
With weather RADAR
http://www.findu.com/cgi-bin/find.cgi?call=KC5MVY&radar=LBB

"Only two things are infinite, the universe and human stupidity, and I'm not
sure about the former."    Albert Einstein

----- Original Message -----
From: "Earl Needham" <needhame@yucca.net>
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Sent: Tuesday, April 16, 2002 10:49 AM
Subject: [aprssig] Authority? WHAT authority?
```

```
---
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```

---

415. [aprssig] uidigi firmware

From: "lloyd mitchell" <lloydm75@hotmail.com>
Date: Tue, 16 Apr 2002 19:53:18 -0400
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-74562-2002.04.16-19.27.18--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

```
I hope this is not off-topic.

But it there anyone that could burn a copy of UIdigi firmware for me?  I
have a MFJ 1270 that is collecting dust and it needs to be used as a APRS
digi in the Mullins SC area.

Thanks

Lloyd KD4HTW



_________________________________________________________________
Chat with friends online, try MSN Messenger: http://messenger.msn.com



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Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org
```

---

416. [aprssig] Re: Authority? WHAT authority?

From: Steve Slay <snslay@swbell.net>
Date: Tue, 16 Apr 2002 19:05:45 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-74566-2002.04.16-19.39.47--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

```
Darn Spell checker.

digis to digits

Steve Slay
KC5MVY
Where am I now?  http://www.findu.com/cgi-bin/find.cgi?call=KC5MVY
Where have I been lately?
http://www.findu.com/cgi-bin/track.cgi?call=KC5MVY
With weather RADAR
http://www.findu.com/cgi-bin/find.cgi?call=KC5MVY&radar=LBB

"Only two things are infinite, the universe and human stupidity, and I'm not
sure about the former."    Albert Einstein

----- Original Message -----
From: "Steve Slay" <snslay@swbell.net>
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Sent: Tuesday, April 16, 2002 6:33 PM
Subject: [aprssig] Re: Authority? WHAT authority?


> > Would somebody like to explain to me just how someone OTHER than the FCC
> > can have authority to tell someone not to operate APRS?
>
> They can't.
>
> > A couple of people on the radio yesterday (I won't call them hams) tried
> > to tell him he shouldn't be using APRS until he got a GPS.
>
> OK, if this is the rule, all home stations and digits should be shut down
> until they get a GPS connected to report their position that will never
> change.
>
> Steve Slay
> KC5MVY
> Where am I now?  http://www.findu.com/cgi-bin/find.cgi?call=KC5MVY
> Where have I been lately?
> http://www.findu.com/cgi-bin/track.cgi?call=KC5MVY
> With weather RADAR
> http://www.findu.com/cgi-bin/find.cgi?call=KC5MVY&radar=LBB
>
> "Only two things are infinite, the universe and human stupidity, and I'm
not
> sure about the former."    Albert Einstein
>
> ----- Original Message -----
> From: "Earl Needham" <needhame@yucca.net>
> To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
> Sent: Tuesday, April 16, 2002 10:49 AM
> Subject: [aprssig] Authority? WHAT authority?
>
>
>
> ---
> You are currently subscribed to aprssig as: snslay@swbell.net
> To unsubscribe send a blank email to leave-aprssig-842K@lists.tapr.org
> Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org
>


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```

---

417. [aprssig] RE: uidigi firmware

From: "Mark A.Foley" <na4v@cox.net>
Date: Tue, 16 Apr 2002 20:21:26 -0400
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-74569-2002.04.16-19.55.05--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

```
Tim Cunningham, N8DEU can do it...just did one for me for a MFJ
1270...his email address is: tim_cunningham@mindspring.com
Mark A. Foley, NA4V

_________________________________________________________________
APRS javAPRSSrvr Servers:
Ahubeast.net Port 2023  (AHubEast - World-Wide APRS Server)
Ahubeast.net Port 14579 (AHubEast - Eastern States APRS Server)
               more info: www.na4v.com
_________________________________________________________________





>
>
> I hope this is not off-topic.
>
> But it there anyone that could burn a copy of UIdigi firmware
> for me?  I
> have a MFJ 1270 that is collecting dust and it needs to be
> used as a APRS
> digi in the Mullins SC area.
>
> Thanks
>
> Lloyd KD4HTW
>
>
> _________________________________________________________________
> Chat with friends online, try MSN Messenger: http://messenger.msn.com
>
>
> ---
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> wa1lou@tapr.org
>
>


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418. [aprssig] What if??????????????

From: John Kraus <jfkraus2@cox.net>
Date: Tue, 16 Apr 2002 20:29:03 -0400
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-74571-2002.04.16-20.02.58--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

At 05:47 PM 16-04-02 +0000, k9soa@att.net wrote:
>What if the only option you have is REPLY?

If reply is truly the only method you have to send Email I think it is time to upgrade to an Email client that has an address book.

Just make an address book entry and use that, which is what I do to go direct to the list. My original comment was that the list was setup the way it is due to past problems. I have been subscribed to the SIG since the early to mid 90's and I remember several long flame wars over "accidental" posts. This has not been noted in most of the posts since. I recommend that Stan look at back archives and discuss this with some of the old timers at TAPR before any change is made. I subscribe to the theory {If it ain't broke don't FIX it.}

That said I am mature enough and competent enough to understand and use any system and will do so cheerfully. But to constantly "what if" is ridiculous. What if there is a nuclear EMP pulse tonight can I get a date with Jessica Alba?

Here is my working theory with explanation:

REPLY: to originator (good for answering routine information requests that don't need to be reposted)

REPLY ALL: originator and list (best for most replies of general interest since a sender in digest might have to wait for an answer I allow the post to go direct as well.

ADDRESS BOOK: (new posts and general interest replies not directed to a specific author)

The question should not be what is the "best" way for the list to work. Rather the question that needs to be answered is WHY was the list set up the way it is? If it was done for a reason is the reason still valid?

Ask five hams what is the "BEST" anything and you will get 10 or more mutually exclusive answers.

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419. [aprssig] APRS High-Site BACKBONES

From: Bob Bruninga <bruninga@usna.edu>
Date: Tue, 16 Apr 2002 20:31:40 -0400 (EDT)
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-74572-2002.04.16-20.05.48--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

APRS is completely broken in many high populatrion areas. We must move on past the "single-high-site-digi" 1995 APRS concept. I posted this before, but here it is again. I also put this on a WEB page:

http://www.ew.usna.edu/~bruninga/backbone.txt

```
BACKBONE DIGIS                                                   WB4APR
-----------------------------------------------------------------------
                                                          16 April 2002
```

Its time to REPLACE those HIGH-SITE DIGIS...

In some areas of the country APRS on 144.39 is just plain broken. This is because local engineering of local networks has not kept up with growth.

APRS is a cellular concept and just like with cell phones, as growth increases, the size of the cells MUST GET SMALLER to maintian the same quality of service to the end user.

When APRS is brand new in an area, then a single digi on the highest site will give fantastic coverage. A few such high sites can cover half a state... but ONLY UNTIL THE CHANNEL is full. At that point these high sites MUST BE REPLACED with more-and-lower sites. These lower sites can still still see adjacent sites so that the local traveler can be seen in surrounding areas, but not over the whole state. Igates or Backbones are what provides connectivity out of the local area.

The HIGH sites must be silenced or converted to backbones.

Backbones act just like the internet does. That is, they HEAR everything, and they share EVERYTHING with all other very high sites (on a different frequency!). Nothing comes out of them unless it is needed. Here is what we must do:

1) Lets take California as an example since it has well clustered areas of activity. Lets also assume that the goal of a given 144.39 channel in any area is running at about 20% of channel capacity (The ALOHA rate). Thus on average, you could combine the data from up to five such high density areas into a single full-time 1200 baud channel (backbone) and pipe it anywhere you wanted (NOT back to 144.39).

Or you could combine the feeds from 40 such areas into a single 9600 baud full time feed... Users who feel that they must see EVERYTHING in those 40 areas all at once, needs to tune in this 9600 baud channel. But otherwise, he just stays on 144.39, a nice quiet shared channel in his area. He will see all activity in range and have worldwide connectivity just like he does now.

2) Or, since the only APRS traffic that needs to go elsewhere for delivery is MESSAGES, then have Backbones smart enough to carry all messages and then put them back to RF where the receipeint is (just like the Itnernet system). This system would also forward position packets for those involved in both ends of the message... Just like the internet does.

In otherwords, the IGate rule applies. Everything goes in.... But nothing comes back OUT into an area unless it has significance there. The present rules for "singnificance" are:

1) It is an incoming message for someone in this area
2) It is a position report for someone in QSO with someone in this area
3) It is somehow designated as special...

BACKBONE HARDWARE:

Someone sent me a link to some 386 embedded microcontrollers complete with 4 COMM ports, IDE controller, FLASH ROM etc on Ebay going somewhere between 10 and 30$ I think. With one of these cards and 2 to 4 KISS TNC's would make a nice BACKBONE engine... Here is one way to use the 4 ports:

```
COM1 RX 144.39 >--+----DIGI only N HOP pkts---+---> COM1 TX 144.39
                  |                           |
                  +----Feed everything----+---|---> COM2 TX UHF4
                                          |   |
                  +-------Loop Filter-----+   |
                  |                           |
COM2  RX UHF1 >---+----Parse for local--------+
COM3  RX UHF2 >---+----Parse for local--------+
COM4  RX UHF3 >---+----Parse for local--------+
```

Here is what the BACKBONE NODE does:

1) it DIGIpeats on 144.39 except that it ignores DX beyond N hops
2) It listens to its three nearest BACKBONES on their UHF Freqs
3) It feeds everything (dupe free) from all COMM ports to its UHF XMTR
4) It parses all UHF feeds for local interest packets and adds them to .39

Here is what users do:

1) They operate normally on 144.39. But of course we encourage short hops
2) THey can Message and see anyone anywhere that they are messaging with
3) THey can query and find out about anyone anywhere
4) If they individualy want to see EVERYTHING, they tune to their UHF LOCAL freq...

We have got to get on with RF BACKBONES on other frequencies. I may not have it all figured out here, but collectively we have got to move on beyond the 1995 concept of a single HIGH digi for APRS for high population areas. Think cellular. High site digis are BAD in high population densities... and diddling with the fundamental concepts of APRS does NOT fix anything... you have to make the cells smaller, and link them by smart backbones.

de WB4APR, Bob

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---

420. [aprssig] Consensus - eTRex works with Tigertrak Unit

From: "J.Duffy Beischel" <wb8nut@arrl.net>
Date: Tue, 16 Apr 2002 19:50:55
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-74574-2002.04.16-20.24.52--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Well, from the messages I received, the eTrex will work with the Tigertronics TM-1 unit. Obviously, the eTrex needs good batteries or an external power source to be successful. Seems that Tigertronics is not that up on the capabilities of their own product. Trying to work with them to get a shipment sent out was a real labor. They cannot ship the same day as the order (they need to get with the 21st Century) and after several calls I decided it just wasn't worth dealing with them and cancelled the order. I ordered another TinyTrak unit from Byonics.

BTW, is anyone aware of any other GPS to radio interfaces besides Byonics and Tigertronics? Am I missing another product worth consideration?

Thanks to all that responded. Most appreciated.

Duffy - WB8NUT
www.wb8nut.com

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---

421. [aprssig] Radio installation in recent BMWs

From: "Mark Conner" <n9xtn@cox.net>
Date: Tue, 16 Apr 2002 23:01:33 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-74584-2002.04.16-23.35.41--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Hi all,

I bought a recently-made BMW and it has the warning sticker on the inside windshield advising that operating any sort of two-way radio in it (incl. cell phones!) could mess up the electronics and also could void the warranty.

I'm wondering if anyone has installed ham radio equipment (especially 2m/70cm) in a BMW that has this sticker (I think any made in the last 4-5 years has this) and whether you've experienced any problems, sought help from the dealership, or whatever. Information on other makes might be useful to the list, but it probably won't help me with what I'm looking for.

Please reply off-list if you wish and I'll summarize what I get back to the list at a later date w/o attribution. No sense in documenting some things by name permanently in an archive.

73 de Mark N9XTN

Mark D. Conner
E-mail: n9xtn@arrl.net
Homepage: http://members.cox.net/mconner1
"Arrogance and stupidity, all in the same package.....how
 efficient of you!"   - Ambassador Londo Mollari, Babylon 5

```
---
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```

422. [aprssig] Weather server up?

```
From: "Mark Conner" <n9xtn@cox.net>
Date: Tue, 16 Apr 2002 23:07:49 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-74586-2002.04.16-23.41.55--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain
```

```
Another question - did the APRS weather warning server go down
this evening?  We had some severe weather move through the area
and I didn't receive any warnings between about 0200Z and 0400Z.
Do all the core servers and AHUBs relay the weather warnings?  It
appears I was connected all evening, but it may have rotated
servers - I have 3 AHUBs in my list.

73 de Mark N9XTN




---
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```

423. [aprssig] Re: APRS High-Site BACKBONES

```
From: Mark Cheavens <mcheavens@usa.net>
Date: Tue, 16 Apr 2002 23:19:12 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-74588-2002.04.16-23.53.20--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain
```

```
Bob,
I agree that there is a FINITE amount of bandwidth available in any "pipe"
in our case it is half of a 1200baud pipe (simplex).

The cellular idea does not entirely work if you are trying to cover X
number of miles and you have to WASTE too much bandwidth in all of the
CELLS to get to another area.

Here is my idea for improving the bandwidth utilization and improving the
coverage at the same time.
1. Drop the "cellular" idea and instead move to a "Tiered" system. This
would give the immediate benefit of backward compatibility wherever someone
traveled AND increase bandwidth.
A tiered system would have MANY smart relays that would in effect NOT relay
unless the wide or wider receiver/digi did not hear it directly OR from
another higher tiered digi.
Example: Using a Large City as a model with multiple inner and outer
freeway loops around the city with a N/S and an E/W freeway so that you
have pie shaped pieces as well. In each of the pie areas you would have
other digis. Since it is possible that MANY receivers hear the signal then
the lower tiered ones wait to see if the higher one hears it. If the packet
IS heard and repeated via the WIDE then the tier 2,3.....'s do nothing with
it. Any digi ONLY repeats LOWER or EQUAL level packets. A Tier 1 would
always repeat another Tier 1 packets (assuming idea 2 below is within it's
desired/designed area of coverage)
In the Center of town you have a Tier 1 Digi VERY HIGH and definately WIDE!
It can talk (High power/good penetration)and hear ALL the further away
digi's but at the same time cannot get good reception from low power mobile
stations. In the surrounding area you have Tier 2 and 3 digi's, A tier 2
digi would buffer and wait X amount of time until it could see if any Tier
1 digi repeats the signal heard. If the packet was not repeated by the Tier
1 then it would send the packet. Likewise the Tier 3 would wait until it is
sure that no Tier 1 or 2 station heard the packet.

The tiering MUST be done and structured in a PLAN/organized system of the area.

2. All digi's must be SMART. They should KNOW how many hops is reasonable
for a given area and only repeat packet within a certain number of MILES of
the packet heard.
(This solves the band enhancement issue as well as USERS deciding how far
```

they TRY to make there packets go.)
Example: If in a given geographic area the sysops decide that all packets should be heard for APPROXIMATELY a 100 mile radius then any digi (knowing it's own location) would only digipeat packets within that were within a 100 miles of that digi. (areas of coverage would of course change based upon system loading and the number of I-gates).
This removes the end USER from setting a path, instead path might be replace with a "requested" number of miles.

3. All digi's would also compress any non-compress packet on the fly for backward compatibility with older trackers but would only transmit compress packets.

4. All moving and weather stations should try to use "Smart beaconing" I don't know of any weather stations using any form of smart beaconing, but it should be developed by our weather guru's! (I am NOT a weather guy!) but weather packet frequency should occur more frequently when the weather is changing or a threshold has changed. Not just because "10 minutes has gone by"
So, A system that quits sending/relaying messages amongst lower digis, no longer transmits path information, and only uses compressed packets would GREATLY increase the efficiency without the need of backbones and increased number of channels.

Some of this work (path changing) is already implemented in DigiNed. But with the addition of compression and tiering I think it could further fix the problem (A major problem is that end users must decide currently what there path needs to be for any given area instead of the "locals" who know what it needs to be and what the impact will be and how many hops or radius the person needs.)

Mark Cheavens
KC5EVE
Houston area sysop of 3 wide digis and 2 more on the way.

Footnote: I currently use ONLY UIDigi code in TNC-2's in all wide digis. This combination currently offers the only TRUE method of supporting all path types without the potential for duplicate packets in a package that can be put a remote site without the fear of having to give the computer the 3 finger salute! For our Downtown Houston site I am about to HAVE to move to DigiNed to FIX people that insist on sending Wide7-7,Trace7-7 uncompressed weather packets every 10 minutes WASTING bandwidth. I don't CARE about the weather 200 miles away when it is NOT changing!

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424. [aprssig] Re: Radio installation in recent BMWs

From: Mark Fellhauer <sparkfel@qwest.net>
Date: Tue, 16 Apr 2002 23:25:29 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-74589-2002.04.17-00.00.12--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

At 11:01 PM 4/16/02, Mark Conner wrote:
>Hi all,
>
>I bought a recently-made BMW and it has the warning sticker on
>the inside windshield advising that operating any sort of two-way
>radio in it (incl. cell phones!) could mess up the electronics
>and also could void the warranty.

This is not news to most of us. It has been discussed here extensively and has been the subject of at least one QST article. BMW and Porsche both have had this warranty disclaimer for as long as I can remember (Mercedes Benz too, I think). AFAICT, the reason I think they do this is so that you'll be more inclined to have the DEALER install your cellphone rather than go somewhere else.

Just another reason to avoid buying either a new Porsche or BMW, IMHO. I trust German cars slightly more than British cars... ;)

73,

Mark
KC7BXS

Q: Why do the British drink warm beer?
A: Because they have Lucas refrigerators.

Alexander Graham Bell invented the Telephone. Thomas Edison invented the Light Bulb. Joseph Lucas invented the Short Circuit.

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425. [aprssig] Authority???

From: "Lee H. Dahlen" <kd4tqz@Bellsouth.net>
Date: Wed, 17 Apr 2002 00:51:12 -0400
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: <aprssig@tapr.org>
Message-ID: <LYR842-74604-2002.04.17-00.25.48--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

I fight authority, Authority always wins!!!! (OK just a little music humor from the 80's.) That being said, tell em to get lost. They have none.

Lee/KD4TQZ

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426. [aprssig] Software for MFJ 1270C & Mac Computer

From: wa4tkg@attbi.com
Date: Wed, 17 Apr 2002 06:23:33 +0000
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-74620-2002.04.17-01.57.39--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

I would like to hear from anyone running a Macintosh
computer with a software program OTHER than APRS on an MFJ
I understand there is a program offered by MFJ to run
their tncs on a Mac; anyone out there using it ?
Will this program run on an iMac; w/ OS 9?
Thanks.

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427. [aprssig] Re: Radio installation in recent BMWs

From: Dale Blanchard <wa7ixk@earthlink.net>
Date: Tue, 16 Apr 2002 23:28:56 -0700
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: TAPR APRS Special Interest Group <aprssig@lists.tapr.org>
Message-ID: <LYR842-74621-2002.04.17-02.04.50--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

These are disclaimers , that does not mean they are not liable.
Whould they sell so many large trucks ,taxis , fire trucks , police cars , with all that electronics in them? Disclaimers are disclamers. My two side cars have not broke yet either. Electronic problems can be desighned out. Otherwise we would not have the space shutle , or the Ham repeater on the ISS. Bosch has already fixed everything so far.

Mark Fellhauer wrote:

> At 11:01 PM 4/16/02, Mark Conner wrote:
> >Hi all,
> >
> >I bought a recently-made BMW and it has the warning sticker on
> >the inside windshield advising that operating any sort of two-way
> >radio in it (incl. cell phones!) could mess up the electronics
> >and also could void the warranty.
>

> This is not news to most of us. It has been discussed here extensively and
> has been the subject of at least one QST article.   BMW and Porsche both
> have had this warranty disclaimer for as long as I can remember (Mercedes
> Benz too, I think).   AFAICT, the reason I think they do this is so that
> you'll be more inclined to have the DEALER install your cellphone rather
> than go somewhere else.
>
> Just another reason to avoid buying either a new Porsche or BMW, IMHO.   I
> trust German cars slightly more than British cars... ;)
>
> 73,
>
> Mark
> KC7BXS
>
> Q: Why do the British drink warm beer?
> A: Because they have Lucas refrigerators.
>
> Alexander Graham Bell invented the Telephone. Thomas Edison invented the
> Light Bulb. Joseph Lucas invented the Short Circuit.
>
> ---
> You are currently subscribed to aprssig as: WA7ixk@earthlink.net
> To unsubscribe send a blank email to leave-aprssig-842K@lists.tapr.org
> Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

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Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

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428. [aprssig] Re: Radio installation in recent BMWs

From: Mark Phillips <g7ltt@g7ltt.com>
Date: Wed, 17 Apr 2002 06:05:00 -0400
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-74633-2002.04.17-05.38.11--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

So what's wrong with British Cars? I s'pose you'll be trashing the new Mini
too. FYI its actually a German re-bake and very radio friendly. Many a
British car has gone on to win the hearts and devotion of lots of Americans.
Just look at the Land Rover, Jaguar, Triumph TR4/5/6, MG Spitfire to name
but a few.

IMHO you still cannot beat a mini painted in British Racing Green with a
Union flag painted on the roof.

Cool Britannia!

Mark, G7LTT

> Just another reason to avoid buying either a new Porsche or BMW, IMHO.   I
> trust German cars slightly more than British cars... ;)
> 73,
> Mark
> KC7BXS

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---

429. [aprssig] Re: Weather server up?

From: dale huguley <kg5qd@earthlink.net>
Date: Wed, 17 Apr 2002 06:11:32 -0400
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: TAPR APRS Special Interest Group <aprssig@lists.tapr.org>
Message-ID: <LYR842-74634-2002.04.17-05.45.48--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Mark Conner wrote:
> Another question - did the APRS weather warning server go down
> this evening? We had some severe weather move through the area
> and I didn't receive any warnings between about 0200Z and 0400Z.
> Do all the core servers and AHUBs relay the weather warnings? It
> appears I was connected all evening, but it may have rotated

```
> servers - I have 3 AHUBs in my list.

Mark & the Group-
Wxsvr was up all during the outbreak of severe weather last night.  I
know there are some connectivity issues that seem to be associated with
the general aprs servers.  If in doubt use the finger function to probe
the Wxsvr such as:
"finger *@wxsvr.net" returns the last message parsed (by alphabet) -
generally a volcanic ash advisory (WBCASH). If you get anything back,
the server is up.

In your case your local NWS office uses OAX for a callsign so
"finger OAX@wxsvr.net" would give you the last thing parsed for Omaha
"finger OAXSVR@wxsvr.net" returns the last severe thunderstorm warning

These return the whole message - adding a dot aprs returns the parsed
packets themselves so that
"finger OAX.aprs@wxsvr.net" will show you all the packets parsed for the
Omaha region since the last reboot.
There is no conflict between the NWS office names and the message types
so you can get away with
"finger SVR.aprs@wxsvr.net" to see all the severe warnings nationally.

I have used "finger all.aprs@wxsvr.net" to capture a file of the packets
and load them into winaprs as a log file- could be useful to get back up
to date after a reboot.  I plan to examine the database for expiration -
so soon you will only receive valid information via the finger function.
  If you are not familiar with "finger" it is one of the oldest internet
protocols- it actually predates the internet by a few years.

73 de kg5qd Dale



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```

---

430. [aprssig] Re: APRS High-Site BACKBONES

From: "Wes Johnston" <kd4rdb@netzero.com>
Date: Wed, 17 Apr 2002 07:25:54 -0400
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: <aprssig@tapr.org>
Message-ID: <LYR842-74636-2002.04.17-06.59.54--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

```
----- Original Message -----
From: "Mark Cheavens" <mcheavens@usa.net>
> 1. Drop the "cellular" idea and instead move to a "Tiered" system. This
> would give the immediate benefit of backward compatibility wherever
someone
> traveled AND increase bandwidth.
> the lower tiered ones wait to see if the higher one hears it. If the
packet
> IS heard and repeated via the WIDE then the tier 2,3.....'s do nothing
with
> it. Any digi ONLY repeats LOWER or EQUAL level packets. A Tier 1 would
> always repeat another Tier 1 packets (assuming idea 2 below is within it's
> desired/designed area of coverage)
> In the Center of town you have a Tier 1 Digi VERY HIGH and definately
WIDE!
> It can talk (High power/good penetration)and hear ALL the further away
> digi's but at the same time cannot get good reception from low power
mobile
> stations. In the surrounding area you have Tier 2 and 3 digi's, A tier 2
> digi would buffer and wait X amount of time until it could see if any Tier
> 1 digi repeats the signal heard. If the packet was not repeated by the
Tier
> 1 then it would send the packet. Likewise the Tier 3 would wait until it
is
> sure that no Tier 1 or 2 station heard the packet.

I came up with this idea in my aprsdigi dos program.  I called it "yeild"
digipeating.  If a taller digi had already digi'ed a packet, the lower digi
would yeild and not digi.  the hold up was a dynamic table in memory that
would auto sense the tallest (taller) digi's.  The PHG's are not too
accurate and some digi owners like to overstate their real coverage area.
```

> 3. All digi's would also compress any non-compress packet on the fly for
> backward compatibility with older trackers but would only transmit
compress
> packets.

I actually did this in the aprs digi. The problem here is that you convert a packet that is circulating then you'll end up with two copies and negate the duplicate checking that other digis do. Afterall, it is a different packet once it's compressed. The solution in this case was to only compress packets that were heard direct or via a "relay".

I also particularly like the german's flexnet system.... it hard enforces things like TXdelay. If your TXD is too long, the digi will tell you so, and reject your connect request. Something like that in aprs would be a godsend.

Wes

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---

431. [aprssig] Re: APRS High-Site BACKBONES

From: Bob Bruninga <bruninga@usna.edu>
Date: Wed, 17 Apr 2002 08:54:06 -0400 (EDT)
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-74649-2002.04.17-08.28.09--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

> > The HIGH sites must be silenced or converted to backbones.

Now here is an easy overnight cold-turkey phase-1 approach.... Leave these digis in place, listening on 144.39 but transmit on UHF. I call these HIGHx sites.

HIGH1: 1 RX on 144.39. Everything it hears it transmits on UHF.
HIGH2: 2 RX on 144.39. Beams point to each valley on either side
HIGH3: 3 RX on 144.39. 3 directions covered with narrower beams
HIGH4: 4 RX on 144.39. 4 directions covered with low tower leg beams

Notice the INSTANT advantages of these HIGHx site conversions:

1) Factor of 2, 4, 6 or 8 improvement in throughput and reduction in QRM. First a factor of two because each HIGH digi is now operating cross band full duplex. So it is not adding to channel QRM. Additional factors of X because each site has X multiple receivers.

2) Notice that even for the HIGH4 digi, the output can still be 1200 baud! Since the ALOHA saturation rate is on the order of 18%, then that means 5 such channels can all be heard at a HIGH4 site and fed into a single 1200 baud UHF transmitter without saturation.

3) Instant gratification in that this is still just a DUMB digipeater, and no software, firmware or anythign has to be developed. ALthough I think DIGI_NED software on an old PC may be required for the multiple ports.

4) Regional IGates simply listen to the UHF output of their HIGH digi so they can still hear everything, just like what the HIGH site hears.

5) FIxed stations or mobiles desiring to see everything the HIGH site is hearing can also just tune in to the UHF output for their area. They still transmit on 144.39.

6) Coordination (other than to get a UHF freq) is not required. The HIGH sites only listen on 144.39, so they cannot add to QRM on 144.39.

USERS: Users may think that they are being cut off. But this should not be the case. What it does is eliminate all out-of-area QRM from their area so that now they CAN hear their "local" low area digi. They can hear the HIGH stuff any time by tuning in the UHF downlink.

Now LOCAL areas can gain BACK some control over their 144.39 LAN by installing their OWN low-area 144.39 digis for their area of interest. These digis support the APRS universal RELAY,WIDE and WIDEn-N so that APRS gets back to working like it is supposed to. A few hops through these low digis should cover quite an area. And everything gets into an IGate somewhere for FINDU and all the other magic of APRS...

This will give us a year or two of breathing room to develop any higherorder backbone logic that would then LINK the HIGH's together.

For HIGH2,3, or 4's, remember, that you dont need sensitivity, what you need is DIRECTIVITY. SO you can run 100 feet or RG58 if you need to one beam on one side of the hill (low down) and then another cable to the other side of the hill at the base of the tower so that both independent 144.39 receivers do in fact hear two different areas at the same time.

Yes, they will hear opposite side signals too, but they should be 10 dB or more weaker and that is all you need for FM capture effect. These directional receivers are NOT intended to hear mobiles, but only the cluster of LOW digis on that side of the hill. The multiple low digis are supposed to hear the mobiles and they CAN because they are no longer QRM'ed by bazillions of other cross state traffic on 144.39.

It would be fun to sit down with a TOPO map of SOCAL and look at each HIGH digi and figure out whether it needs to be a HIGH1,2,3 or 4 site...

In summary, GET CONTROL OVER YOUR LAN.
1) Shut down the XMTRS of the high sites
2) Convert them to crossband outputs on UHF
3) IGates listen to the high site UHF outputs
4) Start installing more low site RELAY,WIDE,WIDEn digis

Just a suggestion. Again, this only applies to HIGH site digis that can see LARGE population densities. It does NOT necessarily apply to HIGH site digis in remote areas. Each area needs to design to TOPOGRAPHY. Every site is different.

de WB4APR, Bob

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432. [aprssig] Re: Question - Using Garmin eTrex with Tiger Trak TM-1

From: "Scott - KD5MHM" <kd5mhm@kd5mhm.org>
Date: Wed, 17 Apr 2002 07:58:45 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-74650-2002.04.17-08.31.45--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

If I remember correctly, Mike is almost right. Mike is right in that there is no standard that is for 5v serial RS232

I sure that the spec for RS-232C requires +/- 1.5vdc to +30vdc. The 3-vdc 'dead-band' centered around 0-vdc is 'undefined', neither mark nor space values, and is considered 'noise'. 0-vdc is noise.

The problem for designers was that it wasn't easy to have dual pos/neg supplies, convert 0-5vdc TTL levels to the pos/neg signals for RS232, and invert the signals from TTL to RS232.

One chip pair that helped was Motorola's MC1488/MC1489 pair, which did the inversion/conversion but still required dual power sections.

Years later, Maxim made the Max232 chip, which had its own neg supply section, and the inversion/conversion, and transmit/recv on the same chip. Big improvement.

Some designers 'cheat' on their products by using an inverter only, and expect 0-5vdc to work. Sometimes this works, others it won't, sometimes the inverter blows up when connected to true RS232 devices! One area I've noticed with 'cheating' is that it worked usually in TTL, but as the HC chip line came out, this didn't use the same voltage thresholds for 'on/off' and many designs upgraded to the HC chips quit working. Some still worked OK with the HCT family, which sorta kept the TTL thresholds rather than the HC mid-supply threshold.

Some designers have tried to make their serial ports work with both 'legal' and 'illegal' values to cover both situations, but this is more uncommon.

You might be able to use a Max232+inverter and get non-standard ports to

```
work happily...

Scott
kd5mhm
From: "Mike Yetsko" <myetsko@insydesw.com>
Subject: [aprssig] Re: Question - Using Garmin eTrex with Tiger Trak TM-1


> I believe Industry spec is +/- 25v unloaded max, with a +/- 3v
> swing under a standard load.

> From: "J.Duffy Beischel" <wb8nut@arrl.net>
> Subject: [aprssig] Re: Question - Using Garmin eTrex with Tiger Trak TM-1
> > I guess I did not state this very clearly.  The 3v power that the eTrex
> > uses, Tigertronics claims, does not provide enough voltage to the eTrex
> > circuit so that the signal output on the serial port from the eTrex is a
> > non-standard 3v and not 5v as the TigerTrak unit is expecting (and an
> > industry standard for serial connections so he says - heck I have no
> idea).
> > Duffy




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```

433. [aprssig] Re: What if??????????????

From: k9soa@att.net
Date: Wed, 17 Apr 2002 13:04:30 +0000
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-74652-2002.04.17-08.38.35--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

```
>
> I use the only web reader that ATT.NET supplies.  No
> other reader works.  I COULD use Outlook Express but
> would prefer not.
>
> Replies to SIG messages should return to the SIG unless
> a private reply is requested.
>
> By making all replies PRIVATE causes more messages on
> the SIG asking the SAME QUESTIONS OVER AND OVER since
> others do not get the benefit of seeing the responses.
>
> The G in SIG stands for GROUP, not PRIVATE.
>
> --
> Don
>
> www.k9soa.net  (EM77EW)
>
> Home of "JEANNIE"
> The House That Listens
> Using HAL2000 by Home Automated
> Living
> Seen on HGTV's Dream Builder show
>
> Featured Home of the Month
> Home Automation Magazine March 2002
> > At 05:47 PM 16-04-02 +0000, k9soa@att.net wrote:
> > >What if the only option you have is REPLY?
> >
> > If reply is truly the only method you have to send Email I think it is time
> > to upgrade to an Email client that has an address book.
> >

---
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```

434. [aprssig] Re: Radio installation in recent BMWs

From: <dodom@mindspring.com>
Date: Wed, 17 Apr 2002 09:07:17 -0400
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>

```
Message-ID: <LYR842-74653-2002.04.17-08.43.25--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain
```

```
When the BMW plant opened in South Carolina a few years ago, a new BMW was
donated to the South Carolina Highway Patrol.  It was equipped with the
usual equipment.  I don't know if it is still in service but I occasionally
saw it on the road.



---
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```

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435. [aprssig] Re: Question - Using Garmin eTrex with Tiger Trak TM-1

```
From: LAIRD STANTON <LAIRD_STANTON@alexandria-emh1.army.mil>
Date: Wed, 17 Apr 2002 09:26:19 -0400
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-74656-2002.04.17-09.02.13--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain
```

```
Might consider either RS 421 or RS 422 as an option.

Laird
N3HLL

   -----Original Message-----
   From:   "Scott - KD5MHM" <kd5mhm@kd5mhm.org>@AMC
   Sent:   Wednesday, April 17, 2002 5:59 AM
   To:     "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
   Subject:  [aprssig] Re: Question - Using Garmin eTrex with Tiger Trak
             TM-1

   (Embedded image moved to file: pic02784.pcx)
   If I remember correctly, Mike is almost right.  Mike is right in that
   there
   is no standard that is for 5v serial RS232

   I sure that the spec for RS-232C requires +/- 1.5vdc to +30vdc.  The
   3-vdc
   'dead-band' centered around 0-vdc is 'undefined', neither mark nor
   space
   values, and is considered 'noise'.  0-vdc is noise.

   The problem for designers was that it wasn't easy to have dual
   pos/neg
   supplies, convert 0-5vdc TTL levels to the pos/neg signals for RS232,
   and
   invert the signals from TTL to RS232.

   One chip pair that helped was Motorola's MC1488/MC1489 pair, which
   did the
   inversion/conversion but still required dual power sections.

   Years later, Maxim made the Max232 chip, which had its own neg supply
   section, and the inversion/conversion, and transmit/recv on the same
   chip.
   Big improvement.

   Some designers 'cheat' on their products by using an inverter only,
   and
   expect 0-5vdc to work.  Sometimes this works, others it won't,
   sometimes the
   inverter blows up when connected to true RS232 devices!  One area
   I've
   noticed with 'cheating' is that it worked usually in TTL, but as the
   HC chip
   line came out, this didn't use the same voltage thresholds for
   'on/off' and
   many designs upgraded to the HC chips quit working.  Some still
   worked OK
   with the HCT family, which sorta kept the TTL thresholds rather than
   the HC
   mid-supply threshold.

   Some designers have tried to make their serial ports work with both
   'legal'
   and 'illegal' values to cover both situations, but this is more
   uncommon.
```

You might be able to use a Max232+inverter and get non-standard ports
to
work happily...

Scott
kd5mhm
From: "Mike Yetsko" <myetsko@insydesw.com>
Subject: [aprssig] Re: Question - Using Garmin eTrex with Tiger Trak
TM-1

> I believe Industry spec is +/- 25v unloaded max, with a +/- 3v
> swing under a standard load.

> From: "J.Duffy Beischel" <wb8nut@arrl.net>
> Subject: [aprssig] Re: Question - Using Garmin eTrex with Tiger
Trak TM-1
> > I guess I did not state this very clearly. The 3v power that the
eTrex
> > uses, Tigertronics claims, does not provide enough voltage to the
eTrex
> > circuit so that the signal output on the serial port from the
eTrex is a
> > non-standard 3v and not 5v as the TigerTrak unit is expecting
(and an
> > industry standard for serial connections so he says - heck I have
no
> idea).
> > Duffy

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[Attachment: pic02784.pcx; application/octet-stream; 2,707 bytes]

---

436. [aprssig] Re: APRS High-Site BACKBONES

From: Mark Cheavens <mcheavens@usa.net>
Date: Wed, 17 Apr 2002 08:58:50 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-74662-2002.04.17-09.33.02--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Bob,
Once again your idea will work...IF you have terrain to get the isolation.
In the Flat Lands we don't have that "luxury". I say that tongue in cheek
since I also know the problems it can create!
On a 500 ft tower that has EQUAL visability in all directions we will not
see the type of isolation you are seeking.
Mark Cheavens
KC5EVE

>For HIGH2,3, or 4's, remember, that you dont need sensitivity, what you
>need is DIRECTIVITY. SO you can run 100 feet or RG58 if you need to one
>beam on one side of the hill (low down) and then another cable to the
>other side of the hill at the base of the tower so that both independent
>144.39 receivers do in fact hear two different areas at the same time.
>
>Yes, they will hear opposite side signals too, but they should be 10 dB or
>more weaker and that is all you need for FM capture effect. These
>directional receivers are NOT intended to hear mobiles, but only the
>cluster of LOW digis on that side of the hill. The multiple low digis are
>supposed to hear the mobiles and they CAN because they are no longer
>QRM'ed by bazillions of other cross state traffic on 144.39.
>
>It would be fun to sit down with a TOPO map of SOCAL and look at each HIGH
>digi and figure out whether it needs to be a HIGH1,2,3 or 4 site...
>
>
>de WB4APR, Bob
>

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437. [aprssig] Re: APRS High-Site BACKBONES

From: "Jeff King" <transit_man@hotmail.com>
Date: Wed, 17 Apr 2002 14:28:53 +0000
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-74665-2002.04.17-10.02.50--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

"Wes Johnston" <kd4rdb@netzero.com> wrote:

>I also particularly like the german's flexnet system.... it hard enforces
>things like TXdelay. If your TXD is too long, the digi will tell you so,
>and reject your connect request. Something like that in aprs would be a
>godsend.

Big Cheshire Cat grin..... you do realize that would put 75% of APRS'ers off the air, don't you? (i.e. the ALINCO/KENWOOD TNC LID defaults).

Then again, maybe that would be a godsend and we'ed get people, and more importantly the manufactures to give a darn about level one. Could easily double channel capacity with your suggestion at no cost.

73

Jeff

____
MSN Photos is the easiest way to share and print your photos:
http://photos.msn.com/support/worldwide.aspx

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438. [aprssig] Sony Clie T615C

From: "Beitler, Brian Michael (Brian)" <beitler@agere.com>
Date: Wed, 17 Apr 2002 10:34:45 -0400
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-74666-2002.04.17-10.09.16--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

I have the opportunity to acquire a Sony Clie T615C for work. I have been trying to find out if this device has a serial port that would be compatible with Pocket APRS but to no avail. Except for a footnote on http://www.sonystyle.com/vaio/clie/615_specs.shtml the Sony web sites and online manuals only talk about a USB interface. Does anyone know if a serial interface really exists?

Brian

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439. [aprssig] Re: Radio installation in recent BMWs

From: "Kurt A. Freiberger" <wb5bbw@airmail.net>
Date: Wed, 17 Apr 2002 10:12:07 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-74667-2002.04.17-10.46.09--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

At 05:05 AM 4/17/2002, Mark Phillips wrote:
> So what's wrong with British Cars? I s'pose you'll be trashing the new Mini
>too. FYI its actually a German re-bake and very radio friendly. Many a
>British car has gone on to win the hearts and devotion of lots of Americans.
>Just look at the Land Rover, Jaguar, Triumph TR4/5/6, MG Spitfire to name
>but a few.
>
>IMHO you still cannot beat a mini painted in British Racing Green with a

>Union flag painted on the roof.

It's just that they have a tendency to invoke the Dark Lord Lucas...

73/Kurt

Kurt Freiberger, WB5BBW   wb5bbw@airmail.net

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---

440. [aprssig] Re: Authority? WHAT authority?

From: "Dakota Summerhawk" <cameron_summerhawk@hotmail.com>
Date: Wed, 17 Apr 2002 09:37:35 -0600
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-74669-2002.04.17-11.11.33--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Why not? I have been using mapquest for my GPS reads when I did not have a GPS. What difference does it make if you dont have a GPS to get the reading from? Smack the person that told you that you need a GPS to run APRS and keep on doing it. If you have a station up and running that helps all of us.

Cameron

```
>From: Earl Needham <needhame@yucca.net>
>To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
>Subject: [aprssig] Authority?  WHAT authority?
>Date: Tue, 16 Apr 2002 09:49:56 -0600
>
>
>       A friend of mine is just getting into APRS, and is operating (for the time
>being) APRSdos on a laptop in his truck.  Unfortunately, he doesn't have a
>GPS, so he is manually entering his position from time to time.
>
>       Just as Bob Bruninga has described doing more than a few times.
>
>       A couple of people on the radio yesterday (I won't call them hams) tried
>to tell him he shouldn't be using APRS until he got a GPS.
>
>       Would somebody like to explain to me just how someone OTHER than the FCC
>can have authority to tell someone not to operate APRS?
>
>       Thanks,
>       Earl
>
>
>Earl Needham, KD5XB, Clovis, New Mexico
>KD5XB-2>APW251,PCSAT-1*:=3425.83N/10313.55W-PHG7150/WinAPRS 2.5.1
>-EARL_CLOVIS -251-<630>
>Did you get a letter from Nigeria offering a "deal"?  See
>http://home.rica.net/alphae/419coal/ and
>http://www.crimes-of-persuasion.com/Crimes/Business/nigerian.htm
>
>
>---
>You are currently subscribed to aprssig as: cameron_summerhawk@hotmail.com
>To unsubscribe send a blank email to leave-aprssig-842K@lists.tapr.org
>Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org
>
```

____
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http://www.hotmail.com

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Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

441. [aprssig] Re: APRS High-Site BACKBONES

From: Bob Bruninga <bruninga@usna.edu>
Date: Wed, 17 Apr 2002 12:22:41 -0400 (EDT)
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: TAPR APRS Special Interest Group <aprssig@lists.tapr.org>
Message-ID: <LYR842-74678-2002.04.17-11.56.44--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

```
On Tue, 16 Apr 2002, Mark Cheavens wrote:

> The cellular idea does not entirely work if you are trying to cover X
> number of miles and you have to WASTE too much bandwidth in all of the
> CELLS to get to another area.
>
> 1. Drop the "cellular" idea and instead move to a "Tiered" system.

I agree.  When I say cellular, it is kind of a tiered approach I
visualize.

> A tiered system would have MANY smart relays that would in effect NOT relay
> unless the wide or wider receiver/digi did not hear it directly OR from
> another higher tiered digi.

But this is not really the problem I was addressing.  This appraoch still
assumes there is enough bandwidth to support everyone from the high site.
In LA, this is not the case.  Even with perfect synchronization, no dupes,
and smart paths, you cannot stuff it all onto one WIDE.

> Example: Using a Large City as a model with multiple inner and outer
> freeway loops around the city with a N/S and an E/W freeway so that you
> have pie shaped pieces as well. In each of the pie areas you would have
> other digis. Since it is possible that MANY receivers hear the signal then
> the lower tiered ones wait to see if the higher one hears it. If the packet
> IS heard and repeated via the WIDE then the tier 2,3.....'s do nothing with
> it. Any digi ONLY repeats LOWER or EQUAL level packets. A Tier 1 would
> always repeat another Tier 1 packets (assuming idea 2 below is within it's
> desired/designed area of coverage)
> In the Center of town you have a Tier 1 Digi VERY HIGH and definately WIDE!
> It can talk (High power/good penetration)and hear ALL the further away
> digi's but at the same time cannot get good reception from low power mobile
> stations. In the surrounding area you have Tier 2 and 3 digi's, A tier 2
> digi would buffer and wait X amount of time until it could see if any Tier
> 1 digi repeats the signal heard. If the packet was not repeated by the Tier
> 1 then it would send the packet. Likewise the Tier 3 would wait until it is
> sure that no Tier 1 or 2 station heard the packet.

Yep, this is a good model for medium sized cities can still support
everyone from a single central WIDE...

Bob



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```

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442. [aprssig] APRS broken

From: "Alan Heaberlin" <amh@QNET.COM>
Date: Wed, 17 Apr 2002 09:25:27 -0700
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-74679-2002.04.17-11.59.09--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

```
>
> Subject: APRS High-Site BACKBONES
> From: Bob Bruninga <bruninga@usna.edu>
> Date: Tue, 16 Apr 2002 20:31:40 -0400 (EDT)
> X-Message-Number: 42
>
> APRS is completely broken in many high populatrion areas.  We must move
> on past the "single-high-site-digi" 1995 APRS concept.  I posted this
> before, but here it is again.  I also put this on a WEB page:
>
> http://www.ew.usna.edu/~bruninga/backbone.txt
>
> BACKBONE DIGIS                                                    WB4APR
> ------------------------------------------------------------------------
```

>   16 April 2002
>
> Its time to REPLACE those HIGH-SITE DIGIS...
>
> In some areas of the country APRS on 144.39 is just plain broken. This is
> because local engineering of local networks has not kept up with growth.
> APRS is a cellular concept and just like with cell phones, as growth
> increases, the size of the cells MUST GET SMALLER to maintian the same
> quality of service to the end user.
>
    <snip>
>
> 1) Lets take California as an example since it has well clustered areas
> of activity. Lets also assume that the goal of a given 144.39 channel in
> any area is running at about 20% of channel capacity (The ALOHA rate).
> Thus on average, you could combine the data from up to five such high
> density areas into a single full-time 1200 baud channel (backbone) and
> pipe it anywhere you wanted (NOT back to 144.39).

In using California as an example, please don't forget the unique nature of
our great state. Yes we have enormous, huge centers of population, but so do
we have vast miles of almost no population with major highways running
through them. Some of these areas have no APRS coverage except that provided
by very high level digis. California's US Hwy 395 which takes millions of
skiers, hikers, fishermen, and campers to the High Sierra's every year has
NO coverage from the Ridgecrest area to the Nevada State line. A distance of
almost 400 miles, which by the way has no less than 3 ham radio clubs that
have not elected to get with APRS. (Time to send some more e-mails out.)
Some highway level "relay" stations would be helpful here but would still
require something around 8,000' to get out of the Owens Valley into the
network. Yeah, forget about ADSL service for an Igate here!
I like the backbone idea but haven't wrapped my mind around how it might be
implemented without starting a big war between all the Digi owners groups to
make it consistent across all the different areas.
Keep the great ideas coming Bob!
Alan Heaberlin W6AMH

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---

443. [aprssig] REF: Authority? WHAT authority?

From: Matthew Stennett <WA4TKG@attbi.com>
Date: Wed, 17 Apr 2002 12:37:59 -0400
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: TAPR APRS Special Interest Group <aprssig@lists.tapr.org>
Message-ID: <LYR842-74680-2002.04.17-12.12.50--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Couldn't Have Said It Better Myself:

My sentiments EXACTLY;
Thanks Dakota!
SMACK 'em once for ME TOO Earl!

Dakota Summerhawk wrote:

> Why not? I have been using mapquest for my GPS reads when I did not have a
> GPS. What difference does it make if you dont have a GPS to get the reading
> from? Smack the person that told you that you need a GPS to run APRS and
> keep on doing it. If you have a station up and running that helps all of us.
>
> Cameron
>
> >   A friend of mine is just getting into APRS, and is operating (for the time
> >being) APRSdos on a laptop in his truck. Unfortunately, he doesn't have a
> >GPS, so he is manually entering his position from time to time.
> >
> >   Just as Bob Bruninga has described doing more than a few times.
> >
> >   A couple of people on the radio yesterday (I won't call them hams) tried
> >to tell him he shouldn't be using APRS until he got a GPS.
> >
> >   Would somebody like to explain to me just how someone OTHER than the FCC
> >can have authority to tell someone not to operate APRS?
> >
> >   Thanks,

> >   Earl
> >

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---

444. [aprssig] Re: APRS High-Site BACKBONES

From: Bob Bruninga <bruninga@usna.edu>
Date: Wed, 17 Apr 2002 13:00:48 -0400 (EDT)
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: TAPR APRS Special Interest Group <aprssig@lists.tapr.org>
Message-ID: <LYR842-74681-2002.04.17-12.34.55--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

On Wed, 17 Apr 2002, Mark Cheavens wrote:

> Bob, Once again your idea will work...IF you have terrain to get the
> isolation. In the Flat Lands we don't have that "luxury".... On a 500 ft
> tower that has EQUAL visability in all directions we will not see the
> type of isolation you are seeking. Mark Cheavens, KC5EVE

If I assume that you are in a flat area, yet do have the total 144.39
saturation problem of a major metropolitan area, then there is no reason
it wont work just as well there. Put three or four beams pointing in
different directions and if they are at least 4 elements or so, then
most of the signals coming in from a favored direction will be 10 to 20 dB
stronger that signals coming in from the other directions.

No matter how you look at it, the front to back and front-to side ratios
combined with the FM capture effect and separate receivers (and TNC's) on
each antenna will resoplve MOST collisions that currently simply result
in QRM and lost packets. Dont be affraid to add attenuation as needed so
this central HIGH digi only hears the surrounding other digis you
want it to hear, not DX low lwevel QRM or other trash...

No, none of them will hear a quiet channel (but it doesnt need to, because
now it never transmits on 144.39), but during collisions, each receiver in
each favored direction will capture and decode the packets in its
direction most of the time independently of what the others are hearing..
Of course the UHF transmit side then has to do DUPE checking so that only
one copy goes out when all receivers hear the same packet...

> >For HIGH2,3, or 4's, remember, that you dont need sensitivity, what you
> >need is DIRECTIVITY. SO you can run 100 feet or RG58 if you need to one
> >beam on one side of the hill (low down) and then another cable to the
> >other side of the hill at the base of the tower so that both independent
> >144.39 receivers do in fact hear two different areas at the same time.
> >
> >Yes, they will hear opposite side signals too, but they should be 10 dB or
> >more weaker and that is all you need for FM capture effect. These
> >directional receivers are NOT intended to hear mobiles, but only the
> >cluster of LOW digis on that side of the hill. The multiple low digis are
> >supposed to hear the mobiles and they CAN because they are no longer
> >QRM'ed by bazillions of other cross state traffic on 144.39.

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445. [aprssig] Re: APRS broken

From: Bob Bruninga <bruninga@usna.edu>
Date: Wed, 17 Apr 2002 13:15:55 -0400 (EDT)
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: TAPR APRS Special Interest Group <aprssig@lists.tapr.org>
Message-ID: <LYR842-74684-2002.04.17-12.49.56--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

On Wed, 17 Apr 2002, Alan Heaberlin wrote:

> In using California as an example, please don't forget the unique nature of
> our great state. Yes we have enormous, huge centers of population, but so do
> we have vast miles of almost no population with major highways running
> through them. Some of these areas have no APRS coverage except that provided
> by very high level digis.

Yes, perfect example. For the digis out in the wilderness, then they
remain normal digis, but for the ones that are at the POPULATION end, then
those HIGH digis need to have BEAMS up there pointing AWAY from
the population centers so that any packet coming in from the wilderness
will capture the receiver over all the local population QRM.. These same
digis can also transmit back on 144.39 beamed back in the wilderness
direction too. while a UHF frequency can still combine what that site
hears from other directions on 144.39 as well...

> California's US Hwy 395 which takes millions of skiers, hikers,
> fishermen, and campers to the High Sierra's every year has NO coverage
> from the Ridgecrest area to the Nevada State line. A distance of almost
> 400 miles... Some highway level "relay" stations would be helpful here
> but would still require something around 8,000' to get out of the Owens
> Valley into the network....
>
> I like the backbone idea but haven't wrapped my mind around how it might
> be implemented without starting a big war between all the Digi owners
> groups to make it consistent across all the different areas. Keep the
> great ideas coming Bob! Alan Heaberlin W6AMH

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446. [aprssig] Re: APRS broken

From: "Guy Story, KC5GOI" <kc5goi@kc5goi.net>
Date: Wed, 17 Apr 2002 12:31:27 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-74687-2002.04.17-13.14.04--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

I am seeing simular issues in the DFW area with channel saturation. A
backbone idea has been crawling about the back of my mind too. TexNet does a
very simular thing, so does ROSE. The cost to build a backbone will not be
trivial though.

Why has this issue popped up? IMHO several reasons. 1) Improper useage of
unproto paths is still serious. 2) Beacon rates too often for fixed stations
and mobile stations not moving. 3) txdelay to long is sometimes an issue. 4)
generic digipeat paths on WIDES and RELAYS. I have seen many a digi with
WIDE4-4 instead of specific paths. 5) KPC3 ver 8.2 does have a bug that does
not always prevent the duplicate packets (this is not as severe).

There may be other reasons I am missing, but things are getting very crowded
in some areas.

73

On Wednesday 17 April 2002 11:25 am, Alan Heaberlin wrote:
> > Subject: APRS High-Site BACKBONES
> > From: Bob Bruninga <bruninga@usna.edu>
> > Date: Tue, 16 Apr 2002 20:31:40 -0400 (EDT)
> > X-Message-Number: 42
> >
> > APRS is completely broken in many high populatrion areas. We must move
> > on past the "single-high-site-digi" 1995 APRS concept. I posted this
> > before, but here it is again. I also put this on a WEB page:
> >
> > http://www.ew.usna.edu/~bruninga/backbone.txt
> >
> > BACKBONE DIGIS   WB4APR

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---

447. [aprssig] Paper Back Sized WinXP Computer

From: Steve Hammond <1hammond@bellsouth.net>
Date: Wed, 17 Apr 2002 14:37:16 -0400
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-74709-2002.04.17-14.09.52--lyris.aprssig#tapr.org@lists.tapr.org>

Rendered body type: text/plain

>From CNN Science and Technology:
http://www.cnn.com/2002/TECH/ptech/04/17/modular.computing.ap/index.html

OQO Website is www.oqo.com

I think this would be perfect in the car.

Steve/K4SAH

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---

448. [aprssig] Updated The Netherlands Pocket APRS map + new map

From: Henk de Groot <henk.de.groot@hetnet.nl>
Date: Wed, 17 Apr 2002 20:49:08 +0200
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-74712-2002.04.17-14.23.30--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Hello All,

For your information.

I updated the PocketAPRS map for The Netherlands which is also usable with APRS/CE, Xastir, MacAPRS 3.5.2 and WinAPRS 2.5.2 (Haven't seen this one released yet, Keith tested it a few months back) or better.

The map for The Netherlands now has labels! It also has a higher granularity which means that at deep zooms less line segments are lost compared to the previous map.

Because I have a Palm IIIe with only 2 MB memory and I will visit Belgium in the summer, I also made a new map for Belgium. This part of Europe was already covered in the map for Germany but this dedicated map is obviously a lot smaller.

You can find the updated and the new map, with other maps, on:
http://www.homepages.hetnet.nl/~pe1dnn/
(You may have to reload the map if you have a cached copy).

Kind regards,

Henk.

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---

449. [aprssig] Re: APRS broken

From: "Rich Garcia" <k4gps@bellsouth.net>
Date: Wed, 17 Apr 2002 15:24:53 -0400
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-74734-2002.04.17-14.59.20--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

This is something that I had brought up MANY years ago but was dropped. I have long thought of APRS needing a backbone and even tried stirring interest in the mid 90's for one reason, coverage. By using a backbone system we could employ as has been mentioned beams, high power, and other bands (heck even a old analog MW spur)to link WIDE digi's over long distances.

I spoke at great length with Tom Molton W2VY the author of ROSE about this and some APRS code was actually written for ROSE switches (the BTEXT and UI Digipeating capability)but soon after Tom moved, changed jobs and I think dropped the ROSE project entirely. I am not sure who is responsible for the code right now, I think it may be a club in Tampa.

Yes it would be expensive to build a whole backbone network but not if we would try to make use of ROSE nodes that are already out there and possibly gathering dust. Regular packet has died quite a bit in some areas but not all. A 144.39 port could be added at existing ROSE switch sites and use the EXISTING backbone network. Florida had/has quite a bit of ROSE and some WIDE sites also have ROSE already there, it is just a matter of the software.

Last conversation with Tom W2VY was how we would do addressing to have the
APRS packet exit out the proper port at it's final location using the
current APRS protocol without modification. This was in 93' or 94' maybe it
is time to look into this possibility again.

In a topography like we have in FL where high for us is a 1K foot tower and
population density is in pockets along the 2 coasts with little but swamp
and gators in-between we need long paths. Areas now split like Miami and
Orlando, or West Palm and Tampa can usually only converse via the Igate or a
band opening. A backbone could possibly resolve this issue.

Rich K4GPS
k4gps@arrl.net

-----Original Message-----
From: bounce-aprssig-19959@lists.tapr.org
[mailto:bounce-aprssig-19959@lists.tapr.org]On Behalf Of Guy Story,
KC5GOI
Sent: Wednesday, April 17, 2002 1:31 PM
To: TAPR APRS Special Interest Group
Subject: [aprssig] Re: APRS broken

I am seeing simular issues in the DFW area with channel saturation. A
backbone idea has been crawling about the back of my mind too. TexNet does
a
very simular thing, so does ROSE. The cost to build a backbone will not be
trivial though.

Why has this issue popped up? IMHO several reasons. 1) Improper useage of
unproto paths is still serious. 2) Beacon rates too often for fixed stations
and mobile stations not moving. 3) txdelay to long is sometimes an issue.
4)
generic digipeat paths on WIDES and RELAYS. I have seen many a digi with
WIDE4-4 instead of specific paths. 5) KPC3 ver 8.2 does have a bug that
does
not always prevent the duplicate packets (this is not as severe).

There may be other reasons I am missing, but things are getting very crowded
in some areas.

73

On Wednesday 17 April 2002 11:25 am, Alan Heaberlin wrote:
> > Subject: APRS High-Site BACKBONES
> > From: Bob Bruninga <bruninga@usna.edu>
> > Date: Tue, 16 Apr 2002 20:31:40 -0400 (EDT)
> > X-Message-Number: 42
> >
> > APRS is completely broken in many high populatrion areas. We must move
> > on past the "single-high-site-digi" 1995 APRS concept. I posted this
> > before, but here it is again. I also put this on a WEB page:
> >
> > http://www.ew.usna.edu/~bruninga/backbone.txt
> >
> > BACKBONE DIGIS
WB4APR

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450. [aprssig] Ham in the news

From: "Sadowski, Allan" <allan.sadowski@ncshp.org>
Date: Wed, 17 Apr 2002 17:28:42 -0400
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>

Message-ID: <LYR842-74767-2002.04.17-16.53.04--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Bdale Garbee has been elected as Debian Project Leader

News seen in www.slashdot.org

Debian is one of the popular LINUX development efforts....   www.debian.org

Congrats Bdale !!!!!

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---

451. [aprssig] PC SAT; Where Is IT?

From: wa4tkg@attbi.com
Date: Wed, 17 Apr 2002 21:27:09 +0000
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-74770-2002.04.17-17.01.10--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

O.K.; I'm MISSING something here:
If the orbit of PCSAT is supposed to be every 100
minutes; why is it that it hasn't been heard over North
America in over THREE HOURS?
If someone is going to mention the solar activity, I was
under the impression that sats were NOT supposed to be
adversely effected by this.
(of course I COULD be WRONG; Daaaah)

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Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

---

452. [aprssig] Re: PC SAT; Where Is IT?

From: Bob Bruninga <bruninga@usna.edu>
Date: Wed, 17 Apr 2002 18:09:56 -0400 (EDT)
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: TAPR APRS Special Interest Group <aprssig@lists.tapr.org>
Message-ID: <LYR842-74775-2002.04.17-17.43.57--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

On Wed, 17 Apr 2002 wa4tkg@attbi.com wrote:

> O.K.; I'm MISSING something here:
> If the orbit of PCSAT is supposed to be every 100
> minutes; why is it that it hasn't been heard over North
> America in over THREE HOURS?

The orbit is every hundred minutes, but your particular spot on the earth is only under the orbit about 6 or 7 times a day. The orbit is more or less a fixed circle in space, but the earth rotates underneath it. Thus you are "under" or within view of the orbit only about 7 or 8 hours a day total. Usually this is when you are on one side of the earth and then again 5 to 12 hours later when you are under the orbit on the other side of the earth.

Thus, for typical USA station for a polar satellite like UO14 and AO27,, you will see about 3 passes, then nothing for 12 hours and then 3 more passes as you go under the orbit on the other side of earth. But PCsat's orbit is inclined at about 67 degrees so for southern USA stations, you will see about 3 passes, then nothing for 6 hours then 3 more passes.
If you live in the Northern USA, then you may see 6 passes all in a row, and then nothing for 16 hours...

Bob

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---

453. [aprssig] FM Satellites for the week of 17 April 2002

From: Bob Bruninga <bruninga@usna.edu>
Date: Wed, 17 Apr 2002 20:09:29 -0400 (EDT)
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: amsat-bb@AMSAT.Org
Message-ID: <LYR842-74794-2002.04.17-19.43.33--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Mobile/FM Satellite Pass Periods for the week of 04-17-2002
adjusted for local Daylight Savings times in the northern hemisphere.
PCsat is doing very well and is OPS NORMAL. Everyone is welcome.

```
Sats 06 07 08 09 10 11 12 13 14 15 16 17 18 19 20 21 22 23 00 01 02 03
---- -- -- -- -- -- -- -- -- -- -- -- -- -- -- -- -- -- -- -- -- -- --
AO27    ***********                      ***********
UO14      ***********                      ***********
SO41 **            ************                                 * ****
AO16         **********                       **********
ISS           ** ************* ****************
UO22 ******                       **********
NO44    ************ *            **************
NO45    *************            *************
```

Times are LOCAL daylight savings SUN TIME for MID Northern Latitudes.

For the southern Hemisphere:

```
Sats 06 07 08 09 10 11 12 13 14 15 16 17 18 19 20 21 22 23 00 01 02 03
---- -- -- -- -- -- -- -- -- -- -- -- -- -- -- -- -- -- -- -- -- -- --
AO27 **********                             **********
UO14    **********                             **********
SO41                          ************             ********** **
AO16      *********                              **********
ISS  ***** **                                       ******************
UO22 ***                             **********
OPAL                                *********                       **
NO44 *******                              * ************             *
NO45 *******                               ************* *           *
```

Actually, I think this also assumed daylight savings time which does not
apply in the southern hemisphere right now. So these hours should be one
hour later.

de WB4APR@amsat.org, Bob

PCsat WEB page   http://www.ew.usna.edu/~bruninga/pcsat.html
ISS-APRS FAQ: http://www.ew.usna.edu/~bruninga/iss-faq.html

You are currently subscribed to aprssig as: lyris.aprssig@tapr.org
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Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

454. [aprssig] Baker to Vegas APRS and Java Monitoring

From: "Phil Pacier, AD6NH" <ad6nh@arrl.net>
Date: Wed, 17 Apr 2002 19:31:16
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-74796-2002.04.17-20.05.18--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Just wanted to drop a note to let you know of a few things I'm setting up for the Baker to Vegas relay race this weekend April 20-21. First of all, a javaAPRS monitoring page has been setup (www.ahubca.net/bakervegas.asp) for purposes of monitoring the race. Connect directly to that page and watch the runners creep along the course!

In addition, I am working the race as communications guru at Checkpoint (Stage) 13. I will have an APRS setup for spectators to monitor, and I will also be setup as a RELAY digipeater. I will use the tactical call STAGE-13 and will digipeat direct into W6KRW-2 (or N7ZEV-1, barring any controversy). I will test several paths to make sure I make it into one of the 4 neighboring IGates (WA6OFT, KF6HJO, AD6NH, and N6EX-3). If your trackers are not hitting the digis direct, set your path to RELAY and I will pick you up.

Enjoy and be safe! 73s

Phillip Pacier - AD6NH
www.ahubca.net
ahubca.net APRS Internet Server

```
port 2023 = world feed
port 14579 = CA state feed

---
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```

455. [aprssig] ADMIN: reply survey results

From: Stan Horzepa <stanzepa@earthlink.net>
Date: Wed, 17 Apr 2002 20:09:52 -0400
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-74798-2002.04.17-20.27.48--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

```
The response to the ³reply survey² has trickled down to less than none, so
the survey is now closed and the results are, as follows:

By a 2:1 margin, the folks responding to the survey prefer that replies go
to the list. Therefore, I will change the settings of APRSSPEC, APRSSIG, and
HTAPRS to reflect the results of the survey immediately..

By the way, the other TAPR SIGs I administer (APRSSAT and MIC-E) already
send replies to the list.

Stan, WA1LOU, SIG administrator



---
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```

456. [aprssig] Re: APRS broken

From: "Gregg G. Wonderly" <gregg@skymaster.c2-tech.com>
Date: Wed, 17 Apr 2002 21:07:53 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: TAPR APRS Special Interest Group <aprssig@lists.tapr.org>
Message-ID: <LYR842-74828-2002.04.17-21.41.54--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

```
>This is something that I had brought up MANY years ago but was dropped. I
>have long thought of APRS needing a backbone and even tried stirring
>interest in the mid 90's for one reason, coverage.

This might be something to try out 802.11 with.  Using the existing IGATE
software mechanisms over 802.11, it might be possible to trivally bridge
communities...

Has anyone actually tried to configure their network per Bob Bruninga's
recommendations?  Correctly balanced power on the WIDEs in concert with mid to
lower power relays with good ears would probably help to mediate some of the
issues that really loud wides create with saturation of wide areas for long
periods.

-----
gregg@c2-tech.com  (C2 Technologies Inc)



---
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To unsubscribe send a blank email to leave-aprssig-842K@lists.tapr.org
Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org
```

457. [aprssig] More weather questions

From: Earl Needham <needhame@yucca.net>
Date: Wed, 17 Apr 2002 20:24:03 -0600
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-74829-2002.04.17-21.58.36--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

```
Sooooooo.........

        I have downloaded the NWSshape files and installed them in the
c:\winaprs\NWSshape directory.  That directory shows the following files:

        c22mr002.dbf    c22mr002.shp    c22mr002.shx
        mz21fe02.dbf    mz21fe02..shp   mz21fe02..shx
        oz28se01.dbf    oz28se01.shp    oz28se01.shx
        z_16mr02.dbf    z_16mr02.shp    z_16mr02.shx

        That IS how they're supposed to be, right?

        The following messages have arrived here at my station:

LUBSVS  NWS-ADVIS       I0pAA    4      04/17 18:52     180130z,SEVERE_WEATHER,TX_Z038,
LUBSVS  NWS-ADVIS       I1LAA    6      04/17 19:22     180200z,SEVERE_WEATHER,TX_Z032,
LUBSVS  NWS-ADVIS       I1qAA    4      04/17 19:53     180215z,SEVERE_WEATHER,TX_Z026,
LUBSVR  NWS-WARN        I23AA    2      04/17 20:04     180230z,SVRTSM,TX_C269,  KING COUNTY
LUBSVS  NWS-ADVIS       I2BAA   12      04/17 20:12     180215z,SEVERE_WEATHER,TX_Z026,

        And yet, using the "New Map Square" function, I STILL don't see any
warning areas.

        Can anybody tell me what the problem is here?

        Thanks,
        Earl


Earl Needham, KD5XB, Clovis, New Mexico
KD5XB-2>APW251,PCSAT-1*:=3425.83N/10313.55W-PHG7150/WinAPRS 2.5.1
-EARL_CLOVIS -251-<630>
Did you get a letter from Nigeria offering a "deal"?  See
http://home.rica.net/alphae/419coal/ and
http://www.crimes-of-persuasion.com/Crimes/Business/nigerian.htm



---
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Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org
```

458. [aprssig] "Mac Doppler Pro" Tracking Software

From: wa4tkg@attbi.com
Date: Thu, 18 Apr 2002 02:31:23 +0000
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-74830-2002.04.17-22.05.25--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

```
I have just downloaded the above mentioned software, and
it does NOT have "PCSAT" listed by this name.
What is PCSAT's designated satellite number?
Maybe this program was written BEFORE it went up...
I hope not. It's TOO GOOD to not include PCSAT.

---
You are currently subscribed to aprssig as: lyris.aprssig@tapr.org
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Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org
```

459. [aprssig] REF: More weather questions

From: wa4tkg@attbi.com
Date: Thu, 18 Apr 2002 02:33:18 +0000
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-74831-2002.04.17-22.07.26--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

```
Hello Earl:

Did you ever SMACK those know-it-alls ?

---
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Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org
```

460. [aprssig] Re: "Mac Doppler Pro" Tracking Software

From: Earl Needham <needhame@yucca.net>
Date: Wed, 17 Apr 2002 20:36:21 -0600
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-74833-2002.04.17-22.11.05--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

```
At 02:31 AM 4/18/2002 +0000, wa4tkg@attbi.com wrote:
>I have just downloaded the above mentioned software, and
```

>it does NOT have "PCSAT" listed by this name.
>What is PCSAT's designated satellite number?

I believe it's 26931.

7 3
Earl

Earl Needham, KD5XB, Clovis, New Mexico
KD5XB-2>APW251,PCSAT-1*:=3425.83N/10313.55W-PHG7150/WinAPRS 2.5.1
-EARL_CLOVIS -251-<630>
Did you get a letter from Nigeria offering a "deal"? See
http://home.rica.net/alphae/419coal/ and
http://www.crimes-of-persuasion.com/Crimes/Business/nigerian.htm

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Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

461. [aprssig] Re: Radio installation in recent BMWs

From: Gregg Martell <gmartell@pobox.com>
Date: Wed, 17 Apr 2002 22:38:42 -0400
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-74834-2002.04.17-22.11.44--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

My previous boss was a Brit (best boss I ever had, btw) and his opinion
about British cars was that they were really well designed for getting you
from point A to point B. Going from point B back to A was the problem!!

Gregg
kb3gmv

At 06:05 AM 4/17/02 -0400, you wrote:
> So what's wrong with British Cars? I s'pose you'll be trashing the new Mini
>too. FYI its actually a German re-bake and very radio friendly. Many a
>British car has gone on to win the hearts and devotion of lots of Americans.
>Just look at the Land Rover, Jaguar, Triumph TR4/5/6, MG Spitfire to name
>but a few.
>
>IMHO you still cannot beat a mini painted in British Racing Green with a
>Union flag painted on the roof.
>
>Cool Britannia!
>
>Mark, G7LTT
>
> > Just another reason to avoid buying either a new Porsche or BMW, IMHO.   I
> > trust German cars slightly more than British cars... ;)
> > 73,
> > Mark
> > KC7BXS
>
>
>
>---
>You are currently subscribed to aprssig as: gmartell@pobox.com
>To unsubscribe send a blank email to leave-aprssig-842K@lists.tapr.org
>Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

---
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462. [aprssig] Re: "Mac Doppler Pro" Tracking Software

From: "Dennis Hudson, N2LBT" <n2lbt@n2lbt.com>
Date: Wed, 17 Apr 2002 22:54:06 -0400
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-74835-2002.04.17-22.27.52--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

On 4/17/02 10:36 PM, "Earl Needham" <needhame@yucca.net> wrote:

> At 02:31 AM 4/18/2002 +0000, wa4tkg@attbi.com wrote:

```
>> I have just downloaded the above mentioned software, and
>> it does NOT have "PCSAT" listed by this name.
>> What is PCSAT's designated satellite number?
>
>        I believe it's 26931.
>
>        7 3
>        Earl
>
>

See the web site

http://www.ew.usna.edu/~bruninga/pcsat.html

Dennis, N2LBT


---
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```

463. [aprssig] Re: Radio installation in recent BMWs

From: David VanHorn <dvanhorn@cedar.net>
Date: Wed, 17 Apr 2002 21:56:36 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-74837-2002.04.17-22.30.37--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

```
At 10:38 PM 4/17/2002 -0400, Gregg Martell wrote:
>My previous boss was a Brit (best boss I ever had, btw) and his opinion
>about British cars was that they were really well designed for getting you
>from point A to point B.  Going from point B back to A was the problem!!

Gets worse if you care where "B" ends up being.


---
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Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org
```

464. [aprssig] Path Problem with WinAPRS 2.5.1

From: Jay Millard <millardj@earthlink.net>
Date: Wed, 17 Apr 2002 23:09:38 -0400
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-74839-2002.04.17-22.43.38--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

```
Forgive in advance if this has been covered before, I tried to search the
archives to no avail.

I'm running WinAPRS 2.5.1 using a soundcard with AGWPE and a RigBlaster.
Understanding that the unproto path needs to be specified in a file named
AGWPE_Local.prt, I plugged in my desired path as
Path <tab> NA1SV-15,WIDE3-3

When I look at what is transmitted, it *appears* that the path is being
truncated (shortened) to NA1SV-15,WIDE3

I've changed it to RELAY,WIDE3-3 and this is transmitted without being cut
off.  Has anyone using a similar configuration had this problem?  I'm
assuming that a path of WIDE3 is not going to have the same results as
WIDE3-3

Any light shed on this would be appreciated.

Jay Millard
KD1LY
EC/RC Darien Chapter
American Red Cross


---
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Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org
```

465. [aprssig] Re: Path Problem with WinAPRS 2.5.1

From: Earl Needham <needhame@yucca.net>
Date: Wed, 17 Apr 2002 22:21:30 -0600
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-74846-2002.04.17-23.58.16--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

```
At 11:09 PM 4/17/2002 -0400, Jay Millard wrote:
><snip>
>I'm running WinAPRS 2.5.1 using a soundcard with AGWPE and a RigBlaster.
>Understanding that the unproto path needs to be specified in a file named
>AGWPE_Local.prt, I plugged in my desired path as
>Path <tab> NA1SV-15,WIDE3-3
>
>When I look at what is transmitted, it *appears* that the path is being
>truncated (shortened) to NA1SV-15,WIDE3
>
>I've changed it to RELAY,WIDE3-3 and this is transmitted without being cut
>off.  Has anyone using a similar configuration had this problem?  I'm
>assuming that a path of WIDE3 is not going to have the same results as
>WIDE3-3
>
>Any light shed on this would be appreciated.

         Yes, I've noticed the same thing.  I believe either the
AGWPE_local.prt or else AGWPE itself has a limit on the number of
characters that can be in the path statement.  Unfortunately, when you find
that limit, it's usually after sending with the wrong path for quite a while...

         7 3
         Earl


Earl Needham, KD5XB, Clovis, New Mexico
KD5XB-2>APW251,PCSAT-1*:=3425.83N/10313.55W-PHG7150/WinAPRS 2.5.1
-EARL_CLOVIS -251-<630>
Did you get a letter from Nigeria offering a "deal"?  See
http://home.rica.net/alphae/419coal/ and
http://www.crimes-of-persuasion.com/Crimes/Business/nigerian.htm


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```

---

466. [aprssig] findu.com backup status

From: "Guy Story, KC5GOI" <kc5goi@kc5goi.net>
Date: Wed, 17 Apr 2002 23:25:19 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-74857-2002.04.18-00.07.56--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

```
Hello everyone.  A long awaited update has occured on the credit list page and
the status page.  A nice suprise waits everyone.  If you are planning to send
in a donation, please do so before April 30th.  After all checks clear, we
will be ordering the server from Dell.  Due to the amounts we have onhand and
the outstanding pledged or in the mail amounts,  Several "upgrades" will
occur.  Make no mistake, the onsite, next day warranty will be purchased
.When we place the order for the server, I will post on the status page its
hardware.  I am reluctant to issue any sort of time table at this time since
I do not know when all the checks will clear and how long it will take Dell
to build the server.  I am going to wait one week after April 30th for any
delayed mail to arrive.  Most of you should start to see checks clearing by
April 27th.  The DCARC treasurer is processing all the checks DCARC has
recieved this week.  When I get a copy of his list, I will post the offical
ammounts.  Please look over the credit page for any typos, missing calls or
incorrect info.

http://www.kc5goi.net/findu/index.html
http://www.kc5goi.net/findu/status.html
http://www.kc5goi.net/findu/findu_credit_list.htm

73

--
Guy Story, KC5GOI
Itel-Tigerbyte LLC
gstory@tigerbyte.com
```

940.891.4575

---
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Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

467. [aprssig] Re: HF Freq's

From: "Alan Leech" <alanwl@infogen.net.nz>
Date: Thu, 18 Apr 2002 06:41:23 +1200
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-74873-2002.04.18-04.59.59--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Thanks guys, for the replies concerning APRS on HF..

So far I've not had any success with the freq's suggested but I'll keep
on tryin'. I suspect this is due to my rather crude facillities, is
that how you spell facillities? I only have an "Olde" Yaesu FRG-7700
receiver and am using an ancient Digicom modem, which was designed for
the old Commodore C-64. Works great on VHF. It does function on 300bd as
I have copied other HF packet, just no APRS.

Freq's suggested, so far are, MHz:

10.149, 10.151, 14.105, 14.105.5 and 18.100.

73 de Alan, ZL2VAL.

-- Arachne V1.70;rev.3, NON-COMMERCIAL copy, http://arachne.cz/

---
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To unsubscribe send a blank email to leave-aprssig-842K@lists.tapr.org
Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

468. [aprssig] Re: "Mac Doppler Pro" Tracking Software

From: "Ronald Reams" <wa4mjf@worldnet.att.net>
Date: Thu, 18 Apr 2002 06:28:25 -0400
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-74875-2002.04.18-06.01.52--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

NO-44

73 de Ronnie

----- Original Message -----
From: <wa4tkg@attbi.com>
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Sent: Wednesday, April 17, 2002 22:31
Subject: [aprssig] "Mac Doppler Pro" Tracking Software

I have just downloaded the above mentioned software, and
it does NOT have "PCSAT" listed by this name.
What is PCSAT's designated satellite number?
Maybe this program was written BEFORE it went up...
I hope not. It's TOO GOOD to not include PCSAT.

---
You are currently subscribed to aprssig as: wa4mjf@worldnet.att.net
To unsubscribe send a blank email to leave-aprssig-842K@lists.tapr.org
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To unsubscribe send a blank email to leave-aprssig-842K@lists.tapr.org
Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

469. [aprssig] Re: More weather questions

From: dale huguley <kg5qd@earthlink.net>
Date: Thu, 18 Apr 2002 07:13:03 -0400
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>

Message-ID: <LYR842-74876-2002.04.18-06.47.25--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

```
Earl Needham wrote:
>
>     Sooooooo.........
>
>     I have downloaded the NWSshape files and installed them in the
> c:\winaprs\NWSshape directory.  That directory shows the following files:
>
>     c22mr002.dbf    c22mr002.shp    c22mr002.shx
>     mz21fe02.dbf    mz21fe02..shp    mz21fe02..shx
>     oz28se01.dbf    oz28se01.shp    oz28se01.shx
>     z_16mr02.dbf    z_16mr02.shp    z_16mr02.shx
>
>     That IS how they're supposed to be, right?
>

Earl & the Sig-
I did some experimentation this morning and discovered that if you don't
have the County Warning Areas shapefiles loaded, you don't get all the
counties to light up. Current zip is available at:

http://isl715.nws.noaa.gov/mapdata/newcat/amdc/wsom/w_30nv01.zip

The CWA were originally needed for the Severe Weather Outlook (SKYWARN)
notices-- which have been moved to message groups.

73 de kg5qd Dale


---
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```

470. [aprssig] Re: Path Problem with WinAPRS 2.5.1

From: Alex <kr1st@amsat.org>
Date: Thu, 18 Apr 2002 08:36:28 -0400
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-74889-2002.04.18-08.10.40--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

```
Hi Jay,

Yes, that is a very annoying problem and one of the reasons I stopped
using WinAPRS. You can not do anything about it until the Sprouls decide
to fix it. Path lengths can not exceed 14 characters when you want to
use the AGWPE.

I reported this problem to them (and on the list) in July last year and
I'm sure others have done the same, probably even sooner than me. It is
a very trivial fix for them and they could have made an interim release
available. At least that would have shown some responsibility to their
paying customers. Especially since correct path settings are so
fundamental to APRS it should have been a priority to them.

If you plan on using AGWPE with a path setting other than WIDEn-N, don't
bother plunking down $60 for WinAPRS, go with UI-View.

73s,
--Alex

Jay Millard wrote:
>
> Forgive in advance if this has been covered before, I tried to search the
> archives to no avail.

---
You are currently subscribed to aprssig as: lyris.aprssig@tapr.org
To unsubscribe send a blank email to leave-aprssig-842K@lists.tapr.org
Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org
```

471. [aprssig] REF: HF APRS Freq's

From: wa4tkg@attbi.com
Date: Thu, 18 Apr 2002 13:34:22 +0000
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-74895-2002.04.18-09.08.33--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Hello Again:
I don't know how well callibrated your receiver is, but
the frequency I stated, according to MY radio
(IC-706MKIIG)is 14.105.5LSB.

When I lived in Tokyo, I found a BBS on 21.103 or so.
It is DU9DX I think. You may like to tinker around with
that.
Also, there is a DX CLUSTER on 10.139 or so, if you're
interested in that sorta' stuff.
Of course, I have been back in the USA for about 3 years
now, so not sure if ANY of these are still active.

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To unsubscribe send a blank email to leave-aprssig-842K@lists.tapr.org
Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

472. [aprssig] Re: ADMIN: reply survey results

From: Bob Bruninga <bruninga@usna.edu>
Date: Thu, 18 Apr 2002 09:38:42 -0400 (EDT)
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: TAPR APRS Special Interest Group <aprssig@lists.tapr.org>
Message-ID: <LYR842-74897-2002.04.18-09.16.03--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

On Wed, 17 Apr 2002, Stan Horzepa wrote:

> By a 2:1 margin, the folks responding to the survey prefer that replies go
> to the list. Therefore, I will change the settings of APRSSPEC, APRSSIG, and
> HTAPRS to reflect the results of the survey immediately..

Unfortunately, I fear, your results may be completely ambiguous. REPLIES
already go to the list, so I dont see why you have to change anything?
When I hit REPLY, my mailer asks REPLY-TO-ALL and if you just hit ENTER
then it replies to the SENDER and to the LIST automatically.

THus, My vote for "REPLY to LIST" was a vote to LEAVE IT THE WAY IT IS...
But apparently it was counted as a vote for change?

> By the way, the other TAPR SIGs I administer (APRSSAT and MIC-E) already
> send replies to the list.

I just went and checked and those SIG settings are NOT DESIRED. WHen I
hit REPLY there, my mailer asks me "Use REPLY-TO ADDRESS" or SENDER?
This now is totally ambiguous, because now I have to stop and go back and
READ the entire ADDRESS list to see what is in the REPLY-TO header. Only
then can I answer the question properly. This unnecessary cognitive
step is COMPLETELY an impediment to rapid and efficeint emailing

The way APRSSAT and MIC-E are set up is NOT the way to do it...

I retract my vote and was confused by the question (or was too stupid to
figure out the real underlying queston in the first place)...
I wonder how many others who said REPLY-TO-LIST were saying LEAVE IT THE
WAY IT IS...?

de WB4APR, Bob

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Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

473. [aprssig] Re: ADMIN: reply survey results

From: Earl Needham <needhame@yucca.net>
Date: Thu, 18 Apr 2002 07:56:17 -0600
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-74901-2002.04.18-09.32.53--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

At 09:38 AM 4/18/2002 -0400, Bob Bruninga wrote:
>On Wed, 17 Apr 2002, Stan Horzepa wrote:
>
> > By a 2:1 margin, the folks responding to the survey prefer that replies go
> > to the list. Therefore, I will change the settings of APRSSPEC,
> APRSSIG, and

> > HTAPRS to reflect the results of the survey immediately..
>
>Unfortunately, I fear, your results may be completely ambiguous. REPLIES
>already go to the list, so I dont see why you have to change anything?

It does NOW, before the 17th or so, replies went to the original sender. As proof, select a message from a week or two ago and reply to it.

><snip>
> > By the way, the other TAPR SIGs I administer (APRSSAT and MIC-E) already
> > send replies to the list.
>
>I just went and checked and those SIG settings are NOT DESIRED. WHen I
>hit REPLY there, my mailer asks me "Use REPLY-TO ADDRESS" or SENDER?
>This now is totally ambiguous, because now I have to stop and go back and
>READ the entire ADDRESS list to see what is in the REPLY-TO header. Only
>then can I answer the question properly.   This unnecessary cognitive
>step is COMPLETELY an impediment to rapid and efficeint emailing
>
>The way APRSSAT and MIC-E are set up is NOT the way to do it...

It works very well in Eudora, and I suspect most other mailers. I have no idea about Pine, but I know I occasionally receive some stuff from various people using Pine and I can't always read it. It makes me suspect Pine does things a bit differently. I'm assuming you still use Pine, right?

>I retract my vote and was confused by the question (or was too stupid to
>figure out the real underlying queston in the first place)...
>I wonder how many others who said REPLY-TO-LIST were saying LEAVE IT THE
>WAY IT IS...?

It's always your privilege to change your mind, but I'm not sure another recount is necessary. <G>

7 3
Earl

Earl Needham, KD5XB, Clovis, New Mexico
KD5XB-2>APW251,PCSAT-1*:=3425.83N/10313.55W-PHG7150/WinAPRS 2.5.1
-EARL_CLOVIS -251-<630>
Did you get a letter from Nigeria offering a "deal"? See
http://home.rica.net/alphae/419coal/ and
http://www.crimes-of-persuasion.com/Crimes/Business/nigerian.htm

---
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Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

---

474. [aprssig] Re: "Mac Doppler Pro" Tracking Software

From: Earl Needham <needhame@yucca.net>
Date: Thu, 18 Apr 2002 07:57:54 -0600
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-74902-2002.04.18-09.32.55--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

At 06:28 AM 4/18/2002 -0400, Ronald Reams wrote:
>NO-44

Sorry, the OBJECT NUMBER is 26931. NO-44 is another designator we use, but vary few tracking programs or TLE's will find objects in that manner. 26931 is what they look for.

7 3
Earl

Earl Needham, KD5XB, Clovis, New Mexico
KD5XB-2>APW251,PCSAT-1*:=3425.83N/10313.55W-PHG7150/WinAPRS 2.5.1
-EARL_CLOVIS -251-<630>
Did you get a letter from Nigeria offering a "deal"? See
http://home.rica.net/alphae/419coal/ and
http://www.crimes-of-persuasion.com/Crimes/Business/nigerian.htm

---
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---

475. [aprssig] Re: ADMIN: reply survey results

From: "Mike Yetsko" <myetsko@insydesw.com>
Date: Thu, 18 Apr 2002 10:07:11 -0400
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: <stanzepa@earthlink.net>
Message-ID: <LYR842-74905-2002.04.18-09.42.47--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Now it's broke...

If I hit reply, it responds to the list.

If I hit reply all, it sends THREE copies to the list.

NOWHERE does it respond to the individual poster. I have to manually
enter the address. (Yes, I had to 'cut and paste' your address in Stan.

Sorry, but that's kinda busted. It may be good for antispamming, but
since the email address could be gathered from the body anyway...

Well, it's been fixed till it's broke.

Mike

---
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---

476. [aprssig] Re: ADMIN: reply survey results

From: Robbie Robertson <mwrobertson@attbi.com>
Date: Thu, 18 Apr 2002 09:12:36 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-74906-2002.04.18-09.46.52--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Well, I too am disappointed, I use Netscape and when I clicked on
Reply before, it went to the sender only.. When I clicked on
Reply to All, it went to the sender and the Sig..

Now, regardless which one I click on, it goes to the sig which is
not right.. If I want to reply off sig, I should not have to
create a new post with copy and paste or what ever..

It should not have been changed to this method.. Sorry Stan, I
know you can't please everybody, but this is goofy!

Robbie

Bob Bruninga wrote:
>
> On Wed, 17 Apr 2002, Stan Horzepa wrote:
>
> > By a 2:1 margin, the folks responding to the survey prefer that replies go
> > to the list. Therefore, I will change the settings of APRSSPEC, APRSSIG, and
> > HTAPRS to reflect the results of the survey immediately..
>
> Unfortunately, I fear, your results may be completely ambiguous. REPLIES
> already go to the list, so I dont see why you have to change anything?
> When I hit REPLY, my mailer asks REPLY-TO-ALL and if you just hit ENTER
> then it replies to the SENDER and to the LIST automatically.
>
> THus, My vote for "REPLY to LIST" was a vote to LEAVE IT THE WAY IT IS...
> But apparently it was counted as a vote for change?
>
> > By the way, the other TAPR SIGs I administer (APRSSAT and MIC-E) already
> > send replies to the list.
>
> I just went and checked and those SIG settings are NOT DESIRED. WHen I
> hit REPLY there, my mailer asks me "Use REPLY-TO ADDRESS" or SENDER?
> This now is totally ambiguous, because now I have to stop and go back and
> READ the entire ADDRESS list to see what is in the REPLY-TO header. Only
> then can I answer the question properly. This unnecessary cognitive
> step is COMPLETELY an impediment to rapid and efficeint emailing

>
> The way APRSSAT and MIC-E are set up is NOT the way to do it...
>
> I retract my vote and was confused by the question (or was too stupid to
> figure out the real underlying queston in the first place)...
> I wonder how many others who said REPLY-TO-LIST were saying LEAVE IT THE
> WAY IT IS...?
>
> de WB4APR, Bob
>
> ---
> You are currently subscribed to aprssig as: mwrobertson@attbi.com
> To unsubscribe send a blank email to leave-aprssig-842K@lists.tapr.org
> Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

--

- Robbie Robertson -
...-.- wa9inf ...-.-

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Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

477. [aprssig] Did a worm hit the membership yesterday?

From: "Mike Yetsko" <myetsko@insydesw.com>
Date: Thu, 18 Apr 2002 10:12:06 -0400
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-74909-2002.04.18-09.52.53--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

It seems early this week a worm let loose. I got a FLOOD of emails (17
on wednesday alone) that were all of the same type. "Congratulations!"
or "let's be friends". All had 'suspicious' attachments. (However, when I
saved off some of them and ran this weeks update from Noron against
them, they passed. I still blew them off.)

The only reason I'm sending this to the list is about 1/3 of the email
addresses
came from people I recognized as from this list. But when I tried to
reply
to say "You sent me a virus" I got postmaster errors in about half the
cases.

Doesn't that mean that the viri didn't really come from the people on this
list, but the emails were disguised to appear as if they did?

Mike

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Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

478. [aprssig] Re: ADMIN: reply survey results

From: Bob Bruninga <bruninga@usna.edu>
Date: Thu, 18 Apr 2002 10:19:31 -0400 (EDT)
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-74910-2002.04.18-09.54.00--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

On Thu, 18 Apr 2002, Earl Needham wrote:

> >Unfortunately, I fear, your results may be completely ambiguous. REPLIES
> >already go to the list, so I dont see why you have to change anything?
>
> It does NOW, before the 17th or so, replies went to the original
> sender. As proof, select a message from a week or two ago and reply to it.

Im not sure what you mean. When I hit REPLY, the reply goes to BOTH the
sender and the list, the same way it has for the last 8 years that I can
remember... I have to manually tell it not to reply to the list.. If all
this hubub is because the senders dont like getting a DIRECT reply (dupe),
then I think this is no big deal and not worth a change...

> > > By the way, the other TAPR SIGs I administer (APRSSAT and MIC-E) already

> > > send replies to the list.
> >
> >I just went and checked and those SIG settings are NOT DESIRED. WHen I
> >hit REPLY there, my mailer asks me "Use REPLY-TO ADDRESS" or SENDER?
> >This now is totally ambiguous, because now I have to stop and go back and
> >READ the entire ADDRESS list to see what is in the REPLY-TO header. Only
> >then can I answer the question properly.   This unnecessary cognitive
> >step is COMPLETELY an impediment to rapid and efficeint emailing
> >
> >The way APRSSAT and MIC-E are set up is NOT the way to do it...
>
>   It works very well in Eudora, and I suspect most other mailers. I
> have no idea about Pine, but I know I occasionally receive some stuff from
> various people using Pine and I can't always read it. It makes me suspect
> Pine does things a bit differently. I'm assuming you still use Pine, right?

Yes, not everyone uses Eudora..

> >I retract my vote and was confused by the question (or was too stupid to
> >figure out the real underlying queston in the first place)...
> >I wonder how many others who said REPLY-TO-LIST were saying LEAVE IT THE
> >WAY IT IS...?

Apparently then EMAIL systems are not consistent, so then the survey
appears to have been worded to mirror only the result of the Bill Gates
majority... hummh...

I adapt and evolve...
Bob

---
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---

479. [aprssig] Re: "Mac Doppler Pro" Tracking Software

From: "Ronald Reams" <wa4mjf@worldnet.att.net>
Date: Thu, 18 Apr 2002 10:26:54 -0400
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-74912-2002.04.18-10.00.35--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

True, but if you have a list of keps from the
ARRL, for example, and you don't know the
object number. Just scroll down to you find
the name (NO-44 in this case) and you will
see the object number.

To me, rememberin' NO-44 is easier than 26931!

73 de Ronnie

----- Original Message -----
From: "Earl Needham" <needhame@yucca.net>
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Sent: Thursday, April 18, 2002 09:57
Subject: [aprssig] Re: "Mac Doppler Pro" Tracking Software

At 06:28 AM 4/18/2002 -0400, Ronald Reams wrote:
>NO-44

Sorry, the OBJECT NUMBER is 26931. NO-44 is another designator we
use, but vary few tracking programs or TLE's will find objects in that
manner. 26931 is what they look for.

7 3
Earl

Earl Needham, KD5XB, Clovis, New Mexico
KD5XB-2>APW251,PCSAT-1*:=3425.83N/10313.55W-PHG7150/WinAPRS 2.5.1
-EARL_CLOVIS -251-<630>
Did you get a letter from Nigeria offering a "deal"? See
http://home.rica.net/alphae/419coal/ and

http://www.crimes-of-persuasion.com/Crimes/Business/nigerian.htm

---
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Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

480. [aprssig] Any other APRS Interface units besides...

From: "J.Duffy Beischel" <wb8nut@arrl.net>
Date: Thu, 18 Apr 2002 9:26:37
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-74913-2002.04.18-10.00.47--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

....the Tiny Trak and the Tiger Trak units?

Thanks,

Duffy
www.wb8nut.com

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To unsubscribe send a blank email to leave-aprssig-842K@lists.tapr.org
Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

481. [aprssig] Re: ADMIN: reply survey results

From: "Ronald Reams" <wa4mjf@worldnet.att.net>
Date: Thu, 18 Apr 2002 10:29:09 -0400
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-74916-2002.04.18-10.02.59--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Well, I think it is convienient, that way everyone
in the SIGROUP sees everything.

And I know Earl likes it :-)

73 de Ronnie

----- Original Message -----
From: "Robbie Robertson" <mwrobertson@attbi.com>
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Sent: Thursday, April 18, 2002 10:12
Subject: [aprssig] Re: ADMIN: reply survey results

Well, I too am disappointed, I use Netscape and when I clicked on
Reply before, it went to the sender only.. When I clicked on
Reply to All, it went to the sender and the Sig..

Now, regardless which one I click on, it goes to the sig which is
not right.. If I want to reply off sig, I should not have to
create a new post with copy and paste or what ever..

It should not have been changed to this method.. Sorry Stan, I
know you can't please everybody, but this is goofy!

Robbie

Bob Bruninga wrote:
>
> On Wed, 17 Apr 2002, Stan Horzepa wrote:
>
> > By a 2:1 margin, the folks responding to the survey prefer that replies
go
> > to the list. Therefore, I will change the settings of APRSSPEC, APRSSIG,
and
> > HTAPRS to reflect the results of the survey immediately..
>
> Unfortunately, I fear, your results may be completely ambiguous. REPLIES
> already go to the list, so I dont see why you have to change anything?
> When I hit REPLY, my mailer asks REPLY-TO-ALL and if you just hit ENTER

```
> then it replies to the SENDER and to the LIST automatically.
>
> THus, My vote for "REPLY to LIST" was a vote to LEAVE IT THE WAY IT IS...
> But apparently it was counted as a vote for change?
>
> > By the way, the other TAPR SIGs I administer (APRSSAT and MIC-E) already
> > send replies to the list.
>
> I just went and checked and those SIG settings are NOT DESIRED.  WHen I
> hit REPLY there, my mailer asks me "Use REPLY-TO ADDRESS" or SENDER?
> This now is totally ambiguous, because now I have to stop and go back and
> READ the entire ADDRESS list to see what is in the REPLY-TO header.  Only
> then can I answer the question properly.   This unnecessary cognitive
> step is COMPLETELY an impediment to rapid and efficeint emailing
>
> The way APRSSAT and MIC-E are set up is NOT the way to do it...
>
> I retract my vote and was confused by the question (or was too stupid to
> figure out the real underlying queston in the first place)...
> I wonder how many others who said REPLY-TO-LIST were saying LEAVE IT THE
> WAY IT IS...?
>
> de WB4APR, Bob
>
--



---
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Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org
```

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482. [aprssig] Re: Path Problem with WinAPRS 2.5.1 <LYR28261-74889-2002.04.18-08.10.40--millardj#earthlink.net@lists.tapr.org>

From: Jay Millard <millardj@earthlink.net>
Date: Thu, 18 Apr 2002 10:31:26 -0400
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-74927-2002.04.18-10.07.31--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

```
Thanks Alex for the reply.  I've been a loyal supporter of the Sprouls'
efforts since MacAPRS first came on the scene.  Let's hope that your little
"nudge" will have a positive effect.  Keith and Mark, please fix this
problem for me and the others who have supported your work.

Jay
KD1LY

> From: Alex <kr1st@amsat.org>
> Reply-To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
> Date: Thu, 18 Apr 2002 08:36:28 -0400
> To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
> Subject: [aprssig] Re: Path Problem with WinAPRS 2.5.1

<snip>

> I reported this problem to them (and on the list) in July last year and
> I'm sure others have done the same, probably even sooner than me. It is
> a very trivial fix for them and they could have made an interim release
> available.

<snip>


---
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To unsubscribe send a blank email to leave-aprssig-842K@lists.tapr.org
Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org
```

---

483. [aprssig] Re: ADMIN: reply survey results

From: Earl Needham <needhame@yucca.net>
Date: Thu, 18 Apr 2002 08:26:36 -0600
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-74928-2002.04.18-10.09.20--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

At 09:12 AM 4/18/2002 -0500, Robbie Robertson wrote:
>Well, I too am disappointed, I use Netscape and when I clicked on
>Reply before, it went to the sender only.. When I clicked on
>Reply to All, it went to the sender and the Sig..

So why would you want the original sender to receive TWO copies?

Just curious,
Earl

Earl Needham, KD5XB, Clovis, New Mexico
KD5XB-2>APW251,PCSAT-1*:=3425.83N/10313.55W-PHG7150/WinAPRS 2.5.1
-EARL_CLOVIS -251-<630>
Did you get a letter from Nigeria offering a "deal"? See
http://home.rica.net/alphae/419coal/ and
http://www.crimes-of-persuasion.com/Crimes/Business/nigerian.htm

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Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

---

484. [aprssig] Re: ADMIN: reply survey results

From: Bob Bruninga <bruninga@usna.edu>
Date: Thu, 18 Apr 2002 10:33:30 -0400 (EDT)
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: stanzepa@earthlink.net
Message-ID: <LYR842-74929-2002.04.18-10.09.42--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

On Thu, 18 Apr 2002, Mike Yetsko wrote:

> Now it's broke...
> If I hit reply, it responds to the list.
> If I hit reply all, it sends THREE copies to the list.

OK, I guess we all need to include in our comments what kind of system we are using, or our comments are hard to correlate. Here is the NEW RESULT using PINE. These are my keystrokes and the result:

```
R  => "include original in reply? (y/N)"   (default is no)
Y  => "use REPLY-TO or SENDER?" (I have to go back & read the address list)
R  => "Reply to All? (y/N))"
Y
```

so now I have an added step and I have to cognitate and read the address list to see who's reply to it is going to. Many times individuals also have REPLY-TO addfresses, and so you HAVE to read all the addresses to see what the heck REPLY-TO is going to do. I dont like this added cognitive step... but PINE may be a minority...

Bob

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Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

---

485. [aprssig] Re: Did a worm hit the membership yesterday?

From: "Ronald Reams" <wa4mjf@worldnet.att.net>
Date: Thu, 18 Apr 2002 10:37:06 -0400
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-74930-2002.04.18-10.10.46--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Mike, I guess that is a mystery of life, I got one like that
and just deleted it. Came from someone named Dan
and I don't know a Dan so I just hit the ole delete key.

Many EMails I get that are really ads come from bad
EMail addys. I always reply to a spam with the spam they
sent me with a impolite cussin out and a bunch bounce.
I wish they would get them, but such is life in the cyber world. :-(

73 de Ronnie

----- Original Message -----
From: "Mike Yetsko" <myetsko@insydesw.com>
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Sent: Thursday, April 18, 2002 10:12
Subject: [aprssig] Did a worm hit the membership yesterday?

It seems early this week a worm let loose. I got a FLOOD of emails (17 on wednesday alone) that were all of the same type. "Congratulations!" or "let's be friends". All had 'suspicious' attachments. (However, when I saved off some of them and ran this weeks update from Noron against them, they passed. I still blew them off.)

The only reason I'm sending this to the list is about 1/3 of the email addresses
came from people I recognized as from this list. But when I tried to reply
to say "You sent me a virus" I got postmaster errors in about half the cases.

Doesn't that mean that the viri didn't really come from the people on this list, but the emails were disguised to appear as if they did?

Mike

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486. [aprssig] Re: ADMIN: reply survey results

From: Steve Dimse <k4hg@tapr.org>
Date: Thu, 18 Apr 2002 10:43:37 -0400
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-74934-2002.04.18-10.21.21--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

On 4/18/02 10:19 AM, bruninga@usna.edu (Bob Bruninga) wrote:

>Im not sure what you mean. When I hit REPLY, the reply goes to BOTH
>the sender and the list, the same way it has for the last 8 years
>that I can remember... I have to manually tell it not to reply to
>the list.. If all this hubub is because the senders dont like
>getting a DIRECT reply (dupe), then I think this is no big deal and
>not worth a change...
>
This is a user interface issue, sounds like Bob's email app is like mine, it replies to all, and does not have the option to reply only to sender. For those of us in this boat, the recent change is a large problem...

Steve K4HG

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487. [aprssig] Re: ADMIN: reply survey results

From: Steve Dimse <k4hg@tapr.org>
Date: Thu, 18 Apr 2002 10:38:44 -0400
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-74935-2002.04.18-10.21.47--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

I did not make a vote because my mailer always relies to all, and I delete those I don't want, so I thought for me the result would be the same. It is not however, I cannot send a private message to the sender without opening the header and cutting and pasting. Since most of my responses are just to the sender, I do not like this.

I think given this unexpected result Stan should hold another vote...

Steve K4HG

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---

488. [aprssig] Re: Did a worm hit the membership yesterday?

From: Ken Collins <g4fip@btinternet.com>
Date: Thu, 18 Apr 2002 14:45:27 +0000
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-74937-2002.04.18-10.22.16--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

In message
<LYR26201-74909-2002.04.18-09.52.53--g4fip#btinternet.com@lists.tapr.org>
, Mike Yetsko <myetsko@insydesw.com> writes
>It seems early this week a worm let loose. I got a FLOOD of emails (17
>on wednesday alone) that were all of the same type. "Congratulations!"
>or "let's be friends". All had 'suspicious' attachments. (However,
>when I saved off some of them and ran this weeks update from Noron
>against them, they passed. I still blew them off.)

This is the W32.Klez.H@mm virus. It's a real nasty one and is spreading
rapidly.

For fuller details go to:-

http://www.symantec.com

--
Ken Collins - G4FIP
E-mail:- g4fip@btinternet.com
http://www.btinternet.com/~g4fip

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---

489. [aprssig] Re: ADMIN: reply survey results

From: "Jeff King" <transit_man@hotmail.com>
Date: Thu, 18 Apr 2002 14:47:25 +0000
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-74936-2002.04.18-10.22.02--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Robbie Robertson <mwrobertson@attbi.com> wrote:

>Well, I too am disappointed, I use Netscape and when I clicked on
>Reply before, it went to the sender only.. When I clicked on
>Reply to All, it went to the sender and the Sig..

An additional benefit of the old (and should I say proper) method is it caused one to pause and think.... do I really want to say what I am saying to the public list or just to the sender? Most mailers (Bob's excluded) when you hit reply, only reply to the sender, or what the X-mailer claims is the reply-to address. So, in the past to send to everyone on the list, you had to hit "reply-all".

All this is going to do is lower the S/N more and these polls are meaningless anyways. The moderator should just do what he thinks is best as you'll never please everyone and no poll is perfect. I think all he has done is increase his workload as the list is going to see more traffic (as stuff that could/should be private will now be to the list).

>It should not have been changed to this method.. Sorry Stan, I
>know you can't please everybody, but this is goofy!

I liked the old way better also, but then again, I didn't speak up during the "poll" so if that is how this SIG is going to be run, I guess we are all SOL.

-Jeff

P.S. I use both hotmail and pocomail and both treat reply and reply-all properly

____
Join the world□s largest e-mail service with MSN Hotmail.
http://www.hotmail.com

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---

490. [aprssig] Re: ADMIN: reply survey results

From: "Gregg G. Wonderly" <gregg@skymaster.c2-tech.com>
Date: Thu, 18 Apr 2002 09:50:44 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-74938-2002.04.18-10.25.18--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

>Apparently then EMAIL systems are not consistent, so then the survey
>appears to have been worded to mirror only the result of the Bill Gates
>majority... hummh...

I use MH and EXMH via VNC from our server. Reply goes to the list and reply all goes to the list and the sender now.

-----
gregg@c2-tech.com (C2 Technologies Inc)

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Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

---

491. [aprssig] Re: ADMIN: reply survey results

From: "Gregg G. Wonderly" <gregg@skymaster.c2-tech.com>
Date: Thu, 18 Apr 2002 09:54:09 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-74939-2002.04.18-10.30.58--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

> So why would you want the original sender to receive TWO copies?
>
> Just curious,

Sometimes the listserver is broken, sometimes users read lists from the web. Sending them a direct reply is often more expedicious and provides for better communications! Or, maybe we should change APRS so that it only works over the APRS IS system so that everyone would see everyones traffic all over the world?

-----
gregg@c2-tech.com (C2 Technologies Inc)

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---

492. [aprssig] Re: "Mac Doppler Pro" Tracking Software <LYR19806-74912-2002.04.18-10.00.35--ssbrockw#swbell.net@lists.tapr.org>

From: Steve <ssbrockw@swbell.net>
Date: Thu, 18 Apr 2002 09:58:49 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-74940-2002.04.18-10.36.45--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

I think that the point is that any good tracking program should use the official OBJECT NUMBER instead of a name like NO-44 or PCSAT. NORAD and NASA only uses the number and could care less what we call them on the "outside".

My tracking program still has the satellite listed as PCSAT so it wouldn't update the keps properly if using the name function only. Better to use the number.

>
> True, but if you have a list of keps from the
> ARRL, for example, and you don't know the
> object number. Just scroll down to you find
> the name (NO-44 in this case) and you will
> see the object number.
>
> To me, rememberin' NO-44 is easier than 26931!

Yes, you are right. For us mere humans it is easier to remember a name than
a number.

>
> 73 de Ronnie

73,
Steve
KA5YFC

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---

493. [aprssig] Re: ADMIN: reply survey results

From: "Horzepa, Stan" <SHorzepa@c-cor.net>
Date: Thu, 18 Apr 2002 11:00:04 -0400
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-74941-2002.04.18-10.39.53--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

I counted your vote correctly, Bob. First, you voted in favor of the change,
then you withdrew that vote and voted against the change. (I accept your
apology.)

How your (or anybody else's) mailer interacts with the SIG settings is
mailer dependent. You say that when you hit the REPLY button, your mailer
asks "Use REPLY-TO ADDRESS" or SENDER?" When I hit the REPLY button, my
mailer does not ask anything and simply addresses the message to the list.

It is impossible to set up Lyris to be compatible with every mailer used by
its 1200 subscribers, but it is possible for the SIG subscribers to option
their mailer software to interact with the SIG in a way that is more to
their liking or find a new mailer that operates more to their liking.

Regards,

Stan, WA1LOU

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---

494. [aprssig] Re: ADMIN: reply survey results

From: "Horzepa, Stan" <SHorzepa@c-cor.net>
Date: Thu, 18 Apr 2002 11:07:43 -0400
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-74952-2002.04.18-10.57.58--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Hello Jeff,

Correction: Those who voted against the change or did not vote at all are
SOL. Those who did vote for the change are HAPIS.

73,

Stan, WA1LOU

> -----Original Message-----
> From: Jeff King [mailto:transit_man@hotmail.com]

> I liked the old way better also, but then again, I didn't
> speak up during
> the "poll" so if that is how this SIG is going to be run, I

```
> guess we are all
> SOL.
>

---
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```

495. [aprssig] Re: Did a worm hit the membership yesterday?

From: Jim Duncan <jdbandman@earthlink.net>
Date: Thu, 18 Apr 2002 10:19:23 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-74953-2002.04.18-10.59.19--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

```
This is the latest virus that's out and about.  It's detailed on MSN but
it contains it's OWN email engine.  Nasty little bugger....  The reply
to addresses are spoofed by the virus which is why you get unknown user
or postmaster errors.
--
73 de Jim, KU0G
Chairman/Coordinator
Kansas City APRS Working Group, W0APR
First Alert Storm Team KMBC-TV9
Mailto:ku0g@kcaprs.org
Webpage: http://www.kcaprs.org

---
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```

496. [aprssig] Re: ADMIN: reply survey results

From: "Richard Amirault" <ramirault@erols.com>
Date: Thu, 18 Apr 2002 11:06:30 -0400
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-74954-2002.04.18-11.02.51--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

```
PINE?  Yes, I still use it ... but not for this list.

Bob, I'm not sure *why* you need to "...go back & read the address list"
If there _is_ a "Reply To" field then isn't that where they should expect
reply's to go?  As I understand it, if there is _no_ "Reply To" field then
PINE does not ask the question.

But, I'm sure, PINE users are a minority of users here (and most everyplace
else, too)

With Outlook Express, now when I hit Reply it goes to the list. Reply All
shows two copies of the list address in the "To" field (and if the sender
CC'd someone that address will be in the CC field)  BUT I think the list
software filters out the dup message.

I'm happy with this.

Richard Amirault                           N1JDU                 Boston,
MA, USA
ramirault@erols.com              "Go Fly A Kite"
http:// www.erols.com/ramirault
----- Original Message -----
From: "Bob Bruninga" <bruninga@usna.edu>
Subject: [aprssig] Re: ADMIN: reply survey results


> On Thu, 18 Apr 2002, Mike Yetsko wrote:
>
> > Now it's broke...
> > If I hit reply, it responds to the list.
> > If I hit reply all, it sends THREE copies to the list.
>
> OK, I guess we all need to include in our comments what kind of system we
> are using, or our comments are hard to correlate.  Here is the NEW RESULT
> using PINE.  These are my keystrokes and the result:
>
> R  => "include original in reply? (y/N)"   (default is no)
> Y  => "use REPLY-TO or SENDER?" (I have to go back & read the address
list)
```

```
> R  => "Reply to All? (y/N))"
> Y
>
> so now I have an added step and I have to cognitate and read the address
> list to see who's reply to it is going to.  Many times individuals also
> have REPLY-TO addfresses, and so you HAVE to read all the addresses to
see
> what the heck REPLY-TO is going to do.  I dont like this added cognitive
> step... but PINE may be a minority...


---
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```

---

497. [aprssig] REF: "Mac Doppler Pro" Tracking Software

From: Matthew Stennett <WA4TKG@attbi.com>
Date: Thu, 18 Apr 2002 11:45:50 -0400
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-74955-2002.04.18-11.20.25--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

```
O.K.; Whatever:
I was looking for NO-44.
(thanks Ron)
Yes Earl; very FEW tracking programs would
have this other designator, but then again,
we are talking about a PRO's computer; Macintosh
so you KNOW it's going to " think OUTSIDE the box ".
Sorry people this program is ONLY available in Mac OS.
....too bad, it's FANTASTIC.
It has more than TWO DOZEN different sats in it.
All you do it select the one you want, and BINGO..it
shows you where it is, with NO input required.
*I think, so it appears)
Now that I know it's #, I can go back and see if
it's working properly.


Earl Needham wrote:

> At 06:28 AM 4/18/2002 -0400, Ronald Reams wrote:
> >NO-44
>
>         Sorry, the OBJECT NUMBER is 26931.  NO-44 is another designator we
> use, but vary few tracking programs or TLE's will find objects in that
> manner.  26931 is what they look for.
>
>         7 3
>         Earl


---
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Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org
```

---

498. [aprssig] Re: ADMIN: reply survey results

From: "Jeff King" <transit_man@hotmail.com>
Date: Thu, 18 Apr 2002 15:46:49 +0000
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-74956-2002.04.18-11.21.04--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

```
Stan:

The "SOL" was actually referring to the SIG being run by a "poll" of the
masses, not the actual results of the poll (which I didn't respond to, nor
do I care for). I personally think you should do what is best for you, these
polls are misunderstood/don't mean anything as we are now seeing. I think
the change will further lower the S/N on the SIG as stuff that should be
private will now be public.

-Jeff

"Horzepa, Stan" <SHorzepa@c-cor.net> wrote:

>Hello Jeff,
```

>
>Correction: Those who voted against the change or did not vote at all are
>SOL. Those who did vote for the change are HAPIS.
>
>73,

>Stan, WA1LOU

> > From: Jeff King [mailto:transit_man@hotmail.com]

> > I liked the old way better also, but then again, I didn't
> > speak up during
> > the "poll" so if that is how this SIG is going to be run, I
> > guess we are all
> > SOL.

____
Chat with friends online, try MSN Messenger: http://messenger.msn.com

---
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Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

---

499. [aprssig] Re: "Mac Doppler Pro" Tracking Software

From: Matthew Stennett <WA4TKG@attbi.com>
Date: Thu, 18 Apr 2002 11:49:05 -0400
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-74957-2002.04.18-11.24.25--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

I'm not debating what everybody wants to/may call it:
But THIS particular program has it called: NO-44 apparently.
So THAT'S how I have to bring it up to view it.

Steve wrote:

> I think that the point is that any good tracking program should use the
> official OBJECT NUMBER instead of a name like NO-44 or PCSAT. NORAD and NASA
> only uses the number and could care less what we call them on the "outside".
>
> My tracking program still has the satellite listed as PCSAT so it wouldn't
> update the keps properly if using the name function only. Better to use the
> number.

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Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

---

500. [aprssig] Re: ADMIN: reply survey results

From: "Horzepa, Stan" <SHorzepa@c-cor.net>
Date: Thu, 18 Apr 2002 11:50:20 -0400
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-74958-2002.04.18-11.31.21--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

QSL, Jeff.

Stan, WA1LOU

> -----Original Message-----
> From: Jeff King [mailto:transit_man@hotmail.com]

> The "SOL" was actually referring to the SIG being run by a
> "poll" of the
> masses, not the actual results of the poll (which I didn't
> respond to, nor
> do I care for). I personally think you should do what is best
> for you, these
> polls are misunderstood/don't mean anything as we are now
> seeing. I think
> the change will further lower the S/N on the SIG as stuff
> that should be

> private will now be public.
>

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Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

501. [aprssig] Re: ADMIN: reply survey results

From: Mark Fellhauer <sparkfel@qwest.net>
Date: Thu, 18 Apr 2002 11:23:06 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: SHorzepa@c-cor.net
Message-ID: <LYR842-74959-2002.04.18-11.57.40--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

At 10:07 AM 4/18/02, Horzepa, Stan wrote:

>Hello Jeff,
>
>Correction: Those who voted against the change or did not vote at all are
>SOL. Those who did vote for the change are HAPIS.

I think that's a poor attitiude. First, we've already determined that not everybody reads your posts, Stan. ;) Second, I think many people saw the topic of discussion and never bothered to read ANY of the discussion, because it wasn't directly APRS related and had no idea that it would impact them. I only read the posts one day because I was bored...

Mob rule doesn't always work and that's why we live in a Representative Federal Democratic Republic. One man - one vote, only works when there is sufficient public notice so that people have no excuse when it comes time to be counted. And I don't think people here were given that notice, nor were they given the opportunity to figure out how this would impact them. Furthermore, we elect officials to MODERATE (hint, hint) public action, because what the masses want isn't always what's in their best interest.

The change is obtuse and counter-intuitive. It makes it harder to reply to a person on the SIG privately. So I guess the next time I make a crass and rash comment to someone that I would've kept off the SIG by hitting the reply button will now get sent to the SIG - SINCE THATS WHAT THE MAJORITY WANTS. I guess that comes under the old adage, "Be Careful what you wish for, you just might get it..."

Regards,

Mark
KC7BXS

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To unsubscribe send a blank email to leave-aprssig-842K@lists.tapr.org
Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

502. [aprssig] Re: ADMIN: reply survey results

From: "Richard Amirault" <ramirault@erols.com>
Date: Thu, 18 Apr 2002 12:41:32 -0400
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-74960-2002.04.18-12.16.40--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

That was part of the reason for the change ... "to make it harder to reply to a person on the SIG privately" ... it seems to be an unavoidable by-product of making it easier to reply to the SIG.

This comes up on various mailing lists occasionally (reply to sig, or sender) and it can be as controversial as a discussion abortion or gun control. The LIST OWNER or list manager has the right to do what he/she wants with his list. IF he wants to let the subscribers have a say in the choice, he can.

I run a list myself, and I want the default to go to the list, but I belong to another list that wants it just the opposite (and when I suggested it

```
change I got little support) You will *never* please everyone in this
regard.

Richard Amirault                           N1JDU                 Boston,
MA, USA
ramirault@erols.com              "Go Fly A Kite"
http:// www.erols.com/ramirault
----- Original Message -----
From: "Mark Fellhauer" <sparkfel@qwest.net>
Subject: [aprssig] Re: ADMIN: reply survey results
(snip)

> The change is obtuse and counter-intuitive.  It makes it harder to reply
to
> a person on the SIG privately.   So I guess the next time I make a crass
> and rash comment to someone that I would've kept off the SIG by hitting
the
> reply button will now get sent to the SIG
(snip)


---
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Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org
```

503. [aprssig] Re: "Mac Doppler Pro" Tracking Software

From: Earl Needham <needhame@yucca.net>
Date: Thu, 18 Apr 2002 10:59:50 -0600
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-74961-2002.04.18-12.36.09--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

```
At 10:26 AM 4/18/2002 -0400, Ronald Reams wrote:
>True, but if you have a list of keps from the
>ARRL, for example, and you don't know the
>object number.  Just scroll down to you find
>the name (NO-44 in this case) and you will
>see the object number.
>
>To me, rememberin' NO-44 is easier than 26931!

>         Sure it is.  BUT THE ORIGINAL QUESTION ASKED "What is PCSAT's
> designated satellite number?".


         Earl


Earl Needham, KD5XB, Clovis, New Mexico
KD5XB-2>APW251,PCSAT-1*:=3425.83N/10313.55W-PHG7150/WinAPRS 2.5.1
-EARL_CLOVIS -251-<630>
Did you get a letter from Nigeria offering a "deal"?  See
http://home.rica.net/alphae/419coal/ and
http://www.crimes-of-persuasion.com/Crimes/Business/nigerian.htm


---
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```

504. [aprssig] Re: "Mac Doppler Pro" Tracking Software

From: "Ronald Reams" <wa4mjf@worldnet.att.net>
Date: Thu, 18 Apr 2002 13:10:32 -0400
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-74963-2002.04.18-12.43.57--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

```
Earl, I think if y'all look back, y'all
will note that he wanted the NO-44!

So, even if Matt did not state his question accurately,
I gave him the answer that he needed.  OK?

73 de Ronnie


----- Original Message -----
```

From: "Earl Needham" <needhame@yucca.net>
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Sent: Thursday, April 18, 2002 12:59
Subject: [aprssig] Re: "Mac Doppler Pro" Tracking Software

At 10:26 AM 4/18/2002 -0400, Ronald Reams wrote:
>True, but if you have a list of keps from the
>ARRL, for example, and you don't know the
>object number. Just scroll down to you find
>the name (NO-44 in this case) and you will
>see the object number.
>
>To me, rememberin' NO-44 is easier than 26931!

>   Sure it is. BUT THE ORIGINAL QUESTION ASKED "What is PCSAT's
> designated satellite number?".

Earl

Earl Needham, KD5XB, Clovis, New Mexico
KD5XB-2>APW251,PCSAT-1*:=3425.83N/10313.55W-PHG7150/WinAPRS 2.5.1
-EARL_CLOVIS -251-<630>
Did you get a letter from Nigeria offering a "deal"? See
http://home.rica.net/alphae/419coal/ and
http://www.crimes-of-persuasion.com/Crimes/Business/nigerian.htm

---
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505. [aprssig] Re: ADMIN: reply survey results

From: Earl Needham <needhame@yucca.net>
Date: Thu, 18 Apr 2002 11:11:48 -0600
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-74964-2002.04.18-12.48.03--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

At 10:19 AM 4/18/2002 -0400, Bob Bruninga wrote:
>On Thu, 18 Apr 2002, Earl Needham wrote:
>
> > >Unfortunately, I fear, your results may be completely ambiguous. REPLIES
> > >already go to the list, so I dont see why you have to change anything?
> >
> >   It does NOW, before the 17th or so, replies went to the original
> > sender. As proof, select a message from a week or two ago and reply to it.
>
>Im not sure what you mean.

What I mean is that before the 17th, if you hit REPLY it would go
to the original sender. If you hit REPLY-ALL it would go to the sender and
the list. Very inconvenient for people like me who try to keep most
questions and answers public and also try not to send 2 messages to the
original sender. Before the 17th, I found that I had to edit the To: line
manually on almost every post.

><snip>
>(speaking of the new setup)
> >   It works very well in Eudora, and I suspect most other mailers. I
> > have no idea about Pine, but I know I occasionally receive some stuff from
> > various people using Pine and I can't always read it. It makes me suspect
> > Pine does things a bit differently. I'm assuming you still use Pine,
> right?
>
>Yes, not everyone uses Eudora..

True enough, but I believe Eudora and most other common mailers
react the same.

> > >I retract my vote and was confused by the question (or was too stupid to
> > >figure out the real underlying queston in the first place)...
> > >I wonder how many others who said REPLY-TO-LIST were saying LEAVE IT THE
> > >WAY IT IS...?

>
>Apparently then EMAIL systems are not consistent,

EXACTLY. They aren't consistent. That's why some people liked
the old way and some like the new.

> so then the survey
>appears to have been worded to mirror only the result of the Bill Gates
>majority... hummh...

Uh -- what? There's no ambiguity OR mention of any Microsoft
product in the following:

At 10:44 AM 4/14/2002 -0400, Stan Horzepa wrote:
>When you reply to a message on this SIG, the SIG software is set up so that
>you end up replying to the person that posted the message. Your reply will
>not be posted to the SIG unless you Reply-To-All or you add the SIG email
>address in the TO: field of your message.
>
>Is this the way you like it? Many other SIGs including two others I
>administer are set up to reply to the SIG rather than to the person who
>posted the message. Would you prefer this option?
>
>Let me know if you would prefer to reply to the SIG or reply to the person
>who posted the message. The majority rules!

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506. [aprssig] Re: ADMIN: reply survey results

From: "Ramon F. Kolb" <ramon@ieee.org>
Date: Thu, 18 Apr 2002 13:14:19 -0400
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-74965-2002.04.18-12.49.19--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

I think people should stop whining.... and

1. if you think you voted wrong... well... that's tough. Ask the people in
West Palm Beach last elections.
2. If you voted against change and now there is change... you've been
outvoted. That's called progress.
3. If you don't like how it works now, you should get a real email client,
or stop replying to people on the list. The noise-level is already so high
here, that people start reading threads selectively.

Your mileage may vary.

73s,

--Ramon W1/PA3EUG, Boston, MA, USA [FN42KI]
Join BEACONet^31 at 28.131! See http://go.to/BEACONet and
http://pa3eug.webhop.org/beaconet . ICQ 77117744

----- Original Message -----
From: "Horzepa, Stan" <SHorzepa@c-cor.net>
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Sent: Thursday, April 18, 2002 11:50
Subject: [aprssig] Re: ADMIN: reply survey results

> QSL, Jeff.
>
> Stan, WA1LOU
>
> > -----Original Message-----
> > From: Jeff King [mailto:transit_man@hotmail.com]
>
> > The "SOL" was actually referring to the SIG being run by a
> > "poll" of the
> > masses, not the actual results of the poll (which I didn't
> > respond to, nor
> > do I care for). I personally think you should do what is best
> > for you, these
> > polls are misunderstood/don't mean anything as we are now
> > seeing. I think

```
> > the change will further lower the S/N on the SIG as stuff
> > that should be
> > private will now be public.
> >
>
> ---
> You are currently subscribed to aprssig as: ramon@ieee.org
> To unsubscribe send a blank email to leave-aprssig-842K@lists.tapr.org
> Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org
>



---
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```

507. [aprssig] Re: reply survey results

From: Mark Fellhauer <sparkfel@qwest.net>
Date: Thu, 18 Apr 2002 12:16:23 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-74966-2002.04.18-12.51.12--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

```
At 11:41 AM 4/18/02, Richard Amirault wrote:

>That was part of the reason for the change ... "to make it harder to reply
>to a person on the SIG privately" ... it seems to be an unavoidable
>by-product of making it easier to reply to the SIG.

But the change DID NOT make it easier to reply to the SIG.  Hitting the
reply button now sends a response to the SIG, but it DOES NOT quote the
originator of a message by name (by defualt).  So the NET EFFECT is there
is NO CHANGE to how replies are made to the SIG, only to how replies are
made to the originator.   And because hitting "reply" does not (by default)
quote the originator of the message by name, it only makes reading a thread
much harder.

And to quote a person by name by hitting reply to all (by defualt) now
sends TWO identical responses to the SIG, resulting in mail bounced by
Lyris, unless you maunally edit the "to field."   I seem to recall someone
before trying to play the "wasted bandwidth" trump card in this discussion...

Yes I can change the default quotes and replies on my e-mail client, but I
subscribe to more than one SIG, and MOST email clients only allow you to
make this change globally.

And remember, MOST people on this SIG are NOT computer technicians, so they
have no idea how to change how their email client's attributes in this
regard.   And although Stan made the comment that people will need to
upgrade/change their email client then, THIS IS NOT AN OPTION for some
people.  Many ISP's are forcing people off POP3 accounts so people have to
take the email interface they're given.   This is why I'm leaving Qwest as
my ISP.   And how is forcing 1200 people to change or reconfigure their
email client conducive to making it EASIER to use this sig?

And again, this change is counter-intuitive, and goes against 15+ years of
convention in regards to how the majority of 'Net SIGs, Usegroups,
Newsgroups, and Round-Robins have been run.   Some of us remember the Big
Blue Wave...  ;)

Finally, from the tenor of the discussion, I think people were voting that
they DID NOT want private responses, only responses to the SIG.

Regards,

Mark
KC7BXS




---
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```

508. [aprssig] Re: ADMIN: reply survey results

From: Earl Needham <needhame@yucca.net>
Date: Thu, 18 Apr 2002 11:14:23 -0600
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-74967-2002.04.18-12.52.27--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

```
At 09:54 AM 4/18/2002 -0500, Gregg G. Wonderly wrote:

> >         So why would you want the original sender to receive TWO copies?
> >
> >         Just curious,
>
>Sometimes the listserver is broken, sometimes users read lists from the web.
>Sending them a direct reply is often more expedicious and provides for better
>communications!

         Sounds like good reasons, and you should be able to select that
WHEN YOU NEED IT.

>   Or, maybe we should change APRS so that it only works over
>the APRS IS system so that everyone would see everyones traffic all over the
>world?

         What does this have to do with how replies to list messages are sent?

         E.


Earl Needham, KD5XB, Clovis, New Mexico
KD5XB-2>APW251,PCSAT-1*:=3425.83N/10313.55W-PHG7150/WinAPRS 2.5.1
-EARL_CLOVIS -251-<630>
Did you get a letter from Nigeria offering a "deal"?  See
http://home.rica.net/alphae/419coal/ and
http://www.crimes-of-persuasion.com/Crimes/Business/nigerian.htm



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```

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509. [aprssig] Re: "Mac Doppler Pro" Tracking Software

From: Earl Needham <needhame@yucca.net>
Date: Thu, 18 Apr 2002 11:20:17 -0600
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-74969-2002.04.18-12.58.53--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

```
At 01:10 PM 4/18/2002 -0400, Ronald Reams wrote:
>Earl, I think if y'all look back, y'all
>will note that he wanted the NO-44!
>
>So, even if Matt did not state his question accurately,
>I gave him the answer that he needed.  OK?

         You mean you gave NO-44, then told the list why I was wrong
because you misunderstood the original question?

         Prolifically,
         Earl




---
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```

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510. [aprssig] Re: ADMIN: reply survey results

From: Mark Fellhauer <sparkfel@qwest.net>
Date: Thu, 18 Apr 2002 12:26:58 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-74970-2002.04.18-13.03.24--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

```
At 12:14 PM 4/18/02, Ramon F. Kolb wrote:

>2. If you voted against change and now there is change... you've been
```

>outvoted. That's called progress.

But this wasn't a VOTE, there was not timeline given for the change, no
real group notification.   This was a vote like they have "voting" in West
Africa...

>3. If you don't like how it works now, you should get a real email client,
>or stop replying to people on the list. The noise-level is already so high
>here, that people start reading threads selectively.

And that's anothere reason why this wasn't a vote, because people avoided
reading this thread.

Mark
KC7BXS

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511. [aprssig] Re: reply survey results

From: Mark Fellhauer <sparkfel@qwest.net>
Date: Thu, 18 Apr 2002 12:30:44 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-74973-2002.04.18-13.07.14--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

At 12:11 PM 4/18/02, Earl Needham wrote:

>   What I mean is that before the 17th, if you hit REPLY it would go
> to the original sender. If you hit REPLY-ALL it would go to the sender
> and the list. Very inconvenient for people like me who try to keep most
> questions and answers public and also try not to send 2 messages to the
> original sender. Before the 17th, I found that I had to edit the To:
> line manually on almost every post.

As a wise person here noted (don't recall who though) - It's far easier to
delete in a GUI, than to add. Point-click-backspace or
point-click-highlight-del is far easier than going the other way...

I hardly see how this is inconvenient.

Mark
KC7BXS

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512. [aprssig] Re: ADMIN: reply survey results

From: Bob Bruninga <bruninga@usna.edu>
Date: Thu, 18 Apr 2002 13:41:33 -0400 (EDT)
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-74974-2002.04.18-13.17.34--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

On Thu, 18 Apr 2002, Earl Needham wrote:

> At 09:12 AM 4/18/2002 -0500, Robbie Robertson wrote:
> >Well, I too am disappointed, I use Netscape and when I clicked on
> >Reply before, it went to the sender only.. When I clicked on
> >Reply to All, it went to the sender and the Sig..
>
>   So why would you want the original sender to receive TWO copies?

Because the Email address of the original sender "sticks-with" the message
instead of being lost forever. I can't count the number of times I have
gone to great length to answer someone's question and hit send, only to
see the reply come back on the SIG without the original questioner's email
address being attached. For any follow-on or further off-line reference
to that question or topic, the original sender's email address is lost
forever.

```
Bob



---
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513. [aprssig] Re: ADMIN: reply survey results

From: Jim Duncan <jdbandman@earthlink.net>
Date: Thu, 18 Apr 2002 12:47:49 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-74975-2002.04.18-13.23.21--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

```
Boy, now THIS is really "on topic", folks....  Take it off the SIG,
please...

STAN:  SHAME ON YOU!!!!

Bob Bruninga wrote:
>
> On Thu, 18 Apr 2002, Earl Needham wrote:
>
> > At 09:12 AM 4/18/2002 -0500, Robbie Robertson wrote:
> > >Well, I too am disappointed, I use Netscape and when I clicked on
> > >Reply before, it went to the sender only.. When I clicked on
> > >Reply to All, it went to the sender and the Sig..
> >
> >          So why would you want the original sender to receive TWO copies?
>
> Because the Email address of the original sender "sticks-with" the message
> instead of being lost forever.  I can't count the number of times I have
> gone to great length to answer someone's question and hit send, only to
> see the reply come back on the SIG without the original questioner's email
> address being attached.  For any follow-on or further off-line reference
> to that question or topic, the original sender's email address  is lost
> forever.
>
> Bob
>
> ---
> You are currently subscribed to aprssig as: KU0G@KCAPRS.ORG
> To unsubscribe send a blank email to leave-aprssig-842K@lists.tapr.org
> Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

--
73 de Jim, KU0G
Chairman/Coordinator
Kansas City APRS Working Group, W0APR
First Alert Storm Team KMBC-TV9
Mailto:ku0g@kcaprs.org
Webpage: http://www.kcaprs.org

---
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Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org
```

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514. [aprssig] Re: ADMIN: reply survey results

From: "Jeff King" <transit_man@hotmail.com>
Date: Thu, 18 Apr 2002 17:51:44 +0000
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-74976-2002.04.18-13.27.13--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

```
"Ramon F. Kolb" <ramon@ieee.org> stated:

>
>I think people should stop whining....

I've not seen any whining, just well founded arguements on both sides. I may
not agree with them all, but I think your charecterzation of whining is not
fair.


>1. if you think you voted wrong... well... that's tough. Ask the people in
```

>West Palm Beach last elections.
>2. If you voted against change and now there is change... you've been
>outvoted. That's called progress.

This was not a vote. It was yet another meaningless poll.

>3. If you don't like how it works now, you should get a real email client,

Clearly you are confused. With a RFC compliant mailer, things worked as they should before. That is, a "reply" went to the orginator of the message, "reply-all" went to the sender *and* the list, as it should. Now reply-all sends two copies to the list, and "reply" just the list.

Anyway you look at it, people will need to do more editing of the to/cc fields to do what they want. Unless of course you are one of the people that think every little piece of drivel should show up on the list. If a list is dead, I can be convinced of this arguement, but with a list as busy as this one, we should do whatever we can to make our posts well founded.

>or stop replying to people on the list. The noise-level is already so high
>here, that people start reading threads selectively.

Which makes me think you are saying the opposite of what you really mean. The change will REDUCE the S/N even more as the default is to put everything on the list, intended or not.

Like I said, the poll was pointless. The moderator wants it this way, and like it or not (I'm a not) that is the way it is. I can accept this. Just don't tell me about voting, it sure as heck wasn't a vote.

-Jeff

____
Get your FREE download of MSN Explorer at http://explorer.msn.com/intl.asp.

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Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

515. [aprssig] Re: ADMIN: reply survey results

From: Alex <kr1st@amsat.org>
Date: Thu, 18 Apr 2002 13:58:23 -0400
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-74978-2002.04.18-13.33.21--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

"Ramon F. Kolb" wrote:
>
> I think people should stop whining.... and

and...as he continues his own whining process...

> 2. If you voted against change and now there is change... you've been
> outvoted. That's called progress.

I think you're a bit confused here. You don't really think that progress has been made here in the past couple of days, now do you?

73s,
--Alex

P.S.

> 3. If you don't like how it works now, you should get a real email client,
> or stop replying to people on the list.

Hey, I would have sent it to him in private, but neither Reply not Reply All shows his email addy anymore.....in a real email client that is. Netscape.

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To unsubscribe send a blank email to leave-aprssig-842K@lists.tapr.org
Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

---

516. [aprssig] Re: ADMIN: reply survey results

From: Byron Smith <bdsmith@co.tulare.ca.us>
Date: Thu, 18 Apr 2002 10:39:38 -0700
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-74983-2002.04.18-13.37.22--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Interesting. Eudora Pro's [4.3.1] "reply" button sends back to the LIST
[aprssig@lists.tapr.org] once in the "to" he header... "Reply ALL"
button sends to the LIST [aprssig@lists.tapr.org] twice in the "to" header.

I know what Steve K4HG means. If I want to reply to the original sender of
the message privately, its a cut and paste proposition.

At 11:07 AM 04/18/2002 -0400, you wrote:
>Hello Jeff,
>
>Correction: Those who voted against the change or did not vote at all are
>SOL. Those who did vote for the change are HAPIS.
>
>73,
>
>Stan, WA1LOU
>
> > -----Original Message-----
> > From: Jeff King [mailto:transit_man@hotmail.com]
>
> > I liked the old way better also, but then again, I didn't
> > speak up during
> > the "poll" so if that is how this SIG is going to be run, I
> > guess we are all
> > SOL.
> >

Byron Smith
Radio Communications Supervisor
County of Tulare RMA Communications
11871 Ave 272
Visalia, Ca. 93277

559 733 6592 voice
559 737 4552 fax

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Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

---

517. [aprssig] Re: reply survey results

From: Chuck Byam <cbyam@virginia.edu>
Date: Thu, 18 Apr 2002 14:10:35 -0400
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-74984-2002.04.18-13.44.52--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

On Thursday 18 April 2002 01:16 pm, Mark Fellhauer wrote:
: At 11:41 AM 4/18/02, Richard Amirault wrote:
: >That was part of the reason for the change ... "to make it harder to reply
: >to a person on the SIG privately" ... it seems to be an unavoidable
: >by-product of making it easier to reply to the SIG.
:
: But the change DID NOT make it easier to reply to the SIG. Hitting the
: reply button now sends a response to the SIG, but it DOES NOT quote the
: originator of a message by name (by defualt). So the NET EFFECT is there
: is NO CHANGE to how replies are made to the SIG, only to how replies are
: made to the originator.   And because hitting "reply" does not (by default)
: quote the originator of the message by name, it only makes reading a thread
: much harder.
:

Again Mark, this is client dependent. As KMail works as advertised.

Chuck

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---

518. [aprssig] Re: ADMIN: reply survey results

From: "Spider" <spider@rivcom.net>
Date: Thu, 18 Apr 2002 11:10:41 -0700
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-74985-2002.04.18-13.45.31--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

----- Original Message -----
From: "Bob Bruninga" <bruninga@usna.edu>
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Sent: Thursday, April 18, 2002 10:41 AM
Subject: [aprssig] Re: ADMIN: reply survey results

> On Thu, 18 Apr 2002, Earl Needham wrote:
snip

>>   So why would you want the original sender to receive TWO copies?
>
> Because the Email address of the original sender "sticks-with" the message
> instead of being lost forever. I can't count the number of times I have
> gone to great length to answer someone's question and hit send, only to
> see the reply come back on the SIG without the original questioner's email
> address being attached. For any follow-on or further off-line reference
> to that question or topic, the original sender's email address is lost
> forever.
>
> Bob

Come on Bob! This is a Bogus excuse for lack to properly replying. See
header above

Jim

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---

519. [aprssig] Re: ADMIN: reply survey results

From: k9soa@att.net
Date: Thu, 18 Apr 2002 18:15:06 +0000
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-74986-2002.04.18-13.50.42--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

If you send 3 copies for reply all, then you have CC to
the group as well.

It isn't broke, you just worked around the problem.

--
Don

www.k9soa.net (EM77EW)

Home of "JEANNIE"
The House That Listens
Using HAL2000 by Home Automated
Living
Seen on HGTV's Dream Builder show

Featured Home of the Month
Home Automation Magazine March 2002
> Now it's broke...

>
> If I hit reply, it responds to the list.
>
> If I hit reply all, it sends THREE copies to the list.
>
> NOWHERE does it respond to the individual poster. I have to manually
> enter the address. (Yes, I had to 'cut and paste' your address in Stan.
>
> Sorry, but that's kinda busted. It may be good for antispamming, but
> since the email address could be gathered from the body anyway...
>
> Well, it's been fixed till it's broke.
>
> Mike
>
>
>
> ---
> You are currently subscribed to aprssig as: k9soa@att.net
> To unsubscribe send a blank email to leave-aprssig-842K@lists.tapr.org
> Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org
>

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Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

---

520. [aprssig] Re: ADMIN: reply survey results

From: "Mike Yetsko" <myetsko@insydesw.com>
Date: Thu, 18 Apr 2002 14:14:27 -0400
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: <stanzepa@earthlink.net>
Message-ID: <LYR842-74987-2002.04.18-13.51.48--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

I am using OutLook Express version 6.00.2600.... on a Win98SE
system.

I just did a reply all, and got TWO copies to the list in the To: field.
I also
got ONE copy to Stan direct in the Cc: field. I got NONE to you Bob
in any field.

However, it did print the following in the message:

----- Original Message -----
From: "Bob Bruninga" <bruninga@usna.edu>
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: <stanzepa@earthlink.net>
Sent: Thursday, April 18, 2002 10:33 AM
Subject: [aprssig] Re: ADMIN: reply survey results

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Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

---

521. [aprssig] Re: Did a worm hit the membership yesterday?

From: "Mike Yetsko" <myetsko@insydesw.com>
Date: Thu, 18 Apr 2002 14:17:24 -0400
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-74988-2002.04.18-13.52.05--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

What's spooky is that when I saved off the email, the Monday update
for Norton didn't find any viri or worms. Now I'm not sure I'm infected
or not.

Mike

----- Original Message -----
From: "Jim Duncan" <jdbandman@earthlink.net>
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Sent: Thursday, April 18, 2002 11:19 AM
Subject: [aprssig] Re: Did a worm hit the membership yesterday?

> This is the latest virus that's out and about. It's detailed on MSN but
> it contains it's OWN email engine. Nasty little bugger.... The reply
> to addresses are spoofed by the virus which is why you get unknown user
> or postmaster errors.
> --
> 73 de Jim, KU0G
> Chairman/Coordinator
> Kansas City APRS Working Group, W0APR
> First Alert Storm Team KMBC-TV9
> Mailto:ku0g@kcaprs.org
> Webpage: http://www.kcaprs.org
>
> ---
> You are currently subscribed to aprssig as: myetsko@insydesw.com
> To unsubscribe send a blank email to leave-aprssig-842K@lists.tapr.org
> Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org
>
>

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Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

---

522. [aprssig] Re: Did a worm hit the membership yesterday?

From: k9soa@att.net
Date: Thu, 18 Apr 2002 18:19:22 +0000
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-74989-2002.04.18-13.56.34--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Yes there is a lot of those types of messages.

When you get a message like that, set your option to
show FULL HEADER and you will see the path of other
sites it passed through before you actually got it.
They do that to hide where the message originates.

Most of those types of emails use a non-existent FROM so
you will be more apt to open it.

--
Don

www.k9soa.net (EM77EW)

Home of "JEANNIE"
The House That Listens
Using HAL2000 by Home Automated
Living
Seen on HGTV's Dream Builder show

Featured Home of the Month
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> It seems early this week a worm let loose. I got a FLOOD of emails (17
> on wednesday alone) that were all of the same type. "Congratulations!"
> or "let's be friends". All had 'suspicious' attachments. (However, when I
> saved off some of them and ran this weeks update from Noron against
> them, they passed. I still blew them off.)
>
> The only reason I'm sending this to the list is about 1/3 of the email
> addresses
> came from people I recognized as from this list. But when I tried to
> reply
> to say "You sent me a virus" I got postmaster errors in about half the
> cases.
>
> Doesn't that mean that the viri didn't really come from the people on this
> list, but the emails were disguised to appear as if they did?
>
> Mike
>
>
>

> ---
> You are currently subscribed to aprssig as: k9soa@att.net
> To unsubscribe send a blank email to leave-aprssig-842K@lists.tapr.org
> Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org
>

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Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

---

523. [aprssig] Re: ADMIN: reply survey results

From: "Ronald Reams" <wa4mjf@worldnet.att.net>
Date: Thu, 18 Apr 2002 14:20:35 -0400
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: <bdsmith@co.tulare.ca.us>
Message-ID: <LYR842-74990-2002.04.18-13.56.58--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

I don't know what you have, but in OE all you gotta
do is type persons addy in the Cc:

like this!

No sharp instruments nor Elmer's needed.

73 de Ronnie

----- Original Message -----
From: "Byron Smith" <bdsmith@co.tulare.ca.us>
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Sent: Thursday, April 18, 2002 13:39
Subject: [aprssig] Re: ADMIN: reply survey results

Interesting. Eudora Pro's [4.3.1] "reply" button sends back to the LIST
[aprssig@lists.tapr.org] once in the "to" he header... "Reply ALL"
button sends to the LIST [aprssig@lists.tapr.org] twice in the "to" header.

I know what Steve K4HG means. If I want to reply to the original sender of
the message privately, its a cut and paste proposition.

At 11:07 AM 04/18/2002 -0400, you wrote:
>Hello Jeff,
>
>Correction: Those who voted against the change or did not vote at all are
>SOL. Those who did vote for the change are HAPIS.
>
>73,
>
>Stan, WA1LOU
>
> > -----Original Message-----
> > From: Jeff King [mailto:transit_man@hotmail.com]
>
> > I liked the old way better also, but then again, I didn't
> > speak up during
> > the "poll" so if that is how this SIG is going to be run, I
> > guess we are all
> > SOL.
> >

Byron Smith
Radio Communications Supervisor
County of Tulare RMA Communications
11871 Ave 272
Visalia, Ca. 93277

559 733 6592 voice
559 737 4552 fax

You are currently subscribed to aprssig as: wa4mjf@worldnet.att.net
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---
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---

524. [aprssig] Re: ADMIN: reply survey results

From: "Mike Yetsko" <myetsko@insydesw.com>
Date: Thu, 18 Apr 2002 14:19:19 -0400
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: <SHorzepa@c-cor.net>
Message-ID: <LYR842-74992-2002.04.18-13.57.23--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

I guess it just means that since there's no way to easily reply privately,
no one will have any excuse to complain when all the replies are through
the list instead of private!!

Mike

----- Original Message -----
From: "Mark Fellhauer" <sparkfel@qwest.net>
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: <SHorzepa@c-cor.net>
Sent: Thursday, April 18, 2002 12:23 PM
Subject: [aprssig] Re: ADMIN: reply survey results

> At 10:07 AM 4/18/02, Horzepa, Stan wrote:
>
> >Hello Jeff,
> >
> >Correction: Those who voted against the change or did not vote at all
are
> >SOL. Those who did vote for the change are HAPIS.
>
> I think that's a poor attitiude.   First, we've already determined that
not
> everybody reads your posts, Stan. ;) Second, I think many people saw
the
> topic of discussion and never bothered to read ANY of the discussion,
> because it wasn't directly APRS related and had no idea that it would
> impact them.   I only read the posts one day because I was bored...
>
> Mob rule doesn't always work and that's why we live in a Representative
> Federal Democratic Republic.   One man - one vote, only works when there
is
> sufficient public notice so that people have no excuse when it comes
time
> to be counted. And I don't think people here were given that notice,
nor
> were they given the opportunity to figure out how this would impact
> them. Furthermore, we elect officials to MODERATE (hint, hint) public
> action, because what the masses want isn't always what's in their best
> interest.
>
> The change is obtuse and counter-intuitive. It makes it harder to reply
to
> a person on the SIG privately.   So I guess the next time I make a crass
> and rash comment to someone that I would've kept off the SIG by hitting
the
> reply button will now get sent to the SIG - SINCE THATS WHAT THE
MAJORITY
> WANTS.   I guess that comes under the old adage, "Be Careful what you
wish
> for, you just might get it..."
>
> Regards,
>
> Mark
> KC7BXS
>
>

```
>
>
>
>
> ---
> You are currently subscribed to aprssig as: myetsko@insydesw.com
> To unsubscribe send a blank email to leave-aprssig-842K@lists.tapr.org
> Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org
>
>



---
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```

525. [aprssig] Re: ADMIN: reply survey results

From: "Mike Yetsko" <myetsko@insydesw.com>
Date: Thu, 18 Apr 2002 14:23:47 -0400
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-74994-2002.04.18-14.02.07--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

```
>         So why would you want the original sender to receive TWO copies?
>
>         Just curious,

Actually, in my case, replies that are direct to me go to a different
mailbox
than the list.  I get about 20 emails a day that are non-list.  They go to
my
general inbox, or to a few specific mailboxes automatically.  However,
anything that comes in with TAPR (or one of 3 other lists) in the header
goes to a mailbox called '"List In" that I can read 'low priority' as
opposed
to direct email that is high priority, or one of my specials (ok, I'll
admit,
I'm single...) and that takes EXTREMELY high priority!

Mike



---
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```

526. [aprssig] Re: ADMIN: reply survey results

From: "Mike Yetsko" <myetsko@insydesw.com>
Date: Thu, 18 Apr 2002 14:27:59 -0400
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-74995-2002.04.18-14.02.24--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

```
What's more on topic on the sig than the sig?

Mike

----- Original Message -----
From: "Jim Duncan" <jdbandman@earthlink.net>
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Sent: Thursday, April 18, 2002 1:47 PM
Subject: [aprssig] Re: ADMIN: reply survey results


> Boy, now THIS is really "on topic", folks....  Take it off the SIG,
> please...
>
> STAN:  SHAME ON YOU!!!!
>
> Bob Bruninga wrote:
> >
> > On Thu, 18 Apr 2002, Earl Needham wrote:
> >
> > > At 09:12 AM 4/18/2002 -0500, Robbie Robertson wrote:
> > > >Well, I too am disappointed, I use Netscape and when I clicked on
> > > >Reply before, it went to the sender only.. When I clicked on
> > > >Reply to All, it went to the sender and the Sig..
> > >
> > >          So why would you want the original sender to receive TWO
copies?
> >
> > Because the Email address of the original sender "sticks-with" the
message
> > instead of being lost forever.  I can't count the number of times I
have
> > gone to great length to answer someone's question and hit send, only
to
> > see the reply come back on the SIG without the original questioner's
email
> > address being attached.  For any follow-on or further off-line
reference
> > to that question or topic, the original sender's email address  is
lost
> > forever.
> >
> > Bob
> >
> > ---
> > You are currently subscribed to aprssig as: KU0G@KCAPRS.ORG
> > To unsubscribe send a blank email to
leave-aprssig-842K@lists.tapr.org
> > Questions regarding the SIG go to the SIG administrator:
wa1lou@tapr.org
>
> --
> 73 de Jim, KU0G
> Chairman/Coordinator
> Kansas City APRS Working Group, W0APR
> First Alert Storm Team KMBC-TV9
> Mailto:ku0g@kcaprs.org
> Webpage: http://www.kcaprs.org
>
> ---
> You are currently subscribed to aprssig as: myetsko@insydesw.com
> To unsubscribe send a blank email to leave-aprssig-842K@lists.tapr.org
> Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org
>
>



---
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Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org
```

---

527. [aprssig] Re: ADMIN: reply survey results

From: k9soa@att.net
Date: Thu, 18 Apr 2002 18:30:20 +0000
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-74997-2002.04.18-14.04.36--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

```
Mine was just the opposite so I missed seeing answers to
questions that would have saved me LOTS OF TIME AND
EFFORT since they only went back to the sender.

There might be an increase for a while but I think you
will find a BIG decrease of seeing the SAME QUESTIONS
over, and over, and over, and over.........

The way it is now, everyone gets to see the answers the
first time.

--
Don

www.k9soa.net  (EM77EW)

Home of "JEANNIE"
The House That Listens
Using HAL2000 by Home Automated
Living
Seen on HGTV's Dream Builder show

Featured Home of the Month
```

Home Automation Magazine March 2002

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Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

528. [aprssig] aprssig list settings

From: John Ackermann   N8UR <jra@febo.com>
Date: Thu, 18 Apr 2002 14:30:53 -0400
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-74998-2002.04.18-14.05.16--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Hi All --

Just to let you know that there are some other tweaks that we can do to Lyris, particularly with respect to what appears in the "Reply To:" field, that may make things work better. Stan and I are working on that, and Stan will post more details when we've figured out the most workable solution.

73,
John

```
John Ackermann    N8UR         jra@febo.com     http://www.febo.com
President, TAPR                n8ur@tapr.org    http://www.tapr.org
```

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To unsubscribe send a blank email to leave-aprssig-842K@lists.tapr.org
Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

529. [aprssig] Re: ADMIN: reply survey results

From: "Mike Yetsko" <myetsko@insydesw.com>
Date: Thu, 18 Apr 2002 14:31:45 -0400
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-74999-2002.04.18-14.06.04--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Hitting reply to your message put one list address in the To: field.
Hitting
reply all to your message put TWO copies of the list address in the To:
field. This time it did NOT put anything into the Cc: field.

Again NOWHERE with either reply did I get any option for a private email to you.

Mike

----- Original Message -----
From: <k9soa@att.net>
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Sent: Thursday, April 18, 2002 2:15 PM
Subject: [aprssig] Re: ADMIN: reply survey results

> If you send 3 copies for reply all, then you have CC to
> the group as well.
>
> It isn't broke, you just worked around the problem.
>
> --
> Don
>

You are currently subscribed to aprssig as: lyris.aprssig@tapr.org
To unsubscribe send a blank email to leave-aprssig-842K@lists.tapr.org
Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

530. [aprssig] Re: ADMIN: reply survey results

From: "Mike Yetsko" <myetsko@insydesw.com>
Date: Thu, 18 Apr 2002 14:34:38 -0400
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: <bdsmith@co.tulare.ca.us>, <wa4mjf@worldnet.att.net>

Message-ID: <LYR842-75000-2002.04.18-14.11.01--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

```
If people were willing to type to begin with, then why did we even have
this discussion about changing the list behavior?

Mike

----- Original Message -----
From: "Ronald Reams" <wa4mjf@worldnet.att.net>
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: <bdsmith@co.tulare.ca.us>
Sent: Thursday, April 18, 2002 2:20 PM
Subject: [aprssig] Re: ADMIN: reply survey results


> I don't know what you have, but in OE all you gotta
> do is type persons addy in the Cc:
>
> like this!
>
> No sharp instruments nor Elmer's needed.
>
> 73 de Ronnie





---
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To unsubscribe send a blank email to leave-aprssig-842K@lists.tapr.org
Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org
```

---

531. [aprssig] Re: ADMIN: reply survey results

From: k9soa@att.net
Date: Thu, 18 Apr 2002 18:36:58 +0000
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-75001-2002.04.18-14.13.10--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

```
The SIG is public.   No replies should be considered
private unless you choose to make it private.

--
Don

www.k9soa.net  (EM77EW)

Home of "JEANNIE"
The House That Listens
Using HAL2000 by Home Automated
Living
Seen on HGTV's Dream Builder show

Featured Home of the Month
Home Automation Magazine March 2002

---
You are currently subscribed to aprssig as: lyris.aprssig@tapr.org
To unsubscribe send a blank email to leave-aprssig-842K@lists.tapr.org
Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org
```

---

532. [aprssig] Macintosh Software; SAT Tracking, Etc

From: wa4tkg@attbi.com
Date: Thu, 18 Apr 2002 18:58:22 +0000
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-75005-2002.04.18-14.34.12--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

```
http://www.dogparksoftware.com/
Macintosh_Amateur_Radio_Pr.html

Keith Sproul told me about this link (along with
quite a few others) and it is SO FANTASTIC, I
HAD to get on here and write something about it.
I think ALL of the listed software programs ONLY
run on Macintosh OS, so go out and buy a USED Mac
if you have to !
```

Back to the web site; I've got DOWNLOADING to do!

You are currently subscribed to aprssig as: lyris.aprssig@tapr.org
To unsubscribe send a blank email to leave-aprssig-842K@lists.tapr.org
Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

---

533. [aprssig] Re: ADMIN: reply survey results

From: "Jeff King" <transit_man@hotmail.com>
Date: Thu, 18 Apr 2002 19:16:08 +0000
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-75009-2002.04.18-14.53.56--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

k9soa@att.net wrote:
>
>The SIG is public.   No replies should be considered
>private unless you choose to make it private.
>
>--
>Don
>
>www.k9soa.net (EM77EW)
>
>Home of "JEANNIE"
>The House That Listens
>Using HAL2000 by Home Automated
>Living
>Seen on HGTV's Dream Builder show
>
>Featured Home of the Month
>Home Automation Magazine March 2002

That sounds kinda cool. Do you have any links to that? I want to do some
home automation to my house, and trying to decide how to do it.

-Jeff

____
Send and receive Hotmail on your mobile device: http://mobile.msn.com

---
You are currently subscribed to aprssig as: lyris.aprssig@tapr.org
To unsubscribe send a blank email to leave-aprssig-842K@lists.tapr.org
Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

---

534. [aprssig] Re: Did a worm hit the membership yesterday?

From: David VanHorn <dvanhorn@cedar.net>
Date: Thu, 18 Apr 2002 14:17:53 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-75010-2002.04.18-14.54.33--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

At 02:17 PM 4/18/2002 -0400, Mike Yetsko wrote:
>What's spooky is that when I saved off the email, the Monday update
>for Norton didn't find any viri or worms. Now I'm not sure I'm infected
>or not.

Virus scanners can only find viruses/worms/etc that they already know about.

You are currently subscribed to aprssig as: lyris.aprssig@tapr.org
To unsubscribe send a blank email to leave-aprssig-842K@lists.tapr.org
Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

---

535. [aprssig] Re: ADMIN: reply survey results

From: k9soa@att.net
Date: Thu, 18 Apr 2002 19:41:17 +0000
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-75011-2002.04.18-15.15.31--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

SURE   www.k9soa.net

```
--
Don

www.k9soa.net  (EM77EW)

Home of "JEANNIE"
The House That Listens
Using HAL2000 by Home Automated
Living
Seen on HGTV's Dream Builder show

Featured Home of the Month
Home Automation Magazine March 2002
>
>
>
> k9soa@att.net wrote:
> >
> >The SIG is public.   No replies should be considered
> >private unless you choose to make it private.
> >
> >--
> >Don
> >
> >www.k9soa.net  (EM77EW)
> >
> >Home of "JEANNIE"
> >The House That Listens
> >Using HAL2000 by Home Automated
> >Living
> >Seen on HGTV's Dream Builder show
> >
> >Featured Home of the Month
> >Home Automation Magazine March 2002
>
>
> That sounds kinda cool. Do you have any links to that? I want to do some
> home automation to my house, and trying to decide how to do it.
>
> -Jeff
>
> _________________________________________________________________
> Send and receive Hotmail on your mobile device: http://mobile.msn.com
>
>
> ---
> You are currently subscribed to aprssig as: k9soa@att.net
> To unsubscribe send a blank email to leave-aprssig-842K@lists.tapr.org
> Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org
>

---
You are currently subscribed to aprssig as: lyris.aprssig@tapr.org
To unsubscribe send a blank email to leave-aprssig-842K@lists.tapr.org
Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org
```

---

536. [aprssig] Re: ADMIN: reply survey results

From: Earl Needham <needhame@yucca.net>
Date: Thu, 18 Apr 2002 13:58:01 -0600
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-75015-2002.04.18-15.32.40--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

```
At 01:58 PM 4/18/2002 -0400, Alex wrote:
>Hey, I would have sent it to him in private, but neither Reply not Reply
>All shows his email addy anymore.....in a real email client that is.
>Netscape.

         1.  Netscape isn't necessarily a "real" email client.  Pegasus,
Eudora, even Outlook come to mind.
         2.  You can't type an address?

         Earl


Earl Needham, KD5XB, Clovis, New Mexico
KD5XB-2>APW251,PCSAT-1*:=3425.83N/10313.55W-PHG7150/WinAPRS 2.5.1
-EARL_CLOVIS -251-<630>
Did you get a letter from Nigeria offering a "deal"?  See
```

```
http://home.rica.net/alphae/419coal/ and
http://www.crimes-of-persuasion.com/Crimes/Business/nigerian.htm


---
You are currently subscribed to aprssig as: lyris.aprssig@tapr.org
To unsubscribe send a blank email to leave-aprssig-842K@lists.tapr.org
Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org
```

---

537. [aprssig] Re: Macintosh Software; SAT Tracking, Etc

From: "Josh Gould" <kc8eqa@nospam.columbus.rr.com>
Date: Thu, 18 Apr 2002 16:11:04 -0400
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-75016-2002.04.18-15.45.21--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

```
In you are intreseted,  I know of a way to run the MacOS on your Windows
Machine.  I have had 2 macs and both have died to natural causes and I still
have a Mac running on my desk.  I've also got some downloading to do.

73
Josh Gould
KC8EQA
EM89KA

----- Original Message -----
From: <wa4tkg@attbi.com>
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Sent: Thursday, April 18, 2002 2:58 PM
Subject: [aprssig] Macintosh Software; SAT Tracking, Etc


> http://www.dogparksoftware.com/
> Macintosh_Amateur_Radio_Pr.html
>
> Keith Sproul told me about this link (along with
> quite a few others) and it is SO FANTASTIC, I
> HAD to get on here and write something about it.
> I think ALL of the listed software programs ONLY
> run on Macintosh OS, so go out and buy a USED Mac
> if you have to !
>
> Back to the web site; I've got DOWNLOADING to do!
>
> ---
> You are currently subscribed to aprssig as: kc8eqa@columbus.rr.com
> To unsubscribe send a blank email to leave-aprssig-842K@lists.tapr.org
> Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org
>
>



---
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To unsubscribe send a blank email to leave-aprssig-842K@lists.tapr.org
Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org
```

---

538. [aprssig] Re: Macintosh Software; SAT Tracking, Etc

From: Matthew Stennett <WA4TKG@attbi.com>
Date: Thu, 18 Apr 2002 16:27:19 -0400
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-75019-2002.04.18-16.01.25--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

```
Windoze' Machine?! ;
I run an iMac; DV thanks.

I HAVE found a problem/bug with the MultiMode program;
It basically doesn't work...all I get is a buncha' gibberish when
a packet comes on, occasionally a callsign, but that's all.
Maybe that is NORMAL, if I am copying an APRS signal.
I'll go over to HF; 300bps and see if the band is any more
open to try it on a standard text packet.
The PacSat program is FANTASTIC, and functions just
fine....I already caught the last PCSAT orbit by literally
SECONDS; thanks to it.
Unfortunately, it was so far north, I barely caught it for a minute
or so, but long enough to get into the UPlink.
```

Josh Gould wrote:

> In you are intreseted, I know of a way to run the MacOS on your Windows
> Machine. I have had 2 macs and both have died to natural causes and I still
> have a Mac running on my desk. I've also got some downloading to do.
>
> 73
> Josh Gould
> KC8EQA
> EM89KA
>
> > Macintosh_Amateur_Radio_Pr.html
> >
> > Keith Sproul told me about this link (along with
> > quite a few others) and it is SO FANTASTIC, I
> > HAD to get on here and write something about it.
> > I think ALL of the listed software programs ONLY
> > run on Macintosh OS, so go out and buy a USED Mac
> > if you have to !
> >
> > Back to the web site; I've got DOWNLOADING to do!
> >
> > ---

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Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

---

539. [aprssig] Survey and argument

From: Earl Needham <needhame@yucca.net>
Date: Thu, 18 Apr 2002 14:30:41 -0600
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-75020-2002.04.18-16.06.09--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

I'm surprised at all the email and bickering over the list replies. I regret my part in it, and will contribute no more to the thread beyond this post.

I have had to manually edit almost every reply I've made to the list, up until yesterday afternoon. The list is now working in a more convenient way for me. However, if it's going to cause arguing and loss of list members, then by all means, change it back. I can continue typing addresses as I have for some years now.

7 3
Earl

Earl Needham, KD5XB, Clovis, New Mexico
KD5XB-2>APW251,PCSAT-1*:=3425.83N/10313.55W-PHG7150/WinAPRS 2.5.1
-EARL_CLOVIS -251-<630>
Did you get a letter from Nigeria offering a "deal"? See
http://home.rica.net/alphae/419coal/ and
http://www.crimes-of-persuasion.com/Crimes/Business/nigerian.htm

---
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To unsubscribe send a blank email to leave-aprssig-842K@lists.tapr.org
Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

---

540. [aprssig] Re: ADMIN: reply survey results

From: Bob Bruninga <bruninga@usna.edu>
Date: Thu, 18 Apr 2002 16:32:32 -0400 (EDT)
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-75021-2002.04.18-16.06.43--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

On Thu, 18 Apr 2002, Spider wrote:

> >>   So why would you want the original sender to receive TWO copies?
> >
> > Because the Email address of the original sender "sticks-with" the message
> > instead of being lost forever... With a reply to the SIG only, the
> > original sender is lost...

>
> Come on Bob! This is a Bogus excuse for lack to properly replying. See
> header above

It is not bogus at all. Look at this header. Now all I did was hit REPLY under this new system and only one copy goes out. It replied to the SIG only, and nowhere in this message anywhere is your EMAIL address retained. In fact, no one knows who I am replying to other than some guy named spider. You may call it bogus, but to me it is the most insidious way to do anything if you cannot even see who it was that the email is directed to.

That might not be so important in many cases to the SIG, but in many cases, new information arises in the discussion, and then there is no way to know who was the origiinator without reverse sleuthing which none of us has time to do...

So you might call it bogus, but I call it fundamental to keep track of who started any given thread...

de WB4APR@amsat.org, Bob

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To unsubscribe send a blank email to leave-aprssig-842K@lists.tapr.org
Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

---

541. [aprssig] Re: ADMIN: reply survey results

From: "Doug Younker" <dougy@ruraltel.net>
Date: Thu, 18 Apr 2002 15:36:41 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-75022-2002.04.18-16.12.47--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

----- Original Message -----
From: "Gregg G. Wonderly" <gregg@skymaster.c2-tech.com>
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Sent: Thursday, April 18, 2002 9:50 AM
Subject: [aprssig] Re: ADMIN: reply survey results

:
: >Apparently then EMAIL systems are not consistent, so then the survey
: >appears to have been worded to mirror only the result of the Bill Gates
: >majority... hummh...
:
: I use MH and EXMH via VNC from our server. Reply goes to the list and reply
: all goes to the list and the sender now.
:
: -----
: gregg@c2-tech.com (C2 Technologies Inc)

Stan ask the aprsig members;
>>When you reply to a message on this SIG, the SIG software is set up so that
you end up replying to the person that posted the message. Your reply will not be posted to the SIG unless you Reply-To-All or you add the SIG email address in the TO: field of your message.

Is this the way you like it? Many other SIGs including two others I administer are set up to reply to the SIG rather than to the person who posted the message. Would you prefer this option?

Let me know if you would prefer to reply to the SIG or reply to the person who posted the message. The majority rules!

73,

Stan, WA1LOU, SIG administrator<<

I really don't know how Stan could have been any clearer. Yes the results reflect a "Bill Gates majority" and that was predictable and to suggest Stan was deceptive, when he composed his survey is unfair. After editing to hopefully to insure, this will not come across as a flame towards Gregg and because that Bob and Earl had expressed an opinion that the survey was confusing, my letting this go to the list a deliberate action.--73

Doug, N0LKK
 dougy@ruraltel.net

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Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

---

542. [aprssig] test

From: "Horzepa, Stan" <SHorzepa@c-cor.net>
Date: Thu, 18 Apr 2002 16:44:59 -0400
To: TAPR APRS Special Interest Group <aprssig@lists.tapr.org>
Message-ID: <LYR842-75025-2002.04.18-16.24.14--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

test

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Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

---

543. [aprssig] Re: Did a worm hit the membership yesterday?

From: "Mike Yetsko" <myetsko@insydesw.com>
Date: Thu, 18 Apr 2002 16:52:00 -0400
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-75026-2002.04.18-16.28.12--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

I would have thought that for the worm to be spreading so fast so early
this week, it would have at least had a few hints that had gotten to the
virus scan people earlier.

Mike

> At 02:17 PM 4/18/2002 -0400, Mike Yetsko wrote:
> >What's spooky is that when I saved off the email, the Monday update
> >for Norton didn't find any viri or worms. Now I'm not sure I'm
infected
> >or not.
>
> Virus scanners can only find viruses/worms/etc that they already know
about.
>

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To unsubscribe send a blank email to leave-aprssig-842K@lists.tapr.org
Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

---

544. [aprssig] Re: ADMIN: reply survey results

From: "Mike Yetsko" <myetsko@insydesw.com>
Date: Thu, 18 Apr 2002 16:55:12 -0400
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-75032-2002.04.18-16.33.19--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

>   2. You can't type an address?

I use OE, and I never even SEE someone's address at first. I have to
reply to a message, then DELETE the To: field which points to the list.
Then cut and paste from the header in the message From: field to
get someone direct email.

More trouble than it's worth, unless you REALLY want to keep it
private.

Mike

----- Original Message -----
From: "Earl Needham" <needhame@yucca.net>
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Sent: Thursday, April 18, 2002 3:58 PM
Subject: [aprssig] Re: ADMIN: reply survey results

```
> At 01:58 PM 4/18/2002 -0400, Alex wrote:
> >Hey, I would have sent it to him in private, but neither Reply not
Reply
> >All shows his email addy anymore.....in a real email client that is.
> >Netscape.
>
>          1.  Netscape isn't necessarily a "real" email client.  Pegasus,
> Eudora, even Outlook come to mind.
>          2.  You can't type an address?
>
>          Earl
>
> Earl Needham, KD5XB, Clovis, New Mexico



---
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Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org
```

545. [aprssig] Re: ADMIN: reply survey results

From: Bob Bruninga <bruninga@usna.edu>
Date: Thu, 18 Apr 2002 17:00:44 -0400 (EDT)
To: TAPR APRS Special Interest Group <aprssig@lists.tapr.org>
Message-ID: <LYR842-75033-2002.04.18-16.34.56--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

```
On Thu, 18 Apr 2002, Doug Younker wrote:

> Stan ask the aprsig members;
> >>When you reply to a message on this SIG, the SIG software is set up so
> >>that you end up replying to the person that posted the message. Your
> >>reply will not be posted to the SIG unless you Reply-To-All or you add
> >>the SIG email address in the TO: field of your message.
>
> I really don't know how Stan could have been any clearer.  Yes the results
> reflect a "Bill Gates majority" and that was predictable and to suggest Stan
> was deceptive, when he composed his survey is unfair.  After editing to
> hopefully to insure, this will not come across as a flame towards Gregg and
> because that Bob and Earl had expressed an opinion that the survey was
> confusing, my letting this go to the list a deliberate action.--73

Well, I never said it was deceptive at all, And your comment that you
cannot see how stan could have been any clearer makes sense only if what
'your' mail system does is what his does.  Now given that my email system
does not do what he says his 'currently does' then it certianly leaves
what he did say open to all kinds of conjecture and missinterpretation..
In that sense, all I said was that it was "confusing".

So please dont say I was accusing Stann of being deceptive.

He has a hard job.  I was only feeding back what appears to be confusing
on my end because I dont run Bill Gates software like the majority... and
so what I see is not what he implied I should see... so to me, that is
confusing... no deceptive....

But now, no one can see who I am replying to can they...
I sure cannot tell...

Bob




---
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Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org
```

546. [aprssig] Re: ADMIN: reply survey results

From: "Ronald Reams" <wa4mjf@worldnet.att.net>
Date: Thu, 18 Apr 2002 17:14:03 -0400
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-75034-2002.04.18-16.47.31--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

The person that started it will
be the last message on the page.

If you type your message on top and don't delete anything.

73 de Ronnie

----- Original Message -----
From: "Bob Bruninga" <bruninga@usna.edu>
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Sent: Thursday, April 18, 2002 16:32
Subject: [aprssig] Re: ADMIN: reply survey results

On Thu, 18 Apr 2002, Spider wrote:

> >>   So why would you want the original sender to receive TWO
copies?
> >
> > Because the Email address of the original sender "sticks-with" the
message
> > instead of being lost forever... With a reply to the SIG only, the
> > original sender is lost...
>
> Come on Bob! This is a Bogus excuse for lack to properly replying. See
> header above

It is not bogus at all. Look at this header. Now all I did was hit
REPLY under this new system and only one copy goes out. It replied to the
SIG only, and nowhere in this message anywhere is your EMAIL address
retained. In fact, no one knows who I am replying to other than some guy
named spider. You may call it bogus, but to me it is the most insidious
way to do anything if you cannot even see who it was that the email is
directed to.

That might not be so important in many cases to the SIG, but in many
cases, new information arises in the discussion, and then there is no way
to know who was the origiinator without reverse sleuthing which none of us
has time to do...

So you might call it bogus, but I call it fundamental to keep track of who
started any given thread...

de WB4APR@amsat.org, Bob

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To unsubscribe send a blank email to leave-aprssig-842K@lists.tapr.org
Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

---
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To unsubscribe send a blank email to leave-aprssig-842K@lists.tapr.org
Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

547. [aprssig] Re: ADMIN: reply survey results

From: "Josh Gould" <kc8eqa@nospam.columbus.rr.com>
Date: Thu, 18 Apr 2002 17:13:33 -0400
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-75035-2002.04.18-16.47.52--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Ok, I was going ot stay out of this but, If I hit 'Reply' It goes to the
SIG and if Hit 'Reply All' it also goes to the sig. so I don't see how the
software for the sig is set up.

73
Josh Gould
KC8EQA
EM80KA
kc8eqa@columbus.rr.com
----- Original Message -----
From: "Bob Bruninga" <bruninga@usna.edu>
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Sent: Thursday, April 18, 2002 5:00 PM
Subject: [aprssig] Re: ADMIN: reply survey results

```
> On Thu, 18 Apr 2002, Doug Younker wrote:
>
> > Stan ask the aprsig members;
> > >>When you reply to a message on this SIG, the SIG software is set up so
> > >>that you end up replying to the person that posted the message. Your
> > >>reply will not be posted to the SIG unless you Reply-To-All or you add
> > >>the SIG email address in the TO: field of your message.
> >
> > I really don't know how Stan could have been any clearer.  Yes the
results
> > reflect a "Bill Gates majority" and that was predictable and to suggest
Stan
> > was deceptive, when he composed his survey is unfair.  After editing to
> > hopefully to insure, this will not come across as a flame towards Gregg
and
> > because that Bob and Earl had expressed an opinion that the survey was
> > confusing, my letting this go to the list a deliberate action.--73
>
> Well, I never said it was deceptive at all, And your comment that you
> cannot see how stan could have been any clearer makes sense only if what
> 'your' mail system does is what his does.  Now given that my email system
> does not do what he says his 'currently does' then it certianly leaves
> what he did say open to all kinds of conjecture and missinterpretation..
> In that sense, all I said was that it was "confusing".
>
> So please dont say I was accusing Stann of being deceptive.
>
> He has a hard job.  I was only feeding back what appears to be confusing
> on my end because I dont run Bill Gates software like the majority... and
> so what I see is not what he implied I should see... so to me, that is
> confusing... no deceptive....
>
> But now, no one can see who I am replying to can they...
> I sure cannot tell...
>
> Bob
>
>
>
>
> ---
> You are currently subscribed to aprssig as: kc8eqa@columbus.rr.com
> To unsubscribe send a blank email to leave-aprssig-842K@lists.tapr.org
> Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org
>
>
```

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Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

548. [aprssig] Re: Survey and argument

From: blitz <blitz@macronet.net>
Date: Thu, 18 Apr 2002 17:20:30 -0400
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-75038-2002.04.18-16.59.06--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Don't fret too much about it, this list is like many I'm on, give 'em a yes or no question to reply to, and you'll get white papers, doctoral dissertations, and a couple novels on what it takes to decide yes or no.

At 14:30 4/18/02 -0600, you wrote:

```
>         I'm surprised at all the email and bickering over the list
> replies.  I regret my part in it, and will contribute no more to the
> thread beyond this post.
```

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549. [aprssig] Re: test

From: "Jack Thomas" <jack.thomas@sympatico.ca>
Date: Thu, 18 Apr 2002 17:24:14 -0400
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-75039-2002.04.18-16.59.23--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

It works fine Stan.
----- Original Message -----
From: "Horzepa, Stan" <SHorzepa@c-cor.net>
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Sent: Thursday, April 18, 2002 4:44 PM
Subject: [aprssig] test

> test
>
> ---
> You are currently subscribed to aprssig as: jack.thomas@sympatico.ca
> To unsubscribe send a blank email to leave-aprssig-842K@lists.tapr.org
> Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org
>
>

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To unsubscribe send a blank email to leave-aprssig-842K@lists.tapr.org
Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

---

550. [aprssig] Mac Packeteering

From: Matthew Stennett <WA4TKG@attbi.com>
Date: Thu, 18 Apr 2002 17:36:29 -0400
To: TAPR APRS Special Interest Group <aprssig@lists.tapr.org>
Message-ID: <LYR842-75041-2002.04.18-17.10.36--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Josh Gould wrote:

> Ok, I was going ot stay out of this but, If I hit 'Reply' It goes to the
> SIG and if Hit 'Reply All' it also goes to the sig. so I don't see how the
> software for the sig is set up.

Hay Josh:
Write me your email off SIG (the one you use personally)
I can't get you now!; due to this REconfiguring!
I wanna' ask you how you have the tnc talking to
the script program.
I'm running an iMac now, so being that it's a USB port,
not sure I can rig it up!

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To unsubscribe send a blank email to leave-aprssig-842K@lists.tapr.org
Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

---

551. [aprssig] Re: Survey and argument

From: Mark Fellhauer <sparkfel@qwest.net>
Date: Thu, 18 Apr 2002 16:40:04 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-75043-2002.04.18-17.14.35--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

At 03:30 PM 4/18/02, Earl Needham wrote:

>   I have had to manually edit almost every reply I've made to the
> list, up until yesterday afternoon. The list is now working in a more
> convenient way for me. However, if it's going to cause arguing and loss
> of list members, then by all means, change it back. I can continue
> typing addresses as I have for some years now.

Please don't take this the wrong way, Earl, 'cause you're a nice guy and
all.   But wouldn't it be more convenient for you to: cut in line, pass
people on the right, ignore stop signs, elbow your way onto an elevator or
bus before exiting passengers got off, etc...

So making hundreds of people modify the settings of and/or change email
clients altogether so that you don't have to (point-click-highlight-del) is

better how?   And BTW, in my case I still have to do the same as I did
before, except now I have to point-click-highlight-del something much
longer than a standard email address. That being: "TAPR APRS Special
Interest Group" <aprssig@lists.tapr.org>

Thanks,

Mark
KC7BXS

You are currently subscribed to aprssig as: lyris.aprssig@tapr.org
To unsubscribe send a blank email to leave-aprssig-842K@lists.tapr.org
Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

---

552. [aprssig] Enough!!!!

From: Jim Duncan <jdbandman@earthlink.net>
Date: Thu, 18 Apr 2002 16:53:02 -0500
To: aprssig@tapr.org
Message-ID: <LYR842-75048-2002.04.18-17.27.29--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Gee whiz, folks.... Enough with the off-topic whine-fest.... I'm outta
here....

Stan: Email me when this stops and I'll resubscribe....

P.S.: I'm just not interested in reading anyone's replies,
justifications, etc. relative to the current argument. Please don't
bother.
--
73 de Jim, KU0G
Chairman/Coordinator
Kansas City APRS Working Group, W0APR
First Alert Storm Team KMBC-TV9
Mailto:ku0g@kcaprs.org
Webpage: http://www.kcaprs.org

You are currently subscribed to aprssig as: lyris.aprssig@tapr.org
To unsubscribe send a blank email to leave-aprssig-842K@lists.tapr.org
Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

---

553. [aprssig] Re: Macintosh Software; SAT Tracking, Etc

From: Steve Jones <sdjones@sympatico.ca>
Date: Thu, 18 Apr 2002 17:51:53 -0400
To: TAPR APRS Special Interest Group <aprssig@lists.tapr.org>
Message-ID: <LYR842-75049-2002.04.18-17.28.24--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

on 4/18/02 16:27, Matthew Stennett at WA4TKG@attbi.com wrote:

> I HAVE found a problem/bug with the MultiMode program;
> It basically doesn't work...all I get is a buncha' gibberish when
> a packet comes on, occasionally a callsign,

Have you tried the Mac ham software group (ham-mac@mailman.qth.net)? Chris
Smolinski, the author of Multimode, is an active member there.

I'd check your own settings and connections before I blamed this program.
So far no one has reported any problems with the packet mode.

--
Steve <sdjones@sympatico.ca>

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To unsubscribe send a blank email to leave-aprssig-842K@lists.tapr.org
Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

---

554. [aprssig] Re: Did a worm hit the membership yesterday?

From: Jim Sanford <wb4gcs@amsat.org>
Date: Thu, 18 Apr 2002 17:56:50 -0400
To: TAPR APRS Special Interest Group <aprssig@lists.tapr.org>
Message-ID: <LYR842-75053-2002.04.18-17.31.54--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

```
I had 2 warnings from Norton when I opened email this afternoon with
that virus . . . deleted nicely.
73,
Jim
wb4gcs@amsat.org


Ken Collins wrote:
>
> In message
> <LYR26201-74909-2002.04.18-09.52.53--g4fip#btinternet.com@lists.tapr.org>
> , Mike Yetsko <myetsko@insydesw.com> writes
> >It seems early this week a worm let loose.  I got a FLOOD of emails (17
> >on wednesday alone) that were all of the same type. "Congratulations!"
> >or "let's be friends".  All had 'suspicious' attachments. (However,
> >when I saved off some of them and ran this weeks update from Noron
> >against them, they passed.  I still blew them off.)
>
> This is the W32.Klez.H@mm virus. It's a real nasty one and is spreading
> rapidly.
>
> For fuller details go to:-
>
> http://www.symantec.com
>
> --
> Ken Collins - G4FIP
> E-mail:- g4fip@btinternet.com
> http://www.btinternet.com/~g4fip
>
> ---
> You are currently subscribed to aprssig as: wb4gcs@amsat.org
> To unsubscribe send a blank email to leave-aprssig-842K@lists.tapr.org
> Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

---
You are currently subscribed to aprssig as: lyris.aprssig@tapr.org
To unsubscribe send a blank email to leave-aprssig-842K@lists.tapr.org
Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org
```

---

555. [aprssig] RE: Enough!!!!

From: Carlos_Hagad@Dell.com
Date: Thu, 18 Apr 2002 17:09:30 -0500
To: aprssig@lists.tapr.org
Message-ID: <LYR842-75057-2002.04.18-17.43.39--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

```
I agree. I'm a new guy and I thought subscribing to the list would be a good
start to learn all about APRS. After three weeks and reading hundreds of
mail from here, I'm not much farther than when I first started.

Carlos

-----Original Message-----
From: Jim Duncan [mailto:jdbandman@earthlink.net]
Sent: Thursday, April 18, 2002 4:53 PM
To: aprssig@tapr.org
Subject: [aprssig] Enough!!!!


Gee whiz, folks.... Enough with the off-topic whine-fest....  I'm outta
here....

Stan:  Email me when this stops and I'll resubscribe....

P.S.:  I'm just not interested in reading anyone's replies,
justifications, etc. relative to the current argument.  Please don't
bother.
--
73 de Jim, KU0G
Chairman/Coordinator
Kansas City APRS Working Group, W0APR
First Alert Storm Team KMBC-TV9
Mailto:ku0g@kcaprs.org
```

```
Webpage: http://www.kcaprs.org

---
You are currently subscribed to aprssig as: Carlos_Hagad@Dell.com
To unsubscribe send a blank email to leave-aprssig-842K@lists.tapr.org
Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org


---
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To unsubscribe send a blank email to leave-aprssig-842K@lists.tapr.org
Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org
```

556. [aprssig] For the new Folks...(formerly "Enough")

From: "Mark A.Foley" <na4v@cox.net>
Date: Thu, 18 Apr 2002 18:17:44 -0400
To: "'TAPR APRS Special Interest Group'" <aprssig@lists.tapr.org>
Message-ID: <LYR842-75059-2002.04.18-17.51.18--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

```
Hang in there Carlos...once everyone climbs back up after falling on
their sword over this whole mess, we usually have
good things to offer to new folks...
Mark, NA4V
>
> > -----Original Message-----
> > From: bounce-aprssig-27405@lists.tapr.org
> > [mailto:bounce-aprssig-27405@lists.tapr.org] On Behalf Of
> > Carlos_Hagad@Dell.com
> > Sent: Thursday, April 18, 2002 18:10
> > To: aprssig@lists.tapr.org
> > Subject: [aprssig] RE: Enough!!!!
> >
> >
> > I agree. I'm a new guy and I thought subscribing to the list
> > would be a good start to learn all about APRS. After three
> > weeks and reading hundreds of mail from here, I'm not much
> > farther than when I first started.
> >
> > Carlos


---
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Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org
```

557. [aprssig] Re: ADMIN: reply survey results

From: "Ev Tupis (W2EV)" <w2ev@arrl.net>
Date: Thu, 18 Apr 2002 18:40:51 -0400
To: TAPR APRS Special Interest Group <aprssig@lists.tapr.org>
Message-ID: <LYR842-75061-2002.04.18-18.15.03--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

```
Using Netscape 4.7x both REPLY and REPLY ALL will reply only to the list.
I voted to REPLY TO THE LIST.
That is what most people voted for.
No vote=shaddup already.  ;-)

HAPIS,
Ev, W2EV
oink



"Horzepa, Stan" wrote:
>
> Hello Jeff,
>
> Correction: Those who voted against the change or did not vote at all are
> SOL. Those who did vote for the change are HAPIS.
>
> 73,
>
> Stan, WA1LOU
>
> > -----Original Message-----
> > From: Jeff King [mailto:transit_man@hotmail.com]
>
```

```
> > I liked the old way better also, but then again, I didn't
> > speak up during
> > the "poll" so if that is how this SIG is going to be run, I
> > guess we are all
> > SOL.
> >
>
> ---
> You are currently subscribed to aprssig as: w2ev@rochester.rr.com
> To unsubscribe send a blank email to leave-aprssig-842K@lists.tapr.org
> Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

--
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---
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Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org
```

558. [aprssig] RE: Enough!!!!

From: "Ev Tupis (W2EV)" <w2ev@arrl.net>
Date: Thu, 18 Apr 2002 18:53:58 -0400
To: TAPR APRS Special Interest Group <aprssig@lists.tapr.org>
Message-ID: <LYR842-75062-2002.04.18-18.28.09--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

```
Carlos_Hagad@Dell.com wrote:
>
> I agree. I'm a new guy and I thought subscribing to the list would be a good
> start to learn all about APRS. After three weeks and reading hundreds of
> mail from here, I'm not much farther than when I first started.
>
> Carlos

Dear Carlos,
Welcome!  With the exception of anything dealing with e.Mail, please...ask a
newbie question so we can refocus on why we're here. :o)  You'll get a ton
of help from folks who are ready, willing and able to do so.  APRS is cool.
We'll help to get you active. :o)

Warm regards,
Ev Tupis, W2EV
--
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http://go.to/BEACONet


---
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To unsubscribe send a blank email to leave-aprssig-842K@lists.tapr.org
Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org
```

559. [aprssig] ADMIN: Settings Tweaked

From: Stan Horzepa <stanzepa@earthlink.net>
Date: Thu, 18 Apr 2002 18:57:52 -0400
To: aprssig <aprssig@tapr.org>
Message-ID: <LYR842-75063-2002.04.18-18.32.06--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

```
At about 5 PM EDST, I tweaked the settings of the APRSSIG. Please email me
directly (stanzepa@earthlink.net) with your comments regarding these changes
so that we don't tie up the SIG.

Thanks in advance for your patience,

Stan, WA1LOU, APRSSIG administrator


---
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Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org
```

560. [aprssig] maybe a new digi....

From: Ken Cechura <kcechura@umr.edu>
Date: Thu, 18 Apr 2002 18:01:50 -0500
To: aprssig@tapr.org
Message-ID: <LYR842-75064-2002.04.18-18.36.00--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Well, if i get the time to build the cable this weekend, W0EEE should show up as a digi (not a gate, just a digi for now) after saturday.... still working on the MOCOM, but just to get something up, I plan on wiring up a yaesu FT-2400 that we have here in the shack.... it'll be even better if I replace the memory backup battery in it... maybe a couple of AA's or something.

at any rate, it'll help to fill the hole between Jeff City, St. Louis, and springfield.

[ahh... an email with no mention of the reply debate....well, i guess not, i just mentioned it <g>]

73
Ken

```
      ///////////////////////////////////////////////////////
     //        Kenneth R. Cechura, KC9UMR                //
    //             kcechura@umr.edu                     //
   //           President, W0EEE, 2002                 //
  // University of Missouri-Rolla Amateur Radio Club  //
///////////////////////////////////////////////////////
```

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To unsubscribe send a blank email to leave-aprssig-842K@lists.tapr.org
Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

561. [aprssig] test

From: "Jimmy Burkhalter" <kb5wio@tcac.net>
Date: Thu, 18 Apr 2002 18:37:03 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-75082-2002.04.18-19.11.07--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

test

http://www.findu.com/cgi-bin/find.cgi?call=kb5wio-9&radar=***

Jimmy Burkhalter   KB5WIO
Amarillo, Texas

kb5wio@tcac.net

35:9:6 N 101:52:332 W

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To unsubscribe send a blank email to leave-aprssig-842K@lists.tapr.org
Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

562. [aprssig] New Folks ?

From: Matthew Stennett <WA4TKG@attbi.com>
Date: Thu, 18 Apr 2002 20:34:37 -0400
To: TAPR APRS Special Interest Group <aprssig@lists.tapr.org>
Message-ID: <LYR842-75096-2002.04.18-20.08.53--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

I've kept hitting the DELETE button ever since
I answered the original survey.
...haven't' seen any QUESTIONS / HELLLLLP !! messages for
some time now.

"Mark A.Foley" wrote:

> Hang in there Carlos...once everyone climbs back up after falling on
> their sword over this whole mess, we usually have

```
> good things to offer to new folks...
> Mark, NA4V
>  RE: Enough!!!!
> > >
> > >
> > > I agree. I'm a new guy and I thought subscribing to the list
> > > would be a good start to learn all about APRS. After three
> > > weeks and reading hundreds of mail from here, I'm not much
> > > farther than when I first started.
> > >
> > > Carlos
>
> ---


---
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To unsubscribe send a blank email to leave-aprssig-842K@lists.tapr.org
Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org
```

563. [aprssig] REF: MultiMode for Macintosh

From: Matthew Stennett <WA4TKG@attbi.com>
Date: Thu, 18 Apr 2002 20:38:51 -0400
To: TAPR APRS Special Interest Group <aprssig@lists.tapr.org>
Message-ID: <LYR842-75097-2002.04.18-20.13.01--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

```
I've already written to him, &
I SUSPECTED my settings being off/wrong.
He wrote back saying that half the time, he gets
the same thing.
I DID copy some traffic off of 10.151, & from 2m, but
it's not all that SOLID.

Steve Jones wrote:

> on 4/18/02 16:27, Matthew Stennett at WA4TKG@attbi.com wrote:
>
> > I HAVE found a problem/bug with the MultiMode program;
> > It basically doesn't work...all I get is a buncha' gibberish when
> > a packet comes on, occasionally a callsign,
>
> Have you tried the Mac ham software group (ham-mac@mailman.qth.net)?  Chris
> Smolinski, the author of Multimode, is an active member there.
>
> I'd check your own settings and connections before I blamed this program.
> So far no one has reported any problems with the packet mode.
>
> --
> Steve <sdjones@sympatico.ca>


---
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To unsubscribe send a blank email to leave-aprssig-842K@lists.tapr.org
Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org
```

564. [aprssig] Re: ADMIN: Settings Tweaked

From: "Mike Yetsko" <myetsko@insydesw.com>
Date: Thu, 18 Apr 2002 21:21:16 -0400
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>,
        "aprssig" <aprssig@tapr.org>
Message-ID: <LYR842-75107-2002.04.18-20.55.12--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

```
Stan,

Now when I 'reply' the To: field is JUST to TAPR.  But when I 'reply all
the To: field is both TAPR and APRSSIG.  Only I'm not part of APRSSIG
and it won't let be post

----- Original Message -----
From: "Stan Horzepa" <stanzepa@earthlink.net>
To: "aprssig" <aprssig@tapr.org>
Sent: Thursday, April 18, 2002 6:57 PM
Subject: [aprssig] ADMIN: Settings Tweaked


> At about 5 PM EDST, I tweaked the settings of the APRSSIG. Please email
```

```
me
> directly (stanzepa@earthlink.net) with your comments regarding these
changes
> so that we don't tie up the SIG.
>
> Thanks in advance for your patience,
>
> Stan, WA1LOU, APRSSIG administrator
>
>
> ---
> You are currently subscribed to aprssig as: myetsko@insydesw.com
> To unsubscribe send a blank email to leave-aprssig-842K@lists.tapr.org
> Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org
>
>



---
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To unsubscribe send a blank email to leave-aprssig-842K@lists.tapr.org
Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org
```

565. [aprssig] Re: ADMIN: Settings Tweaked

From: "Mike Yetsko" <myetsko@insydesw.com>
Date: Thu, 18 Apr 2002 21:24:24 -0400
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-75109-2002.04.18-20.58.30--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

```
Which, by the way, causes me to get emails from lyriss telling me I'm
doing things wrong.

Mike

----- Original Message -----
From: "Stan Horzepa" <stanzepa@earthlink.net>
To: "aprssig" <aprssig@tapr.org>
Sent: Thursday, April 18, 2002 6:57 PM
Subject: [aprssig] ADMIN: Settings Tweaked


> At about 5 PM EDST, I tweaked the settings of the APRSSIG. Please email
me
> directly (stanzepa@earthlink.net) with your comments regarding these
changes
> so that we don't tie up the SIG.
>
> Thanks in advance for your patience,
>
> Stan, WA1LOU, APRSSIG administrator
>
>
> ---
> You are currently subscribed to aprssig as: myetsko@insydesw.com
> To unsubscribe send a blank email to leave-aprssig-842K@lists.tapr.org
> Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org
>
>



---
You are currently subscribed to aprssig as: lyris.aprssig@tapr.org
To unsubscribe send a blank email to leave-aprssig-842K@lists.tapr.org
Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org
```

566. [aprssig] Re: ADMIN: reply survey results

From: Rich Jackson <hparc@mindspring.com>
Date: Thu, 18 Apr 2002 21:33:05 -0400
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-75111-2002.04.18-21.18.39--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

```
I'm sorry.. could you define "real e-mail client" for me please?  I use
Outlook (express and Outlook 2000) and Eudora.  Before when I hit reply,
the reply went to the sender.  When I hit reply to all, it went to the
sender and the list.  NOW when I hit reply, it goes to the list.  HOWEVER,
when I hit reply to all, TWO copies go to the list.
```

If you think the S/N ratio is high now, wait until two copies of messages
hit the list as (right or wrong) many people I know automatically reach for
the reply-to-all button for every e-mail.

I guess we're just all SOL..

73
de Rich
KC5DUO/8

At 01:14 PM 4/18/2002, you wrote:
>I think people should stop whining.... and
>
>3. If you don't like how it works now, you should get a real email client,
>or stop replying to people on the list. The noise-level is already so high
>here, that people start reading threads selectively.
>
>Your mileage may vary.

You are currently subscribed to aprssig as: lyris.aprssig@tapr.org
To unsubscribe send a blank email to leave-aprssig-842K@lists.tapr.org
Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

---

567. [aprssig] Re: ADMIN: Settings Tweaked

From: "Brian B. Riley \(N1BQ\) ListAcct" <n1bq_list@wulfden.org>
Date: Thu, 18 Apr 2002 22:09:48 -0400
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-75112-2002.04.18-21.43.51--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

-----Original Message-----
From: bounce-aprssig-25883@lists.tapr.org
[mailto:bounce-aprssig-25883@lists.tapr.org]On Behalf Of Mike Yetsko
Sent: Thursday, April 18, 2002 9:24 PM
To: TAPR APRS Special Interest Group
Subject: [aprssig] Re: ADMIN: Settings Tweaked

Which, by the way, causes me to get emails from lyriss telling me I'm
doing things wrong.

Mike

----- Original Message -----
From: "Stan Horzepa" <stanzepa@earthlink.net>
To: "aprssig" <aprssig@tapr.org>
Sent: Thursday, April 18, 2002 6:57 PM
Subject: [aprssig] ADMIN: Settings Tweaked

> At about 5 PM EDST, I tweaked the settings of the APRSSIG. Please email
me
> directly (stanzepa@earthlink.net) with your comments regarding these
changes
> so that we don't tie up the SIG.
>
> Thanks in advance for your patience,
>
> Stan, WA1LOU, APRSSIG administrator
>
>
> ---
> You are currently subscribed to aprssig as: myetsko@insydesw.com
> To unsubscribe send a blank email to leave-aprssig-842K@lists.tapr.org
> Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org
>
>

You are currently subscribed to aprssig as: n1bq_list@wulfden.org
To unsubscribe send a blank email to leave-aprssig-842K@lists.tapr.org
Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

```
---
You are currently subscribed to aprssig as: lyris.aprssig@tapr.org
To unsubscribe send a blank email to leave-aprssig-842K@lists.tapr.org
Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org
```

568. [aprssig] RE: Enough!!!!

From: "Germino" <mgermino@inreach.com>
Date: Thu, 18 Apr 2002 19:26:27 -0700
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-75114-2002.04.18-22.03.05--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

```
> I agree. I'm a new guy and I thought subscribing to the list would be a
good
> start to learn all about APRS. After three weeks and reading hundreds of
> mail from here, I'm not much farther than when I first started.
>
> Carlos
>


Carlos:  Hurry ask a question and maybe we will get back on track.  HIHI

Mike
73, AD6AA


---
You are currently subscribed to aprssig as: lyris.aprssig@tapr.org
To unsubscribe send a blank email to leave-aprssig-842K@lists.tapr.org
Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org
```

569. [aprssig] Re: ADMIN: reply survey results

From: Robbie Robertson <mwrobertson@attbi.com>
Date: Thu, 18 Apr 2002 21:55:56 -0500
To: TAPR APRS Special Interest Group <aprssig@lists.tapr.org>
Message-ID: <LYR842-75118-2002.04.18-22.29.02--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

```
Fortunately, "two" e-mails are _not_ sent to the sig on a
reply to all. Even though there is "two" To:s, it looks like
Stan had to set the listserver up to cancel the dupes!

Maybe Netscape, Outlook Express, and the main mailers were
doing it wrong all along, :-) and we will have to get use to
copy and paste. I wish it would have stayed fixed.

Robbie

Rich Jackson wrote:
>
> I'm sorry.. could you define "real e-mail client" for me please?  I use
> Outlook (express and Outlook 2000) and Eudora.  Before when I hit reply,
> the reply went to the sender.  When I hit reply to all, it went to the
> sender and the list.  NOW when I hit reply, it goes to the list.  HOWEVER,
> when I hit reply to all, TWO copies go to the list.
>
> If you think the S/N ratio is high now, wait until two copies of messages
> hit the list as (right or wrong) many people I know automatically reach for
> the reply-to-all button for every e-mail.
>
> I guess we're just all SOL..
>
> 73
> de Rich
> KC5DUO/8
>
> At 01:14 PM 4/18/2002, you wrote:
> >I think people should stop whining.... and
> >
> >3. If you don't like how it works now, you should get a real email client,
> >or stop replying to people on the list. The noise-level is already so high
> >here, that people start reading threads selectively.
> >
> >Your mileage may vary.
>
> ---
> You are currently subscribed to aprssig as: mwrobertson@attbi.com
> To unsubscribe send a blank email to leave-aprssig-842K@lists.tapr.org
> Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

--

- Robbie Robertson -
...-.- wa9inf ...-.-

---
You are currently subscribed to aprssig as: lyris.aprssig@tapr.org
To unsubscribe send a blank email to leave-aprssig-842K@lists.tapr.org
Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org
```

---

570. [aprssig] Re: More weather questions

From: Earl Needham <needhame@yucca.net>
Date: Thu, 18 Apr 2002 20:58:24 -0600
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-75119-2002.04.18-22.33.02--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

```
At 07:13 AM 4/18/2002 -0400, dale huguley wrote:
>Earl Needham wrote:
>>     Sooooooo.........
>>     I have downloaded the NWSshape files and installed them in the
>> c:\winaprs\NWSshape directory.  That directory shows the following files:
>>     c22mr002.dbf    c22mr002.shp    c22mr002.shx
>>     mz21fe02.dbf    mz21fe02..shp    mz21fe02..shx
>>     oz28se01.dbf    oz28se01.shp    oz28se01.shx
>>     z_16mr02.dbf    z_16mr02.shp    z_16mr02.shx
>>     That IS how they're supposed to be, right?
>Earl & the Sig-
>I did some experimentation this morning and discovered that if you don't
>have the County Warning Areas shapefiles loaded, you don't get all the
>counties to light up. Current zip is available at:
>
>http://isl715.nws.noaa.gov/mapdata/newcat/amdc/wsom/w_30nv01.zip

         It's working now!

         Thanks, Dale!

         7 3
         Earl


Earl Needham, KD5XB, Clovis, New Mexico
KD5XB-2>APW251,PCSAT-1*:=3425.83N/10313.55W-PHG7150/WinAPRS 2.5.1
-EARL_CLOVIS -251-<630>
Did you get a letter from Nigeria offering a "deal"?  See
http://home.rica.net/alphae/419coal/ and
http://www.crimes-of-persuasion.com/Crimes/Business/nigerian.htm


---
You are currently subscribed to aprssig as: lyris.aprssig@tapr.org
To unsubscribe send a blank email to leave-aprssig-842K@lists.tapr.org
Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org
```

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571. [aprssig] Sorry Stan,

From: John Kraus <jfkraus2@cox.net>
Date: Thu, 18 Apr 2002 23:20:59 -0400
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>,
aprssig <aprssig@tapr.org>
Message-ID: <LYR842-75123-2002.04.18-22.54.38--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

```
Sorry Stan,

It's still broke and I have no way to reply direct without creating an
address book entry or going through a convoluted cut and paste. Not worth
the bother.
There should not be any need to cut and paste or create an address book
entry for each individual in order to reply off SIG.  I use an address book
entry to reply to the sig alone and this should work for anyone with a
modern Email client.  If an Email client does not have an address book it
is worthless.

At 06:57 PM 18-04-02 -0400, Stan Horzepa wrote:
>At about 5 PM EDST, I tweaked the settings of the APRSSIG. Please email me
```

>directly (stanzepa@earthlink.net) with your comments regarding these changes
>so that we don't tie up the SIG.

You are currently subscribed to aprssig as: lyris.aprssig@tapr.org
To unsubscribe send a blank email to leave-aprssig-842K@lists.tapr.org
Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

572. [aprssig] Help with Eudora after obtuse TAPR lists change

From: Mark Fellhauer <sparkfel@qwest.net>
Date: Thu, 18 Apr 2002 22:57:55 -0500
To: aprssig@tapr.org
Message-ID: <LYR842-75127-2002.04.18-23.32.31--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Although it's been a while since I poked around in Eudora's settings, I think you will find that if you want to properly quote someone by using the "Reply" option you will have to do more than go into the tools/options/replying menu. If memory serves me, you will have to fidget with the Eudora.ini file.

http://www.eudora.com/techsupport/ini.html

Although, I don't personally plan to change my .ini, this should point people in the right direction to do so if they desire.

IMHO, someone who is FOR this change should assemble a walk-through for the top 10 email clients so that people can fix what wasn't broken before. It's the least you guys can do. And/or people with questions on how to fix their email clients should round up a list of people who were/are PRO-CHANGE and email them directly on how to fix what wasn't broken before - and don't forget to Cc: Stan when you do so...

Finally, please keep track of how much time you spent (in minutes) personally to make this work. Remember the national US average for a in-home computer service call is about $60 per hour (1st hour not pro-rated). According to Stan there are 1200 people subscribed to this SIG. If 25% of you have to figure out how to work around the "SIG improvements" and it takes 15 minutes to do so, that's quite a bill we should be sending someone... even if it is a mock invoice. ;)

Regards,

Mark
KC7BXS

You are currently subscribed to aprssig as: lyris.aprssig@tapr.org
To unsubscribe send a blank email to leave-aprssig-842K@lists.tapr.org
Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

573. [aprssig] MFJ-1276 TNC question

From: "David Thege" <dthege@ncfcomm.com>
Date: Fri, 19 Apr 2002 0:3:13
To: aprssig@tapr.org
Message-ID: <LYR842-75148-2002.04.19-00.37.19--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Will a MFJ-1276 TNC work for APRS? A friend of mine has one and wants to set up a home station.
(maybe this will get you guys refocused Hi! Hi!) Dave N0XBN tired of wearing out my delete button.

You are currently subscribed to aprssig as: lyris.aprssig@tapr.org
To unsubscribe send a blank email to leave-aprssig-842K@lists.tapr.org
Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

574. [aprssig] SIG Replies

From: Skip <sallison@megsinet.net>
Date: Fri, 19 Apr 2002 00:30:02 -0500
To: APRS Special Interest Group <aprssig@lists.tapr.org>
Message-ID: <LYR842-75159-2002.04.19-01.04.35--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

I'm running Netscape 4.78. On all emails other than from the SIG, if I
hit REPLY ALL, it puts in the address that was in the FROM: and the
addresses that were in the TO:. When I REPLY ALL to SIG emails, it only
puts in the REPLY TO: address. Before the change, REPLY ALL put both
FROM: and TO: addresses. Anybody know why Netscape seems to behave
different to the SIG than to other email? Is it the REPLY TO:?
Anybody know of any Netscape tweaks?

I like the REPLY going to the SIG, but it would be nice if REPLY ALL
went to both originator and the sig. Not that I would want to send it
to both addresses, but it's easy to delete the SIG leaving just the
originator in the rare case that I reply direct to the originator.

Skip
K9SA

---
You are currently subscribed to aprssig as: lyris.aprssig@tapr.org
To unsubscribe send a blank email to leave-aprssig-842K@lists.tapr.org
Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

---

575. [aprssig] Re: Any other APRS Interface units besides...

From: Bill Herrmann <bherrman@spro.net>
Date: Thu, 18 Apr 2002 23:31:23 -0600
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-75160-2002.04.19-01.07.09--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

At 09:26 AM 4/18/02 +0000, you wrote:
>....the Tiny Trak and the Tiger Trak units?

Any Kantronics TNC with 8.2 or newer firmware can be used as a tracker.
John Hansen's KISS mode TNC works as a tracker.

Any TNC that supports KISS mode can be used with most APRS software. If you
have a sound card most if not all of the windows clients can support the
AGW packet engine. (basically that's a sound card based TNC)

PIC-E, MIM etc. work too.

I'm not sure that really answered your question. What are you looking for?

Bill

---
You are currently subscribed to aprssig as: lyris.aprssig@tapr.org
To unsubscribe send a blank email to leave-aprssig-842K@lists.tapr.org
Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

---

576. [aprssig] Stand Alone Decoders et;al

From: "Josh Gould" <kc8eqa@columbus.rr.com>
Date: Fri, 19 Apr 2002 02:12:14 -0400
To: "'TAPR APRS Special Interest Group'" <aprssig@lists.tapr.org>
Message-ID: <LYR842-75161-2002.04.19-01.46.13--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

I came up with a theroy. If we have stand alone Encoders such as the
TinyTrakII, Why can't we have Stand alone decoder to attach to a radio
or scanner to decode the APRS packets without buying a TNC. If they are
out there, does any one know where I could get one?

Also When I check my position on findu, It shows where I was 5 days
ago, even though my D700 has sent new packets. I also have WinAPRS
running on my machine in TCP/IP mode and I can not see my car on the
map. Where should I start checking. I don't recall changing any thing
in the radio.

73's
Josh
KC8EQA
EN80KA

---

You are currently subscribed to aprssig as: lyris.aprssig@tapr.org
To unsubscribe send a blank email to leave-aprssig-842K@lists.tapr.org
Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

577. [aprssig] Hamfest Season

From: KC7ZRU - Tate <kc7zru@arrl.net>
Date: Fri, 19 Apr 2002 00:17:15 -0600
To: APRS - TAPR Special Interest Group <aprssig@lists.tapr.org>
Message-ID: <LYR842-75162-2002.04.19-01.51.23--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Is here again!

APRS presentations will soon be asked for. In fact I've got one of my
own to do.

Has anyone put together anything new? Any really effective and/or
success stories? Any horror stories to learn from?

Hand outs? Visuals, examples? Common questions? Areas missed?

What's worked? What hasen't?

Time to start a 'presentations project' at sourceforge?

73

```
--
              Casper, WY    |    CARC Repeater
                DN62tt      |      146.940
        "The Dungeon" online at http://go.to/kc7zru
            "RTFM" is NOT a 'four letter' word!
```

You are currently subscribed to aprssig as: lyris.aprssig@tapr.org
To unsubscribe send a blank email to leave-aprssig-842K@lists.tapr.org
Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

578. [aprssig] Re: Stand Alone Decoders et;al

From: WA8LMF2@aol.com
Date: Fri, 19 Apr 2002 03:11:34 EDT
To: aprssig@lists.tapr.org
Message-ID: <LYR842-75168-2002.04.19-02.45.45--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

In a message dated 4/18/02 11:14:13 PM Pacific Daylight Time,
kc8eqa@columbus.rr.com writes:

> Why can't we have Stand alone decoder to attach to a radio
> or scanner to decode the APRS packets without buying a TNC. If they are
> out there, does any one know where I could get one?
>

DO this in software with the AGW packet engine which turns your sound card
into a TNC. Just feed your RX audio into the line input of the sound card.
More info at:
   http://www.qsl.net/soundcardpacket

```
Stephen H. Smith                  wa8lmf @ aol.com
Home Page:
http://members.aol.com/wa8lmf
Ham Radio/Mobile SSTV page:     http://members.aol.com/wa8lmf/ham
APRS Stuff
http://members.aol.com/wa8lmf/aprs
------------------------------------------------------------------------------

----------
|    Radio Communications Systems       Personal Computers
|                Consulting and Systems Integration
|    GPS Custom Mapping    &     Radio Coverage Surveys
|    File Conversions       MS-Windows Setups       VISCII Fonts
------------------------------------------------------------------------------

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```

You are currently subscribed to aprssig as: lyris.aprssig@tapr.org
To unsubscribe send a blank email to leave-aprssig-842K@lists.tapr.org
Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

579. Your confirmation is needed (ok 842)

```
From: Lyris <unsubscribe-confirm@lists.tapr.org>
Date: Fri, 19 Apr 2002 03:14:12 -0600
To: lyris.aprssig@tapr.org
Message-ID: <LYR842-75173-2002.04.19-03.14.12--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain
```

```
Your email address 'lyris.aprssig@tapr.org' has been submitted to be
unsubscribed from the 'aprssig' mailing list.

This unsubscribe command requires your confirmation that you want to be
unsubscribed.

To confirm that you do want to unsubscribe, reply to this message so that
the words "ok 842" appear somewhere on the subject line.

Make sure that your reply message is addressed to
unsubscribe-confirm@lists.tapr.org

You will receive notification that your confirmation has been received, and
that you have been unsubscribed.

If you do not want to unsubscribe, do nothing.  You will be kept on the
mailing list.

---

Return-Path: <grind@grindspalace.com>
Received: from puffin.mail.pas.earthlink.net ([207.217.120.139]) by lists.tapr.org with SMTP (Lyris
Server version 3.0); Fri, 19 Apr 2002 03:14:02 -0600
Received: from adsl-63-202-232-159.dsl.sndg02.pacbell.net ([63.202.232.159] helo=smtpauth.earthlink.net)
        by puffin.mail.pas.earthlink.net with asmtp (Exim 3.33 #1)
        id 16ySzx-0004YX-00
        for leave-aprssig-842k@lists.tapr.org; Fri, 19 Apr 2002 00:40:01 -0700
Message-Id: <1019202004.395@earthlink.net>
Date: Fri, 19 Apr 2002 00:40:04 -0700
To: aprssig-request
From: "Michael Roberts" <grind@grindspalace.com>
Subject:
MIME-Version: 1.0
Content-Type: text/html; charset="iso-8859-1"; format=flowed
X-ELNK-Trace: 53347e0a10634305d780f4a490ca69564776905774d2ac4b8ce94361a55e43f300d1d79c2e54bb4f350badd9ba
b72f9c350badd9bab72f9c350badd9bab72f9c

# Mail sent to leave-aprssig-842k was converted to these commands:
unsubscribe aprssig lyris.aprssig@tapr.org confirm
end

# This is the text of the message that triggered the action:

Return-Path: <grind@grindspalace.com>
Received: from puffin.mail.pas.earthlink.net ([207.217.120.139]) by lists.tapr.org with SMTP (Lyris
Server version 3.0); Fri, 19 Apr 2002 03:14:02 -0600
Received: from adsl-63-202-232-159.dsl.sndg02.pacbell.net ([63.202.232.159] helo=smtpauth.earthlink.net)
        by puffin.mail.pas.earthlink.net with asmtp (Exim 3.33 #1)
        id 16ySzx-0004YX-00
        for leave-aprssig-842k@lists.tapr.org; Fri, 19 Apr 2002 00:40:01 -0700
Message-Id: <1019202004.395@earthlink.net>
Date: Fri, 19 Apr 2002 00:40:04 -0700
To: leave-aprssig-842k@lists.tapr.org
From: "Michael Roberts" <grind@grindspalace.com>
Subject: Come join the fun and we could give you up to $75 FREE!!!
MIME-Version: 1.0
Content-Type: text/html; charset="iso-8859-1"; format=flowed
X-ELNK-Trace: 53347e0a10634305d780f4a490ca69564776905774d2ac4b8ce94361a55e43f300d1d79c2e54bb4f350badd9ba
b72f9c350badd9bab72f9c350badd9bab72f9c

<body bgcolor="#FFFFFF" text="#000000"
background="http://www.grindspalace.com/images/back.JPG">
<table width="482" border="0" cellpadding="0" cellspacing="0">
  <tr>
    <td width="396" height="108" valign="top"><img
src="http://www.grindspalace.com/images/newshead.gif" width="396"
height="108"></td>
    <td width="86"></td>
  </tr>
  <tr>
    <td colspan="2" height="322" valign="top">
```

```
      <p><b><font size="6"><i><font color="#006699">The Slots Are
Hot!</font></i></font></b><br>
        <b>This weekend there is over <font size="4">$15,000.00</font> (usd)
up
        for grabs! </b> </p>
      <p><font face="Times New Roman, Times, serif" size="3"><b><font
color="#006699">Grinds
        Palace Casino</font></b> has now teamed up with <b><font
color="#006699">GamblingFederation.com</font></b>
        to bring you the best ever casino content!!! Come and see our new
look
        and games and well give you up to $75!!! With more than 60 games and
a
        jackpot of over $50,000 you would be crazy not to come and check it
out...
        Play for money or play for free!!!</font></p>
      <p>So <a href="http://www.grindspalace.com"><b><font
color="#006699">CLICK
        HERE</font></b></a> or goto http://www.grindspalace.com to find out
how
        you could be on your way to your dreams!!!</p>
      <p>-</p>
      <p><b>Get in line to WIN!</b><br>
        If you don't have an account, open one now and enter our $15,000.00
contest!
        A share of the prize could be yours!</p>
      <p>Call for 24-hour toll-free support<br>
        USA: 1-866-407-6455<br>
        E-mail Support at: support@gamblingfederation.com</p>
      <p>-</p>
      <p><b><font size="2">Privacy Policy:<br>
        We are committed to protecting your privacy. We do not sell, trade
or
        rent your personal information to others.</font></b></p>
      <p><b><font size="2">Terms &amp; Conditions:<br>
        Players must purchase and wager the specified amount within the
promotional
        period to qualify.<br>
        To qualify, players must play on any of the progressive slot
machines.<br>
        This offer excludes duplicate accounts.<br>
        The judge's decision is final.</font></b><br>
      </p>
    </td>
  </tr>
</table>
</body>
```

---

580. [aprssig] RE: Stand Alone Decoders et;al

From: "Glen Tubbesing" <n7got@earthlink.net>
Date: Fri, 19 Apr 2002 00:42:09 -0700
To: "'TAPR APRS Special Interest Group'" <aprssig@lists.tapr.org>
Message-ID: <LYR842-75176-2002.04.19-03.16.28--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

There is a stand alone Decoder available... 2 of them, actually. They
are TH-D7A(G) and TM-D700A.

73,
Glen Tubbesing
N7GOT
Las Vegas, NV

-----Original Message-----
From: bounce-aprssig-28446@lists.tapr.org
[mailto:bounce-aprssig-28446@lists.tapr.org] On Behalf Of Josh Gould
Sent: Thursday, April 18, 2002 11:12 PM
To: 'TAPR APRS Special Interest Group'
Subject: [aprssig] Stand Alone Decoders et;al

I came up with a theroy. If we have stand alone Encoders such as the
TinyTrakII, Why can't we have Stand alone decoder to attach to a radio
or scanner to decode the APRS packets without buying a TNC. If they are
out there, does any one know where I could get one?

Also When I check my position on findu, It shows where I was 5 days
ago, even though my D700 has sent new packets. I also have WinAPRS

running on my machine in TCP/IP mode and I can not see my car on the
map. Where should I start checking. I don't recall changing any thing
in the radio.

73's
Josh
KC8EQA
EN80KA

You are currently subscribed to aprssig as: n7got@earthlink.net
To unsubscribe send a blank email to leave-aprssig-842K@lists.tapr.org
Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

---

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581. [aprssig] RE: Stand Alone Decoders et;al

From: "Josh Gould" <kc8eqa@columbus.rr.com>
Date: Fri, 19 Apr 2002 04:30:39 -0400
To: "'TAPR APRS Special Interest Group'" <aprssig@lists.tapr.org>
Message-ID: <LYR842-75184-2002.04.19-04.04.35--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

I was thinking more along the lines of a computer. I own a D-700 and
it's in the car.

73's
Josh
KC8EQA
EN80KA

-----Original Message-----
From: bounce-aprssig-28041@lists.tapr.org
[mailto:bounce-aprssig-28041@lists.tapr.org] On Behalf Of Glen Tubbesing
Sent: Friday, April 19, 2002 3:42 AM
To: 'TAPR APRS Special Interest Group'
Subject: [aprssig] RE: Stand Alone Decoders et;al

There is a stand alone Decoder available... 2 of them, actually. They
are TH-D7A(G) and TM-D700A.

73,
Glen Tubbesing
N7GOT
Las Vegas, NV

-----Original Message-----
From: bounce-aprssig-28446@lists.tapr.org
[mailto:bounce-aprssig-28446@lists.tapr.org] On Behalf Of Josh Gould
Sent: Thursday, April 18, 2002 11:12 PM
To: 'TAPR APRS Special Interest Group'
Subject: [aprssig] Stand Alone Decoders et;al

I came up with a theroy. If we have stand alone Encoders such as the
TinyTrakII, Why can't we have Stand alone decoder to attach to a radio
or scanner to decode the APRS packets without buying a TNC. If they are
out there, does any one know where I could get one?

Also When I check my position on findu, It shows where I was 5 days
ago, even though my D700 has sent new packets. I also have WinAPRS
running on my machine in TCP/IP mode and I can not see my car on the
map. Where should I start checking. I don't recall changing any thing
in the radio.

73's
Josh

KC8EQA
EN80KA

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---
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To unsubscribe send a blank email to leave-aprssig-842K@lists.tapr.org
Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

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Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

582. [aprssig] SK: Thor Heyerdahl

From: Mark Fellhauer <sparkfel@qwest.net>
Date: Fri, 19 Apr 2002 04:00:34 -0500
To: aprssig@tapr.org
Message-ID: <LYR842-75185-2002.04.19-04.35.48--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

October 6, 1914 - April 18, 2002

http://oak.cats.ohiou.edu/~postr/bapix/NC173.htm

Regards,

Mark
KC7BXS

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To unsubscribe send a blank email to leave-aprssig-842K@lists.tapr.org
Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

583. [aprssig] WxSrv

From: "Josh Gould" <kc8eqa@columbus.rr.com>
Date: Fri, 19 Apr 2002 07:00:06 -0400
To: "'TAPR APRS Special Interest Group'" <aprssig@lists.tapr.org>
Message-ID: <LYR842-75186-2002.04.19-06.34.14--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

All,

I have a question. I printed off the e-mail regarding the weather server. How do I intergrate this into WinAPRS. I have version 2.4.6. I would like this as I have it up always running on TCP/IP. Any help would be useful.

73's
Josh
KC8EQA
EN80KA

```
---
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```

584. [aprssig] MFJ Data Radio

From: James Smith <k9apr@tawg.org>
Date: Fri, 19 Apr 2002 07:49:36 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-75187-2002.04.19-08.23.57--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

```
Does anyone on the list know where I can obtain a crystal for a MFJ Data
Radio at?

Any help would be appreciated.

--
73, James, K9APR
Chairman\Coordinator
Tri-State APRS Working Group
http://www.tawg.org
mailto:k9apr@tawg.org
Run a APRS Site? Why not join the APRS Webring
http://www.tawg.org/join.htm



---
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```

585. [aprssig] Re: MFJ Data Radio

From: Kurt Johnson <parrots@swbell.net>
Date: Fri, 19 Apr 2002 07:52:03 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-75188-2002.04.19-08.38.08--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

```
Jan Xtal 1-800-JAN-XTAL , Or Bomar, International Crystal in Ok City Also,
check with MFJ they have packet and aprs freq. xtals
Kurt K5ZZT

James Smith wrote:

> Does anyone on the list know where I can obtain a crystal for a MFJ Data
> Radio at?
>
> Any help would be appreciated.
>
> --
> 73, James, K9APR
> Chairman\Coordinator
> Tri-State APRS Working Group
> http://www.tawg.org
> mailto:k9apr@tawg.org
> Run a APRS Site? Why not join the APRS Webring
> http://www.tawg.org/join.htm
>
> ---
> You are currently subscribed to aprssig as: parrots@swbell.net
> To unsubscribe send a blank email to leave-aprssig-842K@lists.tapr.org
> Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org



---
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Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org
```

586. [aprssig] Re: MFJ Data Radio

From: Robbie Robertson <mwrobertson@attbi.com>
Date: Fri, 19 Apr 2002 08:07:16 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-75189-2002.04.19-08.40.32--lyris.aprssig#tapr.org@lists.tapr.org>

Rendered body type: text/plain

```
Hi James,

Jan Crystals in Florida come to mind, but don't MFJ offer
crystals for their radio?

Sometimes you may need to supply info on the specs of the
crystal as well as the frequency you want. In some cases you
can send them the crystal you have, and they will know how
to cut the new crystal to the new frequency..  Good luck

Robbie

James Smith wrote:
>
> Does anyone on the list know where I can obtain a crystal for a MFJ Data
> Radio at?
>
> Any help would be appreciated.
>
> --
> 73, James, K9APR
> Chairman\Coordinator
> Tri-State APRS Working Group
> http://www.tawg.org
> mailto:k9apr@tawg.org
> Run a APRS Site? Why not join the APRS Webring
> http://www.tawg.org/join.htm
>
> ---
> You are currently subscribed to aprssig as: mwrobertson@attbi.com
> To unsubscribe send a blank email to leave-aprssig-842K@lists.tapr.org
> Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

--

- Robbie Robertson -
...-.- wa9inf ...-.-

---
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```

---

587. [aprssig] REF: SIG Replies

From: wa4tkg@attbi.com
Date: Fri, 19 Apr 2002 13:14:51 +0000
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-75190-2002.04.19-08.48.57--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

```
If it seems as though it's functioning different then it
WAS, maybe it got CORRUPTED.
I am also running 4.78, and my ADDRESS BOOK will NOT
function. If I click on someone's return link, you're
supposed to get a pop up that allows you to put them
directly into the address book...it WON'T WORK.
However many times I try, nothing ever shows up in the
address book, however I changed USERS, and checked out my
WIFE'S address book, and HERS' appears to be functioning
properly....this spells CORRUPTION to me.
Don't bet any money on it, but that's MY guess.
Time to upgrade to Netscape 6?; the newest one is 6.2.2
....supposed to be some GREAT, "New & Improved" version.
"So what were we using before?; OLD & lousey " ?
> I'm running Netscape 4.78.  On all emails other than from the SIG, if I
> hit REPLY ALL, it puts in the address that was in the FROM: and the
> addresses that were in the TO:.  When I REPLY ALL to SIG emails, it only
> puts in the REPLY TO: address.  Before the change, REPLY ALL put both
> FROM: and TO: addresses.  Anybody know why Netscape seems to behave
> different to the SIG than to other email?  Is it the REPLY TO:?
> Anybody know of any Netscape tweaks?
>
> I like the REPLY going to the SIG, but it would be nice if REPLY ALL
> went to both originator and the sig.  Not that I would want to send it
> to both addresses, but it's easy to delete the SIG leaving just the
> originator in the rare case that I reply direct to the originator.
>
> Skip
> K9SA
>

---
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Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org
```

---

588. [aprssig] REF:MFJ-1276 TNC

From: wa4tkg@attbi.com
Date: Fri, 19 Apr 2002 13:19:52 +0000
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-75191-2002.04.19-08.53.56--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

```
I run a 1270C.  From what I understand, you can basically
use ANYTHING, ANY tnc that functions properly should work
fine. What you CAN'T use it for (the 1276) is to make a
"stand alone" DIGIpeater out of it, WHY?; I couldn't tell
you.. It should work just fine to operate regular APRS.
(from what I have heard)
You MAY not be able to wire up a GPS to it, but if you're
running a home station; you don't NEED one. (I've NEVER
had, and still don't have, a GPS unit)
(Maybe I should STOP OPERATING until I BUY ONE!
Daaaaaaaah)
> Will a MFJ-1276 TNC work for APRS? A friend of mine has one and wants to
> set up a home station.

---
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Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org
```

---

589. [aprssig] Re: MFJ Data Radio

From: "Ronald Reams" <wa4mjf@worldnet.att.net>
Date: Fri, 19 Apr 2002 09:43:56 -0400
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-75195-2002.04.19-09.17.20--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

```
I got mine from JAN when we changed APRS two meter
frequencies a few moons ago.

I would expect that any xtal maker could do it.
International and Bomar come to mind.

73 de Ronnie

----- Original Message -----
From: "James Smith" <k9apr@tawg.org>
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Sent: Friday, April 19, 2002 08:49
Subject: [aprssig] MFJ Data Radio


Does anyone on the list know where I can obtain a crystal for a MFJ Data
Radio at?

Any help would be appreciated.

--
73, James, K9APR
Chairman\Coordinator
Tri-State APRS Working Group
http://www.tawg.org
mailto:k9apr@tawg.org
Run a APRS Site? Why not join the APRS Webring
http://www.tawg.org/join.htm





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```

590. [aprssig] need mic pinout TM732

From: "Bob & Janet" <jbcraft@adelphia.net>
Date: Fri, 19 Apr 2002 09:55:07 -0400
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-75197-2002.04.19-09.30.28--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

I don't know how I got into the middl of this, but a VK4 found my name and has emailed me on the pin out of a Kenwood TM732 mic connector. I sent him to www.packetradio.com but was confused.

Does someone have the pin out handy so that I can help this poor old guy out.

73
Bob K8YS

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---

591. [aprssig] Re: Help with Eudora after obtuse TAPR lists change

From: "Jeff King" <transit_man@hotmail.com>
Date: Fri, 19 Apr 2002 14:06:06 +0000
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-75198-2002.04.19-09.40.15--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Mark Fellhauer <sparkfel@qwest.net> wrote:

>IMHO, someone who is FOR this change should assemble a walk-through for the
>top 10 email clients so that people can fix what wasn't broken
>before.

Lotsa laughs on that one. Your asking fellows who want to break the SIG because they don't understand how mailers are supposed to work to write a technical document explaining it. This was tongue in cheek, right?

I think you'd have more luck asking for a paper justifying taking cuts in line at the airport. At least the premise is honest.

-Jeff

____
Join the world�s largest e-mail service with MSN Hotmail.
http://www.hotmail.com

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Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

---

592. [aprssig] APRS SIG

From: "Ken Wolfe" <k3qv@hotmail.com>
Date: Fri, 19 Apr 2002 10:11:37 -0400
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-75199-2002.04.19-09.41.39--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

I kinda thought this was an APRS SIG......
I got 50 messages ....ALL are regarding something OTHER than APRS.

Ken K3QV

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---

593. [aprssig] How to Reply in Microsoft Entourage/Outlook Express Mac

From: "Dennis Hudson, N2LBT" <n2lbt@n2lbt.com>
Date: Fri, 19 Apr 2002 10:22:57 -0400
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-75201-2002.04.19-09.57.11--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

```
There are three menu options for replying in the default configuration of
the current versions Microsoft Entourage and Outlook Express for Macintosh,
tested on both OS 9 and OS X.

Reply - Goes to sig
Reply to All - Goes to sig
Reply to Sender - Goes to the last author in thread

All three quote the last author in the thread

Dennis, N2LBT


---
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Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org
```

---

594. [aprssig] Re: need mic pinout TM732

From: n7uwx@attbi.com
Date: Fri, 19 Apr 2002 14:23:32 +0000
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-75203-2002.04.19-09.57.45--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

```
You could try this file at Kenwoods site.
http://216.133.82.101/Amateur/Connectors/Connectors.pdf
Lists all the Kenwood connectors and there pinouts

Tyler
N7UWX
> I don't know how I got into the middl of this, but a VK4 found my name and
> has emailed me on the pin out of a Kenwood TM732 mic connector. I sent him
> to www.packetradio.com but was confused.
>
> Does someone have the pin out handy so that I can help this poor old guy
> out.
>
> 73
> Bob K8YS
>
>
> ---
> You are currently subscribed to aprssig as: n7uwx@attbi.com
> To unsubscribe send a blank email to leave-aprssig-842K@lists.tapr.org
> Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org
>

---
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Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org
```

---

595. [aprssig] Re: APRS SIG

From: "Ronald Reams" <wa4mjf@worldnet.att.net>
Date: Fri, 19 Apr 2002 10:26:05 -0400
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-75204-2002.04.19-10.00.13--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

```
Well, Ken, that how things are sometimes.

You gotta go with the flow or be a "victim".
Unfortunately, there seem to be more "victims" nowadays.

73 de Ronnie


----- Original Message -----
From: "Ken Wolfe" <k3qv@hotmail.com>
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Sent: Friday, April 19, 2002 10:11
Subject: [aprssig] APRS SIG
```

I kinda thought this was an APRS SIG......
I got 50 messages ....ALL are regarding something OTHER than APRS.

Ken K3QV

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596. [aprssig] Re: How to Reply in Microsoft Entourage/Outlook Express Mac

From: "Mike Yetsko" <myetsko@insydesw.com>
Date: Fri, 19 Apr 2002 10:34:47 -0400
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-75205-2002.04.19-10.09.00--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Hmm, the MAC version must be different. I'm using Outlook Express
6.00.2600 on Windows 98Se and there are only TWO options.

"Reply" and "Reply All"

Both of which ONLY reply to the 'list', NEVER to the 'sender'. In
fact, the ONLY way I can get a 'sender' address it to reply to the list,
then 'cut and paste' the address from the body where the sender shows
up and to the "To:" field, and then manually delete the list entry.

A lot of steps to do something that's just so much simpler to let the
list read. What with all the original discussion centering on how to
make
it EASIER to reply privately to keep personal replys off the list, the
current state of affairs seems to be a giant step backwards.

Well, it's been fixed till it broke. At least, from my point of view.

Mike

----- Original Message -----
From: "Dennis Hudson, N2LBT" <n2lbt@n2lbt.com>

> There are three menu options for replying in the default configuration
of
> the current versions Microsoft Entourage and Outlook Express for
Macintosh,
> tested on both OS 9 and OS X.
>
> Reply - Goes to sig
> Reply to All - Goes to sig
> Reply to Sender - Goes to the last author in thread
>
> All three quote the last author in the thread
>
> Dennis, N2LBT

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Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

597. [aprssig] Re: ADMIN: Settings Tweaked

From: "hasan schiers" <schiers@netins.net>
Date: Fri, 19 Apr 2002 09:35:35 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-75206-2002.04.19-10.12.45--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Using Outlook Express 5, when I Reply, it goes to the list. When I "Reply
All" it sends two copies to the list and none to the originator.

Prior to the swtich:

Reply went to the sender.
Reply All sent one to the sender and one to the list.

I thought the "change" was basically going to do nothing more than reverse the priorities so that Reply went to the List and Reply All would still go to the List plus the Originator.

That's obviously not what's happening and I think the swich "broke" something.

I'll try the same thing from home tonight and see if Outlook Express 6.x does the same thing.

(I have changed nothing in my mailer configuration...and don't intend to, because nearly all the other lists I participate in work just ducky in one form or another.

I've just checked the following lists and it shows most work "correctly".:

List	Reply Goes To	Reply All Goes To
Amsat	Individual	Ind + List
Mixw	List	List + Ind
TowerTalk	Individual	Ind + List
Trx-Manager	List	List + List (acts just like aprssig since it was "fixed")
Sarex	Individual	Ind + List
IRLP	Individual	Ind + List

This suggests to me that the aprssig et al are configured improperly, since the switch.

Hope this helps someone figure it out....but it ain't a mailer problem, it's the listserver configuration, or the other mailing lists would show the same problem and they don't, with the notable exception of TRX which I contend, is also misconfigured.

73,

...hasan, N0AN

----- Original Message -----
From: "Mike Yetsko" <myetsko@insydesw.com>
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>; "aprssig" <aprssig@tapr.org>
Sent: Thursday, April 18, 2002 8:21 PM
Subject: [aprssig] Re: ADMIN: Settings Tweaked

> Stan,
>
> Now when I 'reply' the To: field is JUST to TAPR. But when I 'reply all
> the To: field is both TAPR and APRSSIG. Only I'm not part of APRSSIG
> and it won't let be post
>
> ----- Original Message -----
> From: "Stan Horzepa" <stanzepa@earthlink.net>
> To: "aprssig" <aprssig@tapr.org>
> Sent: Thursday, April 18, 2002 6:57 PM
> Subject: [aprssig] ADMIN: Settings Tweaked
>
>
> > At about 5 PM EDST, I tweaked the settings of the APRSSIG. Please email
> me
> > directly (stanzepa@earthlink.net) with your comments regarding these
> changes
> > so that we don't tie up the SIG.
> >
> > Thanks in advance for your patience,
> >
> > Stan, WA1LOU, APRSSIG administrator
> >
> >
> > ---
> > You are currently subscribed to aprssig as: myetsko@insydesw.com
> > To unsubscribe send a blank email to leave-aprssig-842K@lists.tapr.org

> > Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org
> >
> >
>
>
> ---
> You are currently subscribed to aprssig as: schiers@netins.net
> To unsubscribe send a blank email to leave-aprssig-842K@lists.tapr.org
> Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org
>
>

You are currently subscribed to aprssig as: lyris.aprssig@tapr.org
To unsubscribe send a blank email to leave-aprssig-842K@lists.tapr.org
Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

598. [aprssig] Re: APRS SIG <AND- ON TOPIC QUESTION!!!!!!>

From: Ken Cechura <kcechura@umr.edu>
Date: Fri, 19 Apr 2002 09:40:43 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-75207-2002.04.19-10.15.11--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

mostly about peoples misbehaving email clients, and possible changes to the
sig?

and... to make it on topic:
I have an (old) PK232, can it act as a digi WITHOUT changing firmware? (I
have a KPC9612 sitting next to it, but the cable is already built for the
232) also, does anyone have maybe a "recommended settings" list for the
'9612 acting as a digi? something like this might be nice to put together,
for those of us who don't know a whole lot, but would like to put up a digi
where one is needed, so we can learn some <g>

again, if i can learn all this stuff, and get the cable built, there should
be a new digi popping up here in Rolla.

Thanks
Ken

KC0CZI- can you contact me off-list so i can maybe ask you some dumb
questions when i get this thing set up?

At 10:11 AM 4/19/2002 -0400, you wrote:
>I kinda thought this was an APRS SIG......
>I got 50 messages ....ALL are regarding something OTHER than APRS.
>
>Ken K3QV
>
>
>
>
>---
>You are currently subscribed to aprssig as: kcechura@umr.edu
>To unsubscribe send a blank email to leave-aprssig-842K@lists.tapr.org
>Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

```
      //////////////////////////////////////////////////////
     //        Kenneth R. Cechura, KC9UMR                //
    //             kcechura@umr.edu                     //
   //           President, W0EEE, 2002                 //
  // University of Missouri-Rolla Amateur Radio Club  //
//////////////////////////////////////////////////////
```

You are currently subscribed to aprssig as: lyris.aprssig@tapr.org
To unsubscribe send a blank email to leave-aprssig-842K@lists.tapr.org
Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

599. [aprssig] Re: APRS SIG

From: "Richard Amirault" <ramirault@erols.com>
Date: Fri, 19 Apr 2002 10:40:59 -0400
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-75208-2002.04.19-10.16.30--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

```
If you can't talk about the SIG on the SIG .. where can you talk about it?

Richard Amirault                           N1JDU                 Boston,
MA, USA
ramirault@erols.com              "Go Fly A Kite"
http:// www.erols.com/ramirault
----- Original Message -----
From: "Ken Wolfe" <k3qv@hotmail.com>
Subject: [aprssig] APRS SIG


> I kinda thought this was an APRS SIG......
> I got 50 messages ....ALL are regarding something OTHER than APRS.


---
You are currently subscribed to aprssig as: lyris.aprssig@tapr.org
To unsubscribe send a blank email to leave-aprssig-842K@lists.tapr.org
Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org
```

600. [aprssig] Re: need mic pinout TM732

From: <smorris@mindspring.com>
Date: Fri, 19 Apr 2002 10:43:23 -0400
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-75209-2002.04.19-10.17.50--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

```
Here is a diagram of all the connectors, and the TM732 is on the list.

http://216.133.82.101/Amateur/Connectors/Connectors.pdf

Scott



On Fri, 19 Apr 2002 09:55:07 -0400 Bob & Janet <jbcraft@adelphia.net> wrote:

I don't know how I got into the middl of this, but a VK4 found my name and
has emailed me on the pin out of a Kenwood TM732 mic connector. I sent him
to www.packetradio.com but was confused.

Does someone have the pin out handy so that I can help this poor old guy
out.

73
Bob K8YS


---
You are currently subscribed to aprssig as: smorris@mindspring.com
To unsubscribe send a blank email to leave-aprssig-842K@lists.tapr.org
Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org


---
You are currently subscribed to aprssig as: lyris.aprssig@tapr.org
To unsubscribe send a blank email to leave-aprssig-842K@lists.tapr.org
Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org
```

601. [aprssig] Re: How to Reply in Microsoft Entourage/Outlook Express Mac

From: "Ronald Reams" <wa4mjf@worldnet.att.net>
Date: Fri, 19 Apr 2002 10:47:00 -0400
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: <myetsko@insydesw.com>
Message-ID: <LYR842-75211-2002.04.19-10.22.10--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

```
I don't know about all this cuttin' and pastin' stuff,
but I use OE and I am able to type your address in
the Cc: line.

Mine is 5.50 with Service Pack 2.  Maybe there is
a difference in Version 6.
```

73 de Ronnie

----- Original Message -----
From: "Mike Yetsko" <myetsko@insydesw.com>
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Sent: Friday, April 19, 2002 10:34
Subject: [aprssig] Re: How to Reply in Microsoft Entourage/Outlook Express Mac

Hmm, the MAC version must be different. I'm using Outlook Express 6.00.2600 on Windows 98Se and there are only TWO options.

"Reply" and "Reply All"

Both of which ONLY reply to the 'list', NEVER to the 'sender'. In fact, the ONLY way I can get a 'sender' address it to reply to the list, then 'cut and paste' the address from the body where the sender shows up and to the "To:" field, and then manually delete the list entry.

A lot of steps to do something that's just so much simpler to let the list read. What with all the original discussion centering on how to make
it EASIER to reply privately to keep personal replys off the list, the current state of affairs seems to be a giant step backwards.

Well, it's been fixed till it broke. At least, from my point of view.

Mike

----- Original Message -----
From: "Dennis Hudson, N2LBT" <n2lbt@n2lbt.com>

> There are three menu options for replying in the default configuration of
> the current versions Microsoft Entourage and Outlook Express for Macintosh,
> tested on both OS 9 and OS X.
>
> Reply - Goes to sig
> Reply to All - Goes to sig
> Reply to Sender - Goes to the last author in thread
>
> All three quote the last author in the thread
>
> Dennis, N2LBT

You are currently subscribed to aprssig as: lyris.aprssig@tapr.org
To unsubscribe send a blank email to leave-aprssig-842K@lists.tapr.org
Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

---

602. [aprssig] RE: Stand Alone Decoders et;al

From: "Andreas Junge - ATT" <n6nu@arrl.net>
Date: Fri, 19 Apr 2002 08:01:41 -0700
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-75215-2002.04.19-10.35.52--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

There also is the Hamhud II.

Check it out at : www.hamhud.net

Andreas, N6NU

> -----Original Message-----
> From: bounce-aprssig-23197@lists.tapr.org
> [mailto:bounce-aprssig-23197@lists.tapr.org]On Behalf Of Josh Gould
> Sent: Thursday, April 18, 2002 11:12 PM
> To: 'TAPR APRS Special Interest Group'
> Subject: [aprssig] Stand Alone Decoders et;al
>

>
>
> I came up with a theroy. If we have stand alone Encoders such as the
> TinyTrakII, Why can't we have Stand alone decoder to attach to a radio
> or scanner to decode the APRS packets without buying a TNC. If they are
> out there, does any one know where I could get one?
>
> Also When I check my position on findu, It shows where I was 5 days
> ago, even though my D700 has sent new packets. I also have WinAPRS
> running on my machine in TCP/IP mode and I can not see my car on the
> map. Where should I start checking. I don't recall changing any thing
> in the radio.
>
> 73's
> Josh
> KC8EQA
> EN80KA
>
>
>
>
>
> ---
> You are currently subscribed to aprssig as: n6nu@arrl.net
> To unsubscribe send a blank email to leave-aprssig-842K@lists.tapr.org
> Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org
>

You are currently subscribed to aprssig as: lyris.aprssig@tapr.org
To unsubscribe send a blank email to leave-aprssig-842K@lists.tapr.org
Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

603. [aprssig] RE: How to Reply in Microsoft Entourage/Outlook Express Mac

From: "Jesse" <jesse@kc5los.com>
Date: Fri, 19 Apr 2002 10:03:30 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-75216-2002.04.19-10.37.46--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Amazing how much I learn (yet already know since I know how to use
email) from this sig on using email.. and I thought this was a APRS SIG.
KISS at its best. Maybe one day when I grow up I can explain to my kids
how to read and send email! All I would have to do is pull up this
archieve (if its still around)

And the subject has been asked to be changed several times! Yet we still
have morons and incompetent people that just have no clue as to what
email is/does.

Just my 2 cents while I am in the process of unsubscribing due to the
Illiterate and incompetent idiots of this list that have no clue on how
their email works and tries to pass what they learned from their 4 year
old kids off to us.

-----Original Message-----
From: bounce-aprssig-25535@lists.tapr.org
[mailto:bounce-aprssig-25535@lists.tapr.org] On Behalf Of Dennis Hudson,
N2LBT
Sent: Friday, April 19, 2002 9:23 AM
To: TAPR APRS Special Interest Group
Subject: [aprssig] How to Reply in Microsoft Entourage/Outlook Express
Mac

There are three menu options for replying in the default configuration
of
the current versions Microsoft Entourage and Outlook Express for
Macintosh,
tested on both OS 9 and OS X.

Reply - Goes to sig
Reply to All - Goes to sig
Reply to Sender - Goes to the last author in thread

All three quote the last author in the thread

Dennis, N2LBT

You are currently subscribed to aprssig as: jesse@kc5los.com
To unsubscribe send a blank email to leave-aprssig-842K@lists.tapr.org
Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

---
You are currently subscribed to aprssig as: lyris.aprssig@tapr.org
To unsubscribe send a blank email to leave-aprssig-842K@lists.tapr.org
Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

---

604. [aprssig] Re: ADMIN: reply survey results

From: "hasan schiers" <schiers@netins.net>
Date: Fri, 19 Apr 2002 10:22:00 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-75222-2002.04.19-10.58.29--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

The problem is I thought I voted for something really simple:

Reply > List
Reply ALL > List + Individual

Harmless enough....however, what I got was:

Reply > List
Reply ALL > List + List

and no direct way to reply to an individual. This is NOT what I voted for. We were better off the way it originally was. Per my other posts, the vast majority of other mailing lists I subscribe to work like they should. It's not a mailer problem, it is a list configuration problem.

It's a bit strange to remember how this all started....now I wish it had never come up. It also isn't the end of the world. 99% of the time, I want to reply to the list anyway, but now it's not particularly convenient to reply "privately" anymore.

And NO, I don't think "progress has been made"....that's ludicrous, but funny in an ironic sort of way.

...hasan, N0AN

----- Original Message -----
From: "Alex" <kr1st@amsat.org>
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Sent: Thursday, April 18, 2002 12:58 PM
Subject: [aprssig] Re: ADMIN: reply survey results

> "Ramon F. Kolb" wrote:
> >
> > I think people should stop whining.... and
>
> and...as he continues his own whining process...
>
> > 2. If you voted against change and now there is change... you've been
> > outvoted. That's called progress.
>
> I think you're a bit confused here. You don't really think that progress
> has been made here in the past couple of days, now do you?
>

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To unsubscribe send a blank email to leave-aprssig-842K@lists.tapr.org
Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

---

605. [aprssig] Re: APRS SIG <AND- ON TOPIC QUESTION!!!!!!>

From: Matthew Stennett <WA4TKG@attbi.com>
Date: Fri, 19 Apr 2002 11:26:55 -0400
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-75223-2002.04.19-11.01.03--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

I'm not CERTAIN, but you MAY find that the cable
for the 232 is the SAME configuration for the KPC.

I have a PK-900, and it is the SAME as my MFJ.
(if you're as LUCKY as I; that is)

Ken Cechura wrote:

> mostly about peoples misbehaving email clients, and possible changes to the
> sig?
>
> and... to make it on topic:
> I have an (old) PK232, can it act as a digi WITHOUT changing firmware? (I
> have a KPC9612 sitting next to it, but the cable is already built for the
> 232) also, does anyone have maybe a "recommended settings" list for the
> '9612 acting as a digi? something like this might be nice to put together,
> for those of us who don't know a whole lot, but would like to put up a digi
> where one is needed, so we can learn some <g>

You are currently subscribed to aprssig as: lyris.aprssig@tapr.org
To unsubscribe send a blank email to leave-aprssig-842K@lists.tapr.org
Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

606. [aprssig] REF: APRS SIG

From: Matthew Stennett <WA4TKG@attbi.com>
Date: Fri, 19 Apr 2002 11:27:37 -0400
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-75224-2002.04.19-11.02.01--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

APRS ?; What's THAT ?

Ken Wolfe wrote:

> I kinda thought this was an APRS SIG......
> I got 50 messages ....ALL are regarding something OTHER than APRS.
>
> Ken K3QV

You are currently subscribed to aprssig as: lyris.aprssig@tapr.org
To unsubscribe send a blank email to leave-aprssig-842K@lists.tapr.org
Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

607. [aprssig] Re: APRS SIG <AND- ON TOPIC QUESTION!!!!!!>

From: Ken Cechura <kcechura@umr.edu>
Date: Fri, 19 Apr 2002 10:34:30 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-75226-2002.04.19-11.09.34--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

nope, different connector on the TNC.

At 11:26 AM 4/19/2002 -0400, you wrote:
>I'm not CERTAIN, but you MAY find that the cable
>for the 232 is the SAME configuration for the KPC.
>I have a PK-900, and it is the SAME as my MFJ.
>(if you're as LUCKY as I; that is)
>
>Ken Cechura wrote:
>
> > mostly about peoples misbehaving email clients, and possible changes to the
> > sig?
> >
> > and... to make it on topic:
> > I have an (old) PK232, can it act as a digi WITHOUT changing firmware? (I
> > have a KPC9612 sitting next to it, but the cable is already built for the
> > 232) also, does anyone have maybe a "recommended settings" list for the
> > '9612 acting as a digi? something like this might be nice to put together,
> > for those of us who don't know a whole lot, but would like to put up a digi
> > where one is needed, so we can learn some <g>
>
>
>---
>You are currently subscribed to aprssig as: kcechura@umr.edu
>To unsubscribe send a blank email to leave-aprssig-842K@lists.tapr.org
>Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

      //

```
     //        Kenneth R. Cechura, KC9UMR                //
    //             kcechura@umr.edu                     //
   //           President, W0EEE, 2002                 //
  // University of Missouri-Rolla Amateur Radio Club  //
//////////////////////////////////////////////////////
```

You are currently subscribed to aprssig as: lyris.aprssig@tapr.org
To unsubscribe send a blank email to leave-aprssig-842K@lists.tapr.org
Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

---

608. [aprssig] PCSAT Orbit Soon; Yipee!

From: wa4tkg@attbi.com
Date: Fri, 19 Apr 2002 15:36:23 +0000
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-75227-2002.04.19-11.12.00--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

According to my copy of"MacDoppler"; we're about due for
an orbit crossing SMACK (that was for you Earl; pass it to
that clod) in the middle of North America.
All you Mac fans need to go and download THIS one!
http://www.dogparksoftware.com
GO GET IT!; NOT available for Windoze' OS !; Sorry.

You are currently subscribed to aprssig as: lyris.aprssig@tapr.org
To unsubscribe send a blank email to leave-aprssig-842K@lists.tapr.org
Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

---

609. [aprssig] D700 in Jeep Cherokee

From: "Sadowski, Allan" <allan.sadowski@ncshp.org>
Date: Fri, 19 Apr 2002 11:48:55 -0400
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-75228-2002.04.19-11.13.07--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Anyone here done the above... how/where did they mount... and what kinds of
power and antenna arrangements did they do... I'd also like to hear of any
working GPS arrangement that uses a GARMIN GPS to display reported
positions...

TNX in advance

You are currently subscribed to aprssig as: lyris.aprssig@tapr.org
To unsubscribe send a blank email to leave-aprssig-842K@lists.tapr.org
Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

---

610. [aprssig] RE: How to Reply in Microsoft Entourage/Outlook Express Mac

From: Mark Fellhauer <sparkfel@qwest.net>
Date: Fri, 19 Apr 2002 10:49:59 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: jesse@kc5los.com
Message-ID: <LYR842-75231-2002.04.19-11.26.01--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

I'm not sure I understand what you're saying here. Are you calling Dennis
Hudson a moron? If you are, then you haven't comprehended what the
discussion is about. Dennis provided pertinant information that's helpful
to the SIG. BTW, Thank you, Dennis...

So now we know of two email clients that work with the changes post 4/17
(that being one button reply to sig with named quotes and no
deletes). Those being the above mentioned Microsoft Entourage/Outlook
Express for Mac and KMail for Linux.

Regards,

Mark
KC7BXS

At 10:03 AM 4/19/02, Jesse wrote:

```
>Just my 2 cents while I am in the process of unsubscribing due to the
>Illiterate and incompetent idiots of this list that have no clue on how
>their email works and tries to pass what they learned from their 4 year
>old kids off to us.
>
>-----Original Message-----
>From: bounce-aprssig-25535@lists.tapr.org
>[mailto:bounce-aprssig-25535@lists.tapr.org] On Behalf Of Dennis Hudson,
>N2LBT
>Sent: Friday, April 19, 2002 9:23 AM
>To: TAPR APRS Special Interest Group
>Subject: [aprssig] How to Reply in Microsoft Entourage/Outlook Express
>Mac
>
>There are three menu options for replying in the default configuration
>of
>the current versions Microsoft Entourage and Outlook Express for
>Macintosh,
>tested on both OS 9 and OS X.
>
>Reply - Goes to sig
>Reply to All - Goes to sig
>Reply to Sender - Goes to the last author in thread
>
>All three quote the last author in the thread
>
>Dennis, N2LBT



---
You are currently subscribed to aprssig as: lyris.aprssig@tapr.org
To unsubscribe send a blank email to leave-aprssig-842K@lists.tapr.org
Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org
```

---

611. [aprssig] Re: ADMIN: reply survey results

From: "Ronald Reams" <wa4mjf@worldnet.att.net>
Date: Fri, 19 Apr 2002 11:51:54 -0400
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-75232-2002.04.19-11.26.12--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

```
Now I'm just an appliance op when comes to
'puters, but when you tell OE to reply, it has
been my experience that it replies to from whom the
message came.

So, if the message came from the SIG, it will reply to the
SIG.

Now, those who are 'puter literate can probably tell you
why, but I just know that's what it does.  I do remember
bein' told a 'puter is just a stupid machine that does what
it's told, but mine does all sorts stuff on its own!

73 de Ronnie



----- Original Message -----
From: "hasan schiers" <schiers@netins.net>
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Sent: Friday, April 19, 2002 11:22
Subject: [aprssig] Re: ADMIN: reply survey results


The problem is I thought I voted for something really simple:

Reply > List
Reply ALL > List + Individual

Harmless enough....however, what I got was:

Reply > List
Reply ALL > List + List

and no direct way to reply to an individual. This is NOT what I voted for.
We were better off the way it originally was. Per my other posts, the vast
majority of other mailing lists I subscribe to work like they should. It's
```

not a mailer problem, it is a list configuration problem.

It's a bit strange to remember how this all started....now I wish it had never come up. It also isn't the end of the world. 99% of the time, I want to reply to the list anyway, but now it's not particularly convenient to reply "privately" anymore.

And NO, I don't think "progress has been made"....that's ludicrous, but funny in an ironic sort of way.

...hasan, N0AN

----- Original Message -----
From: "Alex" <kr1st@amsat.org>
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Sent: Thursday, April 18, 2002 12:58 PM
Subject: [aprssig] Re: ADMIN: reply survey results

> "Ramon F. Kolb" wrote:
> >
> > I think people should stop whining.... and
>
> and...as he continues his own whining process...
>
> > 2. If you voted against change and now there is change... you've been
> > outvoted. That's called progress.
>
> I think you're a bit confused here. You don't really think that progress
> has been made here in the past couple of days, now do you?
>

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Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

612. [aprssig] Re: How to Reply in Microsoft Entourage/Outlook Express Mac

From: "Ronald Reams" <wa4mjf@worldnet.att.net>
Date: Fri, 19 Apr 2002 11:54:50 -0400
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: "Mike Yetsko" <myetsko@insydesw.com>
Message-ID: <LYR842-75233-2002.04.19-11.28.53--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

It is between the To: and Subject: line.

----- Original Message -----
From: "Mike Yetsko" <myetsko@insydesw.com>
To: "Ronald Reams" <wa4mjf@worldnet.att.net>; "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Sent: Friday, April 19, 2002 10:55
Subject: Re: [aprssig] Re: How to Reply in Microsoft Entourage/Outlook Express Mac

Where did you get the line to type in? Sure, I can do that to, (type it in manually) but how many people are comfortable with that? It's one thing to type text. It's quite another to type a line of characters for
an
email address that is not generally recognized words or 'patterns'. In short, it's considerable effort. "Cut and Paste" is the easiest, and
there
it still requires MULTIPLE steps.

Besides, even IF you put up with typing an address (I thought computers were to make this easier!) you still have to remember to manually DELETE the list if you want it to be ONLY private.

Mike

----- Original Message -----
From: "Ronald Reams" <wa4mjf@worldnet.att.net>
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: <myetsko@insydesw.com>

```
Sent: Friday, April 19, 2002 10:47 AM
Subject: Re: [aprssig] Re: How to Reply in Microsoft Entourage/Outlook
Express Mac


> I don't know about all this cuttin' and pastin' stuff,
> but I use OE and I am able to type your address in
> the Cc: line.
>
> Mine is 5.50 with Service Pack 2.  Maybe there is
> a difference in Version 6.
>
> 73 de Ronnie
>
>
> ----- Original Message -----
> From: "Mike Yetsko" <myetsko@insydesw.com>
> To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
> Sent: Friday, April 19, 2002 10:34
> Subject: [aprssig] Re: How to Reply in Microsoft Entourage/Outlook
Express
> Mac
>
>
> Hmm, the MAC version must be different.  I'm using Outlook Express
> 6.00.2600 on Windows 98Se and there are only TWO options.
>
>         "Reply" and "Reply All"
>
> Both of which ONLY reply to the 'list', NEVER to the 'sender'.  In
> fact, the ONLY way I can get a 'sender' address it to reply to the list,
> then 'cut and paste' the address from the body where the sender shows
> up and to the "To:" field, and then manually delete the list entry.
>
> A lot of steps to do something that's just so much simpler to let the
> list read.   What with all the original discussion centering on how to
> make
> it EASIER to reply privately to keep personal replys off the list, the
> current state of affairs seems to be a giant step backwards.
>
> Well, it's been fixed till it broke.  At least, from my point of view.
>
> Mike
>
>
> ----- Original Message -----
> From: "Dennis Hudson, N2LBT" <n2lbt@n2lbt.com>
>
>
> > There are three menu options for replying in the default configuration
> of
> > the current versions Microsoft Entourage and Outlook Express for
> Macintosh,
> > tested on both OS 9 and OS X.
> >
> > Reply - Goes to sig
> > Reply to All - Goes to sig
> > Reply to Sender - Goes to the last author in thread
> >
> > All three quote the last author in the thread
> >
> > Dennis, N2LBT



---
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```

---

613. [aprssig] lightest aprs tracker

From: Michael Bass <mbass@amgen.com>
Date: Fri, 19 Apr 2002 09:10:56 -0700
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-75234-2002.04.19-11.45.07--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

```
Here's a question for the list:  What is the lightest aprs tracker
possible?
```

I've tried a couple of times to run APRS while bicycle mobile in
Southern California with limitted success. Most of the packets I get
back to my home station were ones that were direct (within about 2
miles of home). The system I'm using now is a Garmin GPS 3+,
TigerTrack TM-1, and a VX5R (5W). All of this equipment is located in
my jersey pockets -- the three pockets on the back of a cycling
jersey.

I realize it isn't a matter of simply finding the lightest equipment.
The other objective is to be heard. The terrain I ride through is a
challenge to both RF and rider: lots of canyons and mountains. I've
tried two different beacon paths, WIDE2-2 and RELAY,WIDE2-2 both with
equal success. (Remember in SoCal, the WIDEn-N nodes don't respond to
RELAY.) And having the HT in the jersey pocket probably means I'm
getting a good "body null" as DF-ers know.

Since I ride a road bike, installing a D700 and battery is out of the
question. If you have any thoughts, I'd love to hear them.

73 de Mike, N7WLC/6

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---

614. [aprssig] Re: lightest aprs tracker

From: Rick Edwards <threepalms@earthlink.net>
Date: Fri, 19 Apr 2002 09:23:06 -0700
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-75239-2002.04.19-11.58.04--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

I would think that the most important item would be an external antenna of
some sorts. You are probably getting nailed by your "body null".

I have seen pictures of hams using an antenna on their hat. Could one be
fitted on your helmet in some way?

Rick - K6TVI

Michael Bass wrote:

> Here's a question for the list: What is the lightest aprs tracker
> possible?
>
> I've tried a couple of times to run APRS while bicycle mobile in
> Southern California with limitted success. Most of the packets I get
> back to my home station were ones that were direct (within about 2
> miles of home). The system I'm using now is a Garmin GPS 3+,
> TigerTrack TM-1, and a VX5R (5W). All of this equipment is located in
> my jersey pockets -- the three pockets on the back of a cycling
> jersey.
>
> I realize it isn't a matter of simply finding the lightest equipment.
> The other objective is to be heard. The terrain I ride through is a
> challenge to both RF and rider: lots of canyons and mountains. I've
> tried two different beacon paths, WIDE2-2 and RELAY,WIDE2-2 both with
> equal success. (Remember in SoCal, the WIDEn-N nodes don't respond to
> RELAY.) And having the HT in the jersey pocket probably means I'm
> getting a good "body null" as DF-ers know.
>
> Since I ride a road bike, installing a D700 and battery is out of the
> question. If you have any thoughts, I'd love to hear them.
>
> 73 de Mike, N7WLC/6
>
> ---
> You are currently subscribed to aprssig as: threepalms@earthlink.net
> To unsubscribe send a blank email to leave-aprssig-842K@lists.tapr.org
> Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

---
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---

615. [aprssig] RE: How to Reply in Microsoft Entourage/Outlook Express Mac

From: "Mike Yetsko" <myetsko@insydesw.com>
Date: Fri, 19 Apr 2002 12:25:25 -0400
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: <jesse@kc5los.com>
Message-ID: <LYR842-75240-2002.04.19-11.59.29--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Hmmm.... Seems to me it's the idiots who always threaten to
unsubscribe whenever they get frustrated with the topic of
conversation.

Just my personal opinion and observation. Not that it would EVER
apply to you of course.

Mike

----- Original Message -----
From: "Jesse" <jesse@kc5los.com>

> Just my 2 cents while I am in the process of unsubscribing due to the
> Illiterate and incompetent idiots of this list that have no clue on how
> their email works and tries to pass what they learned from their 4 year
> old kids off to us.
>

---
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---

616. [aprssig] Re: How to Reply in Microsoft Entourage/Outlook Express Mac

From: "Mike Yetsko" <myetsko@insydesw.com>
Date: Fri, 19 Apr 2002 12:27:57 -0400
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-75242-2002.04.19-12.02.10--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

DUH... I meant that RHETORICALLY! I can see the address. I was
pointing out that it's NOT automatic.

Mike

----- Original Message -----
> From: "Ronald Reams" <wa4mjf@worldnet.att.net>
> >
> > It is between the To: and Subject: line.
> >

---
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---

617. [aprssig] Re: lightest aprs tracker

From: "Richard Amirault" <ramirault@erols.com>
Date: Fri, 19 Apr 2002 12:30:13 -0400
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-75244-2002.04.19-12.06.51--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

You didn't say what you are using for an antenna ... so I assume it is the
HT's rubber duck. You'll get the most "bang for the buck" with a better
antenna mounted on the bike if possible. I used to run bicycle mobile (not
APRS) and had a regular mobile antenna (Larsen 2/70 dual band whip) mounted
to my luggage rack. I know of others who have attached a J-Pole made of
pipe to their bikes.

For those who say you'll need a proper ground plane for a mobile antenna to
work, remember that some mobile antennas are 'ground independent' and
also, no matter how bad it is, it's got to be better than the rubber duck!

```
Richard Amirault                           N1JDU                Boston,
MA, USA
ramirault@erols.com              "Go Fly A Kite"
http:// www.erols.com/ramirault
----- Original Message -----
From: "Michael Bass" <mbass@amgen.com>
Subject: [aprssig] lightest aprs tracker



> I've tried a couple of times to run APRS while bicycle mobile in
> Southern California with limitted success.  Most of the packets I get
> back to my home station were ones that were direct (within about 2
> miles of home).  The system I'm using now is a Garmin GPS 3+,
> TigerTrack TM-1, and a VX5R (5W).  All of this equipment is located in
> my jersey pockets -- the three pockets on the back of a cycling
> jersey.
>
> I realize it isn't a matter of simply finding the lightest equipment.
> The other objective is to be heard.  The terrain I ride through is a
> challenge to both RF and rider: lots of canyons and mountains.  I've
> tried two different beacon paths, WIDE2-2 and RELAY,WIDE2-2 both with
> equal success.  (Remember in SoCal, the WIDEn-N nodes don't respond to
> RELAY.)  And having the HT in the jersey pocket probably means I'm
> getting a good "body null" as DF-ers know.
>
> Since I ride a road bike, installing a D700 and battery is out of the
> question.  If you have any thoughts, I'd love to hear them.


---
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Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org
```

---

618. [aprssig] RE: How to Reply in Microsoft Entourage/Outlook Express Mac

From: "Ronald Reams" <wa4mjf@worldnet.att.net>
Date: Fri, 19 Apr 2002 12:38:38 -0400
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-75245-2002.04.19-12.12.26--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

```
Hee-hee.....

That's good, Mike.



----- Original Message -----
From: "Mike Yetsko" <myetsko@insydesw.com>
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: <jesse@kc5los.com>
Sent: Friday, April 19, 2002 12:25
Subject: [aprssig] RE: How to Reply in Microsoft Entourage/Outlook Express
Mac


Hmmm....  Seems to me it's the idiots who always threaten to
unsubscribe whenever they get frustrated with the topic of
conversation.

Just my personal opinion and observation.  Not that it would EVER
apply to you of course.

Mike

----- Original Message -----
From: "Jesse" <jesse@kc5los.com>

> Just my 2 cents while I am in the process of unsubscribing due to the
> Illiterate and incompetent idiots of this list that have no clue on how
> their email works and tries to pass what they learned from their 4 year
> old kids off to us.


---
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Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

619. [aprssig] Re: lightest aprs tracker

From: Mark Phillips <g7ltt@g7ltt.com>
Date: Fri, 19 Apr 2002 12:45:07 -0400
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-75246-2002.04.19-12.19.46--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Hi Mike et al,

Been there done that! 2 ways to do it.

1) Install a TX only board, an OEM GPS and a Tiny Track into a slim metal box with antenna sockets, power etc underneath your bicycle rack. Install a 5/8ths antenna on a spring mount onto the back of the rack along with the GPS antenna. You need the spring mount in case you fall off. You don't want the antenna to stab you in the back. The spring will allow your body to deflect the whip.

2) Install an HT, GPS etc into the pockets on the back of your jersey. Get a MFJ "HatTenna" clip and mount it onto your helmet as well as some ZipLock ties to fasten the GPS antenna on there too. Transfer the HT's antenna onto the HatTenna. You could also attach a 1/4 wave piece of wire to the outside of the HatTenna to improve the efficiency.

Mark Phillips G7LTT/KC2ENI
Randolph, NJ 07869

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Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

620. [aprssig] MFJ Data Radio APRS crystals

From: Bill Vodall - WA7NWP <wa7nwp@yahoo.com>
Date: Fri, 19 Apr 2002 09:48:49 -0700
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-75248-2002.04.19-12.23.58--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Here's a message I recently sent to MFJ and their reply...

----- Original Message ----- From: Bill Vodall WA7NWP To: mfjcustserv@mfjenterprises.com Sent: Monday, March 11, 2002 2:56 PM Subject: Data Radio crystals

Hello,

I have two 145.01 data radios that I'd like to convert to 144.39 for APRS.

Do you sell the crystals?

Bill Vodall,
WA7NWP

---
crystal receive and transmit set for aprs, 144.390, $24.95 for pair, add $7.00 s/h. send personal check or money order to the address below or call the techline to order with a credit card.

MFJ CUSTOMER SERVICES
MFJ ENTERPRISES, INC.
300 Industrial Park Road
Starkville, MS 39759 USA
TEL: 662-323-5869
FAX: 662-323-6551
SALES: 800-647-1800
WEB: http://www.mfjenterprises.com
AMERITRON
e-mail: ameritron@mfjenterprises.com
HYGAIN
e-mail: hy-gain@mfjenterprises.com

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Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

621. [aprssig] Re: lightest aprs tracker

From: "Roy Bost" <rbost@itexas.net>
Date: Fri, 19 Apr 2002 11:55:37 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-75250-2002.04.19-12.30.17--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

I don't know if it would be any lighter, but a Kenwood D-7 would allow APRS and voice at the same time and do away with one piece of equipment..the TigerTracker. A small (2' x 2") metal (ferrus) bracket would allow the use of a "Hershey Kiss" dual band antenna.

---
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Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

622. [aprssig] Re: reply survey results

From: Mark Fellhauer <sparkfel@qwest.net>
Date: Fri, 19 Apr 2002 11:59:20 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-75251-2002.04.19-12.35.08--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

At 10:51 AM 4/19/02, Ronald Reams wrote:

>So, if the message came from the SIG, it will reply to the
>SIG.

The problem being the SIG didn't generate the message - it only forwarded the message to you. The person who wrote the message originated it.

At 09:47 AM 4/19/02, Ronald Reams wrote:

>I don't know about all this cuttin' and pastin' stuff,
>but I use OE and I am able to type your address in
>the Cc: line.

Again this is fine, but the issue is that the change was made so that people could click on "Reply" and reply to the SIG alone. There are several problems that arise:

1) The default setting for most (if not all) mail clients is when you click on "Reply" it quotes the author like this:

"At 09:47 AM 4/19/02, you wrote:"

Obviously this will not do on a SIG with 1200 subscribers and hundreds of threads. You are not properly attributing a quote by name. What we want it to say is:

"At 09:47 AM 4/19/02, Ronald Reams wrote:"

But that only happens by default on most mail clients when you click on "Reply to All."

2) Typing-in or Cutting a pasting a personal email address is fine. BUT... Not all mail clients show header information so that you can easily locate that email address and not all people provide an email address in the text of their message or tagline. Most POP3 mail clients allow you to selectively toggle whether to disply header info or not. The problem being that the two biggest ISP's in the country force their customers to use non POP3 email, so you must use their client, which may or may not be customizable. My own ISP, Qwest/MSN, is forcing the people of 14 states to switch to a non-POP3 email client or Hotmail... So as of next week my ISP/email address is changing...

This being the case - the changes to the SIG 4/17 are actually a step backwards and not a convenience as touted.

73,

Mark
KC7BXS

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Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

---

623. [aprssig] Re How to Reply; Microshaft

From: wa4tkg@attbi.com
Date: Fri, 19 Apr 2002 17:03:43 +0000
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-75252-2002.04.19-12.38.27--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

O.K.; Time for ME to FINALLY chime in here...I've had to
use my DELETE button all these times.

SOME of us use Macintosh computers:
APPARENTLY, there IS some QUIRKY dealings between the
Windoze' & Mac versions of these programs.
SOME of us actually ARE interested in SOME of these
postings; but quite frankly, I'm going to keep HITTING THE
DELETE button.
C 'Ya; You'll be BACK....
I UNsubscribed & REsubscribed LOADS of times over
the years....we'll STILL be here.
Come back when you get tired of an EMPTY mailbox.
....by the way, take a "Writing/Composition" class before
you REsubscribe, looks like you need a bit of help with
your sentence structure (ENTIRE post was"run-on" sentence)

> ----- Original Message -----
> From: "Jesse" <jesse@kc5los.com>
>
> > Just my 2 cents while I am in the process of unsubscribing due to the
> > Illiterate and incompetent idiots of this list that have no clue on how
> > their email works and tries to pass what they learned from their 4 year
> > old kids off to us.
>
>

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Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

---

624. [aprssig] Re: MFJ Data Radio APRS crystals

From: "Richard Amirault" <ramirault@erols.com>
Date: Fri, 19 Apr 2002 13:07:40 -0400
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-75253-2002.04.19-12.43.29--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Crystals are one thing ... you sldo need to re-tune the radio to the new
frequency as well. (owner of a MFJ Data Radio with the *old* crystals!)

Richard Amirault   N1JDU   Boston,
MA, USA
ramirault@erols.com   "Go Fly A Kite"
http:// www.erols.com/ramirault
----- Original Message -----
From: "Bill Vodall - WA7NWP" <wa7nwp@yahoo.com>
Subject: [aprssig] MFJ Data Radio APRS crystals

> crystal receive and transmit set for aprs, 144.390, $24.95 for pair, add
$7.00 s/h. send personal check or money order to the address below or call
the techline to order with a credit card.
>
> MFJ CUSTOMER SERVICES
> MFJ ENTERPRISES, INC.
> 300 Industrial Park Road
> Starkville, MS 39759 USA
> TEL: 662-323-5869
> FAX: 662-323-6551
> SALES: 800-647-1800

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To unsubscribe send a blank email to leave-aprssig-842K@lists.tapr.org
Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

625. [aprssig] PCcsat GPS testing

From: Bob Bruninga <bruninga@usna.edu>
Date: Fri, 19 Apr 2002 13:18:52 -0400 (EDT)
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: TAPR APRS SIG <aprssig@lists.tapr.org>
Message-ID: <LYR842-75254-2002.04.19-12.53.30--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

PCsat GPS:
Today I commanded on PCsat's GPS and within 4 minutes it had a fix. THis is without having any new KEPS since January, so moving at 17,500 MPH it was still able to estimate where it was so that its GPS could get a lock.

All next week we will probably command the GPS on for about 8 minutes during high passes over Maryland to give the GPS a chance to charge up its memory backup battery. This will make sure the GPS is ready for June when we get 3 full weeks of full sun.

de WB4APR, Bob
US Naval Academy Satellite Lab

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626. [aprssig] MARS Military Affiliate Radio Stations

From: Bob Bruninga <bruninga@usna.edu>
Date: Fri, 19 Apr 2002 13:22:50 -0400 (EDT)
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: TAPR APRS SIG <aprssig@lists.tapr.org>
Message-ID: <LYR842-75255-2002.04.19-12.57.13--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Army,Navy,Marine,AirForce MARS

If there is anyone on these sigs that is high-up in the MARS Heirarchy or is a good mole in the active duty miilitary establishment, how about letting me know. I have often wondered if there was not an un-explored avenue to space via the DOD support of the MARS program..

de WB4APR@amsat.org, Bob

PCsat WEB page http://www.ew.usna.edu/~bruninga/pcsat.html
ISS-APRS FAQ: http://www.ew.usna.edu/~bruninga/iss-faq.html
APRS SATELLITES http://www.ew.usna.edu/~bruninga/astars.html

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627. [aprssig] Re: lightest aprs tracker

From: "Kurt O. Jauss" <kf6hjo@earthlink.net>
Date: Fri, 19 Apr 2002 10:36:26 -0700
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-75258-2002.04.19-13.11.01--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Try a fiberglass pole and a rollup J-pole.

Michael Bass wrote:

>Here's a question for the list: What is the lightest aprs tracker
>possible?
>
>I've tried a couple of times to run APRS while bicycle mobile in
>Southern California with limitted success. Most of the packets I get
>back to my home station were ones that were direct (within about 2

```
>miles of home).  The system I'm using now is a Garmin GPS 3+,
>TigerTrack TM-1, and a VX5R (5W).  All of this equipment is located in
>my jersey pockets -- the three pockets on the back of a cycling
>jersey.
>
>I realize it isn't a matter of simply finding the lightest equipment.
>The other objective is to be heard.  The terrain I ride through is a
>challenge to both RF and rider: lots of canyons and mountains.  I've
>tried two different beacon paths, WIDE2-2 and RELAY,WIDE2-2 both with
>equal success.  (Remember in SoCal, the WIDEn-N nodes don't respond to
>RELAY.)  And having the HT in the jersey pocket probably means I'm
>getting a good "body null" as DF-ers know.
>
>Since I ride a road bike, installing a D700 and battery is out of the
>question.  If you have any thoughts, I'd love to hear them.
>
>73 de Mike, N7WLC/6
>
>
>
>---
>You are currently subscribed to aprssig as: KF6HJO@EARTHLINK.NET
>To unsubscribe send a blank email to leave-aprssig-842K@lists.tapr.org
>Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org
>
>



---
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```

---

628. [aprssig] Re: PCSAT Orbit Soon; Yipee!

From: Ken Collins <g4fip@btinternet.com>
Date: Fri, 19 Apr 2002 17:36:24 +0100
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-75259-2002.04.19-13.12.17--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

```
In article <LYR26201-75227-2002.04.19-11.12.00--g4fip#btinternet.com@lis
ts.tapr.org>, wa4tkg@attbi.com writes
>According to my copy of"MacDoppler"; we're about due for an orbit
>crossing SMACK (that was for you Earl; pass it to that clod) in the
>middle of North America. All you Mac fans need to go and download THIS
>one! http://www.dogparksoftware.com GO GET IT!; NOT available for
>Windoze' OS !; Sorry.

No apologies needed. Those Windows users who might feel deprived, go
to:-

http://www.satscape.co.uk

I've been around the satellite scene since the early days, and this is
one of the best I've seen.

I'm using it at the moment purely for the APRS birds, hence the posting
to this group.

Incidentally, PCSAT (NO-44) really is working well at the moment. At
present I am doing some tests through the bird from a TH-D7 in the car.
The antennas is a very unobtrusive 19" whip and it works great. Much
better than my base station with it's dual band 'white stick' antenna.

-- 
Ken Collins - G4FIP
E-mail:- g4fip@btinternet.com
http://www.btinternet.com/~g4fip

---
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```

---

629. [aprssig] Re: PCcsat GPS testing

From: Ken Collins <g4fip@btinternet.com>
Date: Fri, 19 Apr 2002 17:44:57 +0100

To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-75263-2002.04.19-13.29.34--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

In article <LYR26201-75254-2002.04.19-12.53.30--g4fip#btinternet.com@lists.tapr.org>, Bob Bruninga <bruninga@usna.edu> writes
>PCsat GPS:
>Today I commanded on PCsat's GPS and within 4 minutes it had a fix.
>THis is without having any new KEPS since January, so moving at 17,500
>MPH it was still able to estimate where it was so that its GPS could get
>a lock.

Thanks for that information Bob. I saw it in my car today and meant to
query you on it. At the time I saw it, it was indicating a possible
default position, i.e., latitude 0.0 and longitude 0.0.

We all know where that put it. Over the equator with no longitude, i.e.,
one of those stations off the West coast of Africa.   :-) :-)

--
Ken Collins - G4FIP
E-mail:- g4fip@btinternet.com
http://www.btinternet.com/~g4fip

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630. [aprssig] Disguised antennas

From: "Jack Smith" <jrs38801@bellsouth.net>
Date: Fri, 19 Apr 2002 13:08:45 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-75266-2002.04.19-13.42.58--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Thanks to everybody who told me about Sti-Co. The only thing is that they
think awfully highly of their antennas! LOL All three distributors in my
area want right at $200 for them. If anybody has any experience with them,
let me know. I'd like to know a little more before I plunk down that many
clams for one.

Jack R. Smith
KE4LWT

"Victory at all costs, victory in spite of all terror, victory however long
and hard the road may be; for without victory there is no survival."
- Winston [Leonard Spencer] Churchill (1874 - 1965)

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Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

631. [aprssig] Re: Disguised antennas

From: Doug Bade <doug@clecom.com>
Date: Fri, 19 Apr 2002 14:14:05 -0400
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-75267-2002.04.19-13.48.13--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

They are commercial grade, public safety market is about 95% of their
market... Mostly undercover as their disguise replacements are visibly
identical. If you flick them you can tell the whips are hollow fiberglass
with metal element, but beyond that... perfect replica's...
They are proud indeed, and justified as long as you can tolerate
commercial market pricing...
Doug KB8GVQ

At 01:08 PM 4/19/02 -0500, you wrote:
>Thanks to everybody who told me about Sti-Co. The only thing is that they
>think awfully highly of their antennas! LOL All three distributors in my
>area want right at $200 for them. If anybody has any experience with them,
>let me know. I'd like to know a little more before I plunk down that many
>clams for one.

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632. [aprssig] Re: APRS SIG <AND- ON TOPIC QUESTION!!!!!!>

From: WA8LMF2@aol.com
Date: Fri, 19 Apr 2002 14:49:07 EDT
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-75268-2002.04.19-14.23.18--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

In a message dated 4/19/02 7:44:59 AM Pacific Daylight Time, kcechura@umr.edu
writes:

> I have an (old) PK232, can it act as a digi WITHOUT changing firmware?

If you mean stand-alone, it will only be capable of being a dumb digi - no
WIDEN-n subsitution, TRACE support, dupe suppression, etc since it has no
APRS-specific firmware in it.

If you intend to use it with a computer to provide the APRS digipeater smarts
(i.e. something like DigiNed), then it should work as well as any other TNC.

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633. [aprssig] Re: lightest aprs tracker

From: WA8LMF2@aol.com
Date: Fri, 19 Apr 2002 14:58:36 EDT
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-75269-2002.04.19-14.32.56--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

In a message dated 4/19/02 9:13:44 AM Pacific Daylight Time, mbass@amgen.com
writes:

> And having the HT in the jersey pocket probably means I'm
> getting a good "body null" as DF-ers know.

There's your problem! Having the radio against your body is a good 10-15 db
loss!

Build a very thin 19-inch whip out of something like piano wire and mount it
on the bikes frame. (The weight and drag will be insignificant.)   Or even
better, mount it on the top of your helmet. Feed it with RG-174 or similar
ultra thin and light coax. The increase in radiated signal strength will be
enormous!

```
Stephen H. Smith                   wa8lmf @ aol.com
Home Page:
http://members.aol.com/wa8lmf
Ham Radio/Mobile SSTV page:     http://members.aol.com/wa8lmf/ham
APRS Stuff
http://members.aol.com/wa8lmf/aprs
-------------------------------------------------------------------------------

----------
|    Radio Communications Systems       Personal Computers
|                Consulting and Systems Integration
|    GPS Custom Mapping    &     Radio Coverage Surveys
|    File Conversions       MS-Windows Setups       VISCII Fonts
-------------------------------------------------------------------------------

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634. [aprssig] RE: Disguised antennas

From: "Rich Garcia" <k4gps@bellsouth.net>
Date: Fri, 19 Apr 2002 16:00:45 -0400

To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-75274-2002.04.19-15.35.14--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

```
I agree, there is nothing very special about them but due to their target
market they can ask for those
prices and get away with it. They work but I was never impressed when I was
in the 2-way industry.


-----Original Message-----
From: bounce-aprssig-19959@lists.tapr.org
[mailto:bounce-aprssig-19959@lists.tapr.org]On Behalf Of Jack Smith
Sent: Friday, April 19, 2002 2:09 PM
To: TAPR APRS Special Interest Group
Subject: [aprssig] Disguised antennas


Thanks to everybody who told me about Sti-Co.  The only thing is that they
think awfully highly of their antennas!  LOL  All three distributors in my
area want right at $200 for them.  If anybody has any experience with them,
let me know.  I'd like to know a little more before I plunk down that many
clams for one.

Jack R. Smith
KE4LWT

 "Victory at all costs, victory in spite of all terror, victory however long
and hard the road may be; for without victory there is no survival."
- Winston [Leonard Spencer] Churchill (1874 - 1965)




---
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```

635. [aprssig] REF: Disguised Antennas

From: wa4tkg@attbi.com
Date: Fri, 19 Apr 2002 21:44:20 +0000
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-75287-2002.04.19-17.18.26--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

```
That price is RIDICULOUS!
What will the mounting environment be?
What will you want/expect your antenna to do for you
(performance wise)?
Will this antenna only be used for APRS, or do you want it
to function for local repeaters as well?

I have a plain 'ole dual band Larsen; 5/8 wave in the
ATTIC of my apartment building, (of course it's 50'up, but
that's kinda' BESIDE the point) and it works FANTASTIC.
I run standard packet; to the tune of only 10W out, to a
BBS that is a good twenty miles away, and I still get into
it just fine.
The local DIGI is so HIGH, that it is useable with only 5W
out, but that doesn't count I suppose.
The point here is, you don't need to spend OUTLANDISH
amounts of money to get on the air.
If you are in a private home, in a single story house, my
bet would be to get a small 5 element yagi (possibly dual
bander, if necessary) and nail it into the rafters if you
have to.
If you have a TWO story house, I'm SURE a simple vertical
would work just fine, as long as you have good elevation
around you. (NOT in a VALLEY)
If this is your OWN house; personally I would get a mag
mount, and look for a good piece of sheet metal hanging on
the INSIDE of the attic, and KER'CLUNK!; stick it, and
```

forget it.
It'll NEVER rust/corrode, cuz it's INSIDE the house, and
you'll never have to worry about it blowing away unless
the ROOF BLOWS OFF. *or gets BLASTED off, which is the
case usually down here in Florida)

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636. [aprssig] Re: REF: Disguised Antennas

From: WA8LMF2@aol.com
Date: Fri, 19 Apr 2002 17:52:24 EDT
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-75289-2002.04.19-17.26.35--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

In a message dated 4/19/2002 2:47:33 PM Pacific Daylight Time,
wa4tkg@attbi.com writes:

> What will the mounting environment be?
> What will you want/expect your antenna to do for you
> (performance wise)?
> Will this antenna only be used for APRS, or do you want it
> to function for local repeaters as well?

The orginal post in this thread clearly indicated the antenna was for a
stealth installation in a VEHICLE !

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637. [aprssig] Re: REF: Disguised Antennas

From: wa4tkg@attbi.com
Date: Fri, 19 Apr 2002 21:59:15 +0000
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-75291-2002.04.19-17.33.21--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Daaaah !

Missed that.
....I'll shut up now *and go back to SLEEP)

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Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

638. [aprssig] REF: Disguised Antennas

From: wa4tkg@attbi.com
Date: Fri, 19 Apr 2002 22:04:03 +0000
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: aprssig@lists.tapr.org (APRS SIG)
Message-ID: <LYR842-75293-2002.04.19-17.38.09--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Daaaah; Missed that.

" Oh; Nevermind " (Gilda Radner; Saturday Night Live)
> I don't think his CAR has an attic.

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Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

639. [aprssig] Re: ADMIN: reply survey results & Enough!!

From: "Wolf Hoeller" <wolf.hoeller@gmx.net>
Date: Sat, 20 Apr 2002 00:07:23 +0200
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-75294-2002.04.19-17.42.04--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

```
> TAPR APRS Special Interest Group Digest for Thursday, April 18, 2002.
>
> 8. Re: ADMIN: reply survey results
> 9. Re: ADMIN: reply survey results
> 11. Re: ADMIN: reply survey results
> 12. Re: ADMIN: reply survey results
> ....................
> 102. Re: ADMIN: reply survey results
> 103. Re: ADMIN: Settings Tweaked
> 104. RE: Enough!!!!
> 105. Re: ADMIN: reply survey results
>

Sorry friends, but ...

... more than 50% from 108 entries have the same stupid OT since several
days: 'How to reply a message' !!!
Read the HowTo's (i.e. about full quoting a html-message) and think about
the topic of this mailing list! I recommend to discuss this problem on a
dedicated newsgroup.....

73 de Wolf, OE7FTJ
mailto:oe7ftj(at)gmx.at
AX.25-mail: oe7ftj@oe7xwr.#oe7.aut.eu
Have a look where I am: http://map.findu.com/oe7ftj-*






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```

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640. [aprssig] "Error: improper settings" in WinAPRS

From: "Steve King" <sjk_3@hotmail.com>
Date: Fri, 19 Apr 2002 17:14:55
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-75295-2002.04.19-17.49.01--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

```
Is MapBlast having troubles today?  I connected to the web port on my
WinAPRS 2.5.1.  I get the list of stations heard.  When I select a station
I get the three map windows but they are all blank white except for an
"Error: improper settings" in the middle.  I click on one of these blank
boxes and the MapBlast site opens up.

I have been working on DANAPRServer to be able to use javAPRS to put my
APRS station on the Internet, but they don't touch the WinAPRS files or
folders...

Is anyone else having that problem or is it just me?

Thanks,

---
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Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org
```

---

641. [aprssig] Re: "Error: improper settings" in WinAPRS

From: Keith Sproul <ksproul@rci.rutgers.edu>
Date: Fri, 19 Apr 2002 18:20:51 -0400
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-75297-2002.04.19-18.02.24--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

```
Map blast changed how they did things.  We have this mostly fixed and
are now testing this.

Keith

>Is MapBlast having troubles today?  I connected to the web port on my
>WinAPRS 2.5.1.  I get the list of stations heard.  When I select a station
>I get the three map windows but they are all blank white except for an
>"Error: improper settings" in the middle.  I click on one of these blank
>boxes and the MapBlast site opens up.
```

```
>
>I have been working on DANAPRServer to be able to use javAPRS to put my
>APRS station on the Internet, but they don't touch the WinAPRS files or
>folders...
>
>Is anyone else having that problem or is it just me?
>
>Thanks,
>
>---
>You are currently subscribed to aprssig as: KSPROUL@RCI.RUTGERS.EDU
>To unsubscribe send a blank email to leave-aprssig-842K@lists.tapr.org
>Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org



--
Keith Sproul    ksproul@rci.rutgers.edu         WU2Z
Student Housing Network Coordinator             732 445-3695 W
Rutgers University Computing Services

---
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To unsubscribe send a blank email to leave-aprssig-842K@lists.tapr.org
Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org
```

---

642. [aprssig] Re: Path Problem with WinAPRS 2.5.1

From: Keith Sproul <ksproul@rci.rutgers.edu>
Date: Fri, 19 Apr 2002 18:20:08 -0400
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-75296-2002.04.19-18.02.21--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

```
This is being looked into..

I would like to find someone to work with me OFF-LINE on this,
please respond to
        wu2z@amsat.org

Keith Sproul

>Forgive in advance if this has been covered before, I tried to search the
>archives to no avail.
>
>I'm running WinAPRS 2.5.1 using a soundcard with AGWPE and a RigBlaster.
>Understanding that the unproto path needs to be specified in a file named
>AGWPE_Local.prt, I plugged in my desired path as
>Path <tab> NA1SV-15,WIDE3-3
>
>When I look at what is transmitted, it *appears* that the path is being
>truncated (shortened) to NA1SV-15,WIDE3
>
>I've changed it to RELAY,WIDE3-3 and this is transmitted without being cut
>off.  Has anyone using a similar configuration had this problem?  I'm
>assuming that a path of WIDE3 is not going to have the same results as
>WIDE3-3
>
>Any light shed on this would be appreciated.
>
>Jay Millard
>KD1LY
>EC/RC Darien Chapter
>American Red Cross
>
>
>---
>You are currently subscribed to aprssig as: KSPROUL@RCI.RUTGERS.EDU
>To unsubscribe send a blank email to leave-aprssig-842K@lists.tapr.org
>Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org


--
Keith Sproul    ksproul@rci.rutgers.edu         WU2Z
Student Housing Network Coordinator             732 445-3695 W
Rutgers University Computing Services

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```

643. [aprssig] Re: PCSAT Orbit Soon; Yipee!

From: Earl Needham <needhame@yucca.net>
Date: Fri, 19 Apr 2002 17:15:42 -0600
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-75298-2002.04.19-18.51.49--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

```
At 03:36 PM 4/19/2002 +0000, wa4tkg@attbi.com wrote:
>According to my copy of"MacDoppler"; we're about due for
>an orbit crossing SMACK (that was for you Earl; pass it to
>that clod) in the middle of North America.
>All you Mac fans need to go and download THIS one!
>http://www.dogparksoftware.com
>GO GET IT!; NOT available for Windoze' OS !; Sorry.

         That's OK, we have STK and a host of others...

         7 3
         Earl


Earl Needham, KD5XB, Clovis, New Mexico
KD5XB-2>APW251,PCSAT-1*:=3425.83N/10313.55W-PHG7150/WinAPRS 2.5.1
-EARL_CLOVIS -251-<630>
Did you get a letter from Nigeria offering a "deal"?  See
http://home.rica.net/alphae/419coal/ and
http://www.crimes-of-persuasion.com/Crimes/Business/nigerian.htm


---
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```

644. [aprssig] Re: D700 in Jeep Cherokee

From: "Tim Cunningham" <tim_cunningham@mindspring.com>
Date: Fri, 19 Apr 2002 18:15:33 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-75299-2002.04.19-18.57.03--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

```
Allan,

I put my D700 under the back seat and mounted the control head
on the front dash using a Panavise mount I picked up at Gigaparts
www.gigaparts.com

The mount was extremely easy to mount without drilling any holes.
I just removed a piece of trim, removed  a bolt already in place,
put the Panavise mount in place, re-installed the bolt, installed a
self tapping screw, and replaced the trim on the dash. It was very
quick and painless. It also looks professional and the control
head is easy to reach and easy to view.

Anyhow, the guys at Gigaparts will know which mount you need
based on the year of your vehicle. I used the Kenwood mount
to mount the control head to the Panavise bracket. It looks
great and I was extremely pleased with the installation.

I made an extension cable for my microphone instead of using
the extension kit from Kenwood. I did not need the extension
cable for the control head and could not justify the kit to only
use one cable.




73's,

Tim - N8DEU
Huntsville, Alabama





----- Original Message -----
```

```
From: "Sadowski, Allan" <allan.sadowski@ncshp.org>
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Sent: Friday, April 19, 2002 10:48 AM
Subject: [aprssig] D700 in Jeep Cherokee


> Anyone here done the above... how/where did they mount... and what kinds of
> power and antenna arrangements did they do...  I'd also like to hear of any
> working GPS arrangement that uses a GARMIN GPS to display reported
> positions...
>
> TNX in advance



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```

645. [aprssig] Re: D700 in Jeep Cherokee

From: "Bill Kearns" <billk@inland.net>
Date: Fri, 19 Apr 2002 16:37:00 -0700
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-75305-2002.04.19-19.10.45--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

```
>
> I put my D700 under the back seat and mounted the control head
> on the front dash using a Panavise mount I picked up at Gigaparts
> www.gigaparts.com
>

Search for "Panavise" and "mount" found 0 results.

do you have a part number??




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```

646. [aprssig] Re: Hamfest Season

From: Tyler Griffiths <n7uwx@attbi.com>
Date: Fri, 19 Apr 2002 18:37:53 -0600
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-75315-2002.04.19-20.13.22--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

```
I just put my latest presentation out on the web at
http://www.qsl.net/n7uwx/aprs.ppt
It is a hacked version of someone else's.
Feel free to use/hack as you need.

Tyler
N7UWX

KC7ZRU - Tate wrote:

> Is here again!
>
> APRS presentations will soon be asked for. In fact I've got one of my
> own to do.
>
> Has anyone put together anything new? Any really effective and/or
> success stories? Any horror stories to learn from?
>
> Hand outs? Visuals, examples? Common questions? Areas missed?
>
> What's worked? What hasen't?
>
> Time to start a 'presentations project' at sourceforge?
>
> 73
>
> --
>               Casper, WY    |    CARC Repeater
>                 DN62tt      |      146.940
>         "The Dungeon" online at http://go.to/kc7zru
>             "RTFM" is NOT a 'four letter' word!
>
> ---
> You are currently subscribed to aprssig as: n7uwx@attbi.com
> To unsubscribe send a blank email to leave-aprssig-842K@lists.tapr.org
> Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

--
Find out where I am...
 http://map.findu.com/n7uwx-13
+..................................................................+
| Tyler Griffiths                            Ham Radio, N7UWX         |
| http://www.n7uwx.net                           President            |
| n7uwx@attbi.com                      Bridgerland Amateur Radio club |
| (435) 750-9222   (pager)      |=|       http://www.barconline.org  |
| tyler@sficorp.com            (o o)         tyler@n7uwx.net         |
+---------------------------oOO--V--OOo-----------------------------+
```

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---

647. [aprssig] MFJ Data Radio

From: James Smith <k9apr@tawg.org>
Date: Sat, 20 Apr 2002 01:17:22 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-75351-2002.04.20-01.52.06--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Thanks to everyone that responded so quick on the crystal for the MFJ
Data Radio.

--
73, James, K9APR
Chairman\Coordinator
Tri-State APRS Working Group
http://www.tawg.org
mailto:k9apr@tawg.org
Run a APRS Site? Why not join the APRS Webring
http://www.tawg.org/join.htm

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---

648. [aprssig] Swift Wx prg

From: James Smith <k9apr@tawg.org>
Date: Sat, 20 Apr 2002 01:25:03 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-75352-2002.04.20-01.59.47--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Wow, was scroll trough the net this evening and came across this program
that will allow you track your position over any weather map using GPS
and monitor severe wx in real time. Seems like this could have APRS
possibilities? To get a overview of this software visit
http://www.swiftwx.com ....

--
73, James, K9APR
Chairman\Coordinator
Tri-State APRS Working Group
http://www.tawg.org
mailto:k9apr@tawg.org
Run a APRS Site? Why not join the APRS Webring
http://www.tawg.org/join.htm

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---

649. [aprssig] Re: Stand Alone Decoders et;al

From: "Byon Garrabrant" <byon@byon.com>
Date: Sat, 20 Apr 2002 00:03:47 -0700
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-75355-2002.04.20-02.38.29--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

On 19 Apr 2002, at 2:12, Josh Gould <aprssig@lists.tapr.org> wrote:

>
> I came up with a theroy. If we have stand alone Encoders such as the
> TinyTrakII, Why can't we have Stand alone decoder to attach to a
> radio or scanner to decode the APRS packets without buying a TNC. If
> they are out there, does any one know where I could get one?
>

There is the PeekPack, which you can see at byonics.com.
Expect a kit coming soon. :)

Byon
____
 Byon Garrabrant   N6BG   byon@byon.com

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---

650. [aprssig] PIC-E Applications/Firmware

From: "Tony Hunt" <wavetel@iname.com>
Date: Sat, 20 Apr 2002 22:33:15 +0930
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-75361-2002.04.20-08.37.33--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Please excuse my ignorance but can somebody tell me if there is any Terminal type emulation available for the PIC-E ?? Will it run something like a TNC2 command set with a command prompt ?? Maybee the F84 is a bit short on memory for this but perhaps another PIC stuck inside a DB25 could do the emulation and talk to the PIC-E in KISS mode.. Now theres a wild idea..

I beleive theres a Kiss app for it and maybee a APRS digi app..

Where are some good places to find firmware/apps for it ??

Tony Hunt VK5AH wavetel@iname.com

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---

651. [aprssig] Re: Swift Wx prg

From: David VanHorn <dvanhorn@cedar.net>
Date: Sat, 20 Apr 2002 08:57:51 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-75363-2002.04.20-09.31.26--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

At 01:25 AM 4/20/2002 -0500, James Smith wrote:
>Wow, was scroll trough the net this evening and came across this program
>that will allow you track your position over any weather map using GPS
>and monitor severe wx in real time. Seems like this could have APRS
>possibilities? To get a overview of this software visit
>http://www.swiftwx.com ....

The author has designs toward APRS already. :)

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652. [aprssig] Re: PIC-E Applications/Firmware

From: Mark Cheavens <mcheavens@usa.net>
Date: Sat, 20 Apr 2002 09:06:41 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-75366-2002.04.20-09.40.57--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

All the firmware is located on the PIC-E FTP site at TAPR.ORG

There is no TNC type UI. I have seen the KISS mode firmware but have never
messed with it.

There is a group of us that has been talking about "updating" the Pic-E.
The two most important criteria will be for it to be much smaller. (Tiny
Track sized). The Pic-E is out of code space and we have been thinking
about LOTS of other software for it, including a UI digipeater mode.

Soon we will have our design criteria and wish list completed. There has
been NO talk of trying to do a TNC emulation mode. I really don't think
there is a reason to re-invent the wheel.

Mark Cheavens
KC5EVE
At 10:33 PM 4/20/2002 +0930, you wrote:
>Please excuse my ignorance but can somebody tell me if there is any Terminal
>type emulation available for the PIC-E ?? Will it run something like a TNC2
>command set with a command prompt ?? Maybee the F84 is a bit short on memory
>for this but perhaps another PIC stuck inside a DB25 could do the emulation
>and talk to the PIC-E in KISS mode.. Now theres a wild idea..
>
>I beleive theres a Kiss app for it and maybee a APRS digi app..
>
>Where are some good places to find firmware/apps for it ??
>
>Tony Hunt VK5AH wavetel@iname.com
>
>
>
>---
>You are currently subscribed to aprssig as: mcheavens@usa.net
>To unsubscribe send a blank email to leave-aprssig-842K@lists.tapr.org
>Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

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653. [aprssig] KPC3+ - What do your settings look like?

From: "J.Duffy Beischel" <wb8nut@arrl.net>
Date: Sat, 20 Apr 2002 9:32:9
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-75367-2002.04.20-10.06.17--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

I have just purchased a KPC3+ for APRS. A few fellow hams published their
settings on the web and I used some of their ideas in configuring mine.
Anyone else what to share how they configured their KPC3+'s to make the
best use of the network, best functionality, etc.?

BTW, it works very well with a Garmin eTrex.

Duffy - WB8NUT
duffy@wb8nut.com
http://www.wb8nut.com

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654. [aprssig] Re: KPC3+ - What do your settings look like?

From: Robbie Robertson <mwrobertson@attbi.com>
Date: Sat, 20 Apr 2002 09:42:01 -0500

To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-75368-2002.04.20-10.16.10--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Hi Duffy,

Think you mike like to visit Jeff's page at:
http://www.dididahdahdidit.com/

There are others and Jeff's site will show more informative
sites as well.

Best of luck and 73

Robbie

"J.Duffy Beischel" wrote:

> I have just purchased a KPC3+ for APRS. A few fellow hams published their
> settings on the web and I used some of their ideas in configuring mine.
> Anyone else what to share how they configured their KPC3+'s to make the
> best use of the network, best functionality, etc.?
>
> BTW, it works very well with a Garmin eTrex.
>
> Duffy - WB8NUT
> duffy@wb8nut.com
> http://www.wb8nut.com
>
> ---
> You are currently subscribed to aprssig as: mwrobertson@attbi.com
> To unsubscribe send a blank email to leave-aprssig-842K@lists.tapr.org
> Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

--

- Robbie Robertson -
wa9inf@attbi.com
...-.- wa9inf ...-.-

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---

655. [aprssig] Disguised antennas{suggestion}

From: John Kraus <jfkraus3@cox.net>
Date: Sat, 20 Apr 2002 12:11:23 -0400
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-75376-2002.04.20-11.45.07--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

I am not sure who started this thread but here is a possibility. On
page130 of the Fall/Winter2001 AES Catalog is a "Freedom Antenna". I think
it used to be called the Stealth Antenna. It is a patch antenna with
models for 2 Meters and 440 and is rated at 75 watts. I have no experience
with it but for a hidden setup it seems to be ideal. I suspect it performs
similar to or slightly below a ground plane but is likely to have
significant nulls depending location in the car. For an APRS setup it may
or may not work well depending on radiation characteristics. If it is
narrow beamed and subject to fading it likely would be a poor performer.
It is may be unlikely to perform well over longer ranges compared to an
whip type antenna but may work well in an urban environment. I have not
had time to find a link on the AES site but it should be there somewhere.

The catalog numbers are:

HVA-146
HVA-440

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656. [aprssig] Why Disguise Your Antenna ?

From: wa4tkg@attbi.com
Date: Sat, 20 Apr 2002 16:39:34 +0000
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>

Message-ID: <LYR842-75391-2002.04.20-12.13.44--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

If you REALLY want a disguised antenna, why not use your
regular CAR antenna?
(if it's of any good construction; that is)

MFJ makes a small tuner box, that allows you to use your
standard AM/FM car radio antenna on 2m.
Just a thought, it MAY even have a bit of GAIN on it.
(sorry about my RAMBLING response yesterday; missed your
original post, Daaaaah)

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---

657. [aprssig] Re: D700 in Jeep Cherokee

From: "Tim Cunningham" <tim_cunningham@mindspring.com>
Date: Sat, 20 Apr 2002 12:31:04 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-75407-2002.04.20-13.12.30--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

There were several questions to my response, so I will attempt
to cover them here.

The Panavise web site can be found at http://www.panavise.com

The part number for the mount I used is 75122-296. It mounts to
the right of the climate control on my dash (1997 Jeep Grand
Cherokee Limited).

The mount is intended for an in-dash cellular telephone mount.
It was perfect for my installation since the D700 control head is
very light. The mount is very sturdy. Check the Indash models
by Panavise under the Cellular category on their web site.

If I get a chance to take some pictures this afternoon I will post
them on my web site this evening or tomorrow at www.qsl.net/n8deu

The 12 Vdc power was wired from the battery compartment,
around the back of the engine, and down through the frame and
out a hole on the frame near the back seat behind the driver seat.
I use the black/red high current zip cord that can be found at many
Hamfests. I drilled 2 holes under the back passenger seat near
the factory installed audio power amplifier and used 2 rubber
grommets from a local automotive shop to insure a tight seal for
the wires. When I realized that it was very difficult to find a place
in the firewall to route the power cord, I quickly took the matter in
my own hands and created my own custom routing. Like anybody
else, I hated the thought of drilling holes, but I figured the time it
would take to do it another way was time I could be doing other
things in life.

I also used a hole punch to mount an NMO mount antenna on my
roof top. The metal is thin so you need to find a sturdy point on the
roof. My 1990 Jeep had much thicker metal on the roof.

Tim - N8DEU

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---

658. [aprssig] Re: Why Disguise Your Antenna ?

From: "Mike Yetsko" <myetsko@insydesw.com>
Date: Sat, 20 Apr 2002 14:40:14 -0400
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-75408-2002.04.20-14.14.47--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

This is generally not a good idea. The problem is that a lot of car
antennas
are fed with high impedance coax that is a hair-thin wire in an open air
insulator and cannot take any kind of power. Even 5W might burn the
coax out. Take a CAREFUL look at your car antenna coax before you
consider this AT ALL!!

If you want the disguise, then pick up a CB antenna that's a disguise
antenna
from places like Antenna Specialist. For about $40 or so, you can get
an exact match (well, maybe not 'exact'. They only match one size of the
Chrysler base nut last time I checked...) You can throw away the CB
matching box, or gut it. And now you have a decent antenna (for the
purpose) with a decent cable feed, and even a decent box to build your
own custom match into.

Mike

----- Original Message -----
From: <wa4tkg@attbi.com>

> If you REALLY want a disguised antenna, why not use your
> regular CAR antenna?
> (if it's of any good construction; that is)
>
> MFJ makes a small tuner box, that allows you to use your
> standard AM/FM car radio antenna on 2m.
> Just a thought, it MAY even have a bit of GAIN on it.
> (sorry about my RAMBLING response yesterday; missed your
> original post, Daaaaah)
>

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659. [aprssig] Re: Did a worm hit the membership yesterday?

From: "Mike Yetsko" <myetsko@insydesw.com>
Date: Sat, 20 Apr 2002 15:11:18 -0400
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-75414-2002.04.20-14.45.36--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

I got 4 more this morning so far. 3 of the 4 had 'ham calls' as the
return address. But I didn't verify the ham call as valid.

Mike

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660. [aprssig] KPC9612 as standalone Digi

From: Kenneth Cechura <kcechura@umr.edu>
Date: Sat, 20 Apr 2002 14:41:01 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-75415-2002.04.20-15.15.08--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

what do my settings need to be? I got the radio to Rx, now how do i make
it "smart" digipeat?

thanks
Ken

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Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

661. [aprssig] D700 in 2002 Venture Van

From: "Chuck Gooden" <chgooden@insightbb.com>
Date: Sat, 20 Apr 2002 14:50:14 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-75417-2002.04.20-15.24.18--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Just got a new 2002 Venture Van and I am wondering if anyone can give me any guideline on installing a Kenwood D700 in it and antenna locations.

Thanks,

Chuck Gooden - N9QBT
Rockford, Illinois

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---

662. [aprssig] RE: Disguised antennas{suggestion}

From: "WL7FT" <wl7ft@mmcable.com>
Date: Sat, 20 Apr 2002 15:26:54 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-75419-2002.04.20-15.56.40--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

This is a good idea, but remember to check those SWRs as many glass mounted antennas have VSWR problems with newer glass types that have metallic compounds imbedded in the glass as part of thier tinting.

Food for thought, always check the SWRs.

MAH

-----Original Message-----
From: bounce-aprssig-27062@lists.tapr.org
[mailto:bounce-aprssig-27062@lists.tapr.org]On Behalf Of John Kraus
Sent: Saturday, April 20, 2002 11:11 AM
To: TAPR APRS Special Interest Group
Subject: [aprssig] Disguised antennas{suggestion}

I am not sure who started this thread but here is a possibility. On page130 of the Fall/Winter2001 AES Catalog is a "Freedom Antenna". I think it used to be called the Stealth Antenna. It is a patch antenna with models for 2 Meters and 440 and is rated at 75 watts. I have no experience with it but for a hidden setup it seems to be ideal. I suspect it performs similar to or slightly below a ground plane but is likely to have significant nulls depending location in the car. For an APRS setup it may or may not work well depending on radiation characteristics. If it is narrow beamed and subject to fading it likely would be a poor performer. It is may be unlikely to perform well over longer ranges compared to an whip type antenna but may work well in an urban environment. I have not had time to find a link on the AES site but it should be there somewhere.

The catalog numbers are:

HVA-146
HVA-440

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---
Incoming mail is certified Virus Free.
Checked by AVG anti-virus system (http://www.grisoft.com).
Version: 6.0.350 / Virus Database: 196 - Release Date: 4/17/2002

Outgoing mail is certified Virus Free.
Checked by AVG anti-virus system (http://www.grisoft.com).
Version: 6.0.350 / Virus Database: 196 - Release Date: 4/17/2002

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663. [aprssig] Baker to vegas run

From: Steve Dimse <k4hg@tapr.org>
Date: Sat, 20 Apr 2002 16:30:27 -0400
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-75420-2002.04.20-16.04.41--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

The run is underway, and everything seems to be working fine. As I
watched the first group take off I realized the table was confusing,
and I now am sorting it by leg and distance to go.

Everyone should take a look at this, it is an excellent example of
what APRS is capable of.

http://b2v.findu.com

Steve K4HG

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664. [aprssig] MAPS

From: "Ted Freitas" <ted@techienet.com>
Date: Sat, 20 Apr 2002 15:38:34
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-75421-2002.04.20-16.12.40--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

How can I go about generating maps for WinAPRS? I've looked around and
can't seem to find anything on this topic.

Thanks!

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665. [aprssig] Suggestion for mail order sources for Street Atlas?

From: "Doug Younker" <dougy@ruraltel.net>
Date: Sat, 20 Apr 2002 16:31:26 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-75423-2002.04.20-17.06.11--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Hi; subject line says it all. Nearby retailers tell me they can't order the
software. I don't do credit cards anymore so online purchase is not an
option so, I need a source where I can order via the snail with money order
recommendations? Thanks and 73
Doug, N0LKK
dougy@ruraltel.net

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666. [aprssig] Follow-up: Radio installation in recent BMWs

From: "Mark Conner" <n9xtn@cox.net>
Date: Sat, 20 Apr 2002 16:36:26 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-75425-2002.04.20-17.10.38--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

A follow-up to a question I posted earlier in installing mobile
units in a late-model BMW with the "no 2-way radio" warning
sticker. Two hams e-mailed me off-SIG and said they had
installed and used VHF/UHF mobiles in their BMWs without any
problems. One ham even provided fairly detailed information
about his install, which was quite helpful.

```
Every now and again the signals are worth the noise on this
SIG..........

73 de Mark N9XTN

------
Mark D. Conner
E-mail: n9xtn@arrl.net
Homepage: http://members.cox.net/mconner1
"Arrogance and stupidity, all in the same package.....how
 efficient of you!"   -  Ambassador Londo Mollari, Babylon 5





---
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```

667. [aprssig] Re: Suggestion for mail order sources for Street Atlas?

```
From: "John Becker" <molou@big-river.net>
Date: Sat, 20 Apr 2002 16:47:36 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-75427-2002.04.20-17.21.54--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain
```

```
http://www.half.com

try the software part of the site.....

John, W0JAB




----- Original Message -----
From: "Doug Younker" <dougy@ruraltel.net>
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Sent: Saturday, April 20, 2002 4:31 PM
Subject: [aprssig] Suggestion for mail order sources for Street Atlas?


> Hi; subject line says it all.  Nearby retailers tell me they can't order the
> software. I don't do credit cards anymore so online purchase is not an
> option so, I need a source where I can order via the snail with money order
> recommendations?  Thanks and 73
> Doug, N0LKK
>  dougy@ruraltel.net
>
>
> ---
> You are currently subscribed to aprssig as: molou@big-river.net
> To unsubscribe send a blank email to leave-aprssig-842K@lists.tapr.org
> Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org
>

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```

668. [aprssig] RE: Suggestion for mail order sources for Street Atlas?

```
From: "Joe Dorn" <joedorn@stonemedia.com>
Date: Sat, 20 Apr 2002 17:13:42 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-75428-2002.04.20-17.49.11--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain
```

```
Try the Delorme site, they will probably work with you...

http://www.delorme.com/software.htm

Joe Dorn, W5VEX, Belton, Texas

-----Original Message-----
From: bounce-aprssig-23581@lists.tapr.org
[mailto:bounce-aprssig-23581@lists.tapr.org]On Behalf Of Doug Younker
```

Sent: Saturday, April 20, 2002 4:31 PM
To: TAPR APRS Special Interest Group
Subject: [aprssig] Suggestion for mail order sources for Street Atlas?

Hi; subject line says it all. Nearby retailers tell me they can't order the software. I don't do credit cards anymore so online purchase is not an option so, I need a source where I can order via the snail with money order recommendations? Thanks and 73
Doug, N0LKK
dougy@ruraltel.net

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669. [aprssig] Digi problems

From: Ken Cechura <kcechura@umr.edu>
Date: Sat, 20 Apr 2002 17:25:18 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-75429-2002.04.20-17.58.22--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

ok, let me outline the situation, and see if anyone has any suggestions

1) TNC- KPC9612+
2) Radio- Yaesu FT2400
3) user- has no clue.

at any rate, i built the cables per the Yaesu manual, and KAN's online manual, I tried playing with all the settings, and eventually gave up, as i couldn't get it to work. What should ll the various parameters be to set up a digi?

notes: I got the TNC from Kantronics as a "factory second" (no warrantee); there was a blown trace on the underside of the board which was jumpered with wire. (hey, at $50 for a 9612+, i figured the price was pretty good!). The TNC will transmit on port 2 (the high speed port) and receives fine on port 1. for some reason, it will NOT transmit on port 1 (xmitok is on/on), and receiving is odd on port 2; even with a strong signal, it doesn't quite receive correctly..... it might be getting data, but the RX LED doesn't stay on during the signal, or it will only flip on during the slight squelch tale at the end of the transmission. I want to make this thing work!!! I COULD (but would prefer not to) wire up a harness to RX on port 2 and TX on port 1, if need be, but i really want to get this thing working on a single port as a digi....we desperately need one in this area!!!!!

ANY help would be appreciated.

thanks
Ken

```
      //////////////////////////////////////////////////////
     //        Kenneth R. Cechura, KC9UMR/Ø              //
    //            kcechura@umr.edu                     //
   //           President, W0EEE, 2002                //
  // University of Missouri-Rolla Amateur Radio Club  //
//////////////////////////////////////////////////////
```

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670. [aprssig] Linux SQL

From: "Andrew Rich" <andrew.rich@bigpond.com>
Date: Sun, 21 Apr 2002 08:29:55 +1000
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-75430-2002.04.20-18.03.53--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Does anyone have SQL experience on Linux SQL ?

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---

671. [aprssig] Re: Linux SQL

From: KC7ZRU - Tate <kc7zru@arrl.net>
Date: Sat, 20 Apr 2002 16:42:22 -0600
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-75431-2002.04.20-18.16.29--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

A very little - MySQL. Mostly PHP apps.

What's up?

Hit me off the list for the rest of this, k? I can see the screams
starting already....

73

Andrew Rich wrote:
>
> Does anyone have SQL experience on Linux SQL ?
>

--
```
              Casper, WY    |    CARC Repeater
                DN62tt      |      146.940
        "The Dungeon" online at http://go.to/kc7zru
            "RTFM" is NOT a 'four letter' word!
```

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672. [aprssig] Re: Linux SQL

From: John Kraus <jfkraus2@cox.net>
Date: Sat, 20 Apr 2002 19:00:12 -0400
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-75434-2002.04.20-18.33.48--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

In an attempt to preclude the screaming.

You might also try the TAPR linux list:

List-Subscribe: <mailto:subscribe-linux@lists.tapr.org>

At 04:42 PM 20-04-02 -0600, you wrote:
>A very little - MySQL. Mostly PHP apps.
>
>What's up?
>
>Hit me off the list for the rest of this, k? I can see the screams
>starting already....

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---

673. [aprssig] Re: Follow-up: Radio installation in recent BMWs

From: "Bob & Janet" <jbcraft@adelphia.net>
Date: Sat, 20 Apr 2002 19:38:00 -0400
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-75440-2002.04.20-19.18.01--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

```
I seem to recall seeing somewhere RECENTLY, that the Florida Highway Patrol
has at least ONE BMW car in the fleet. Something about it being donated by
BMW, something about it being made in Florida... I did not pay a lot of
attention to the story... but, where I am going with this, is... MAYBE you
could contact the FHP and ask them what they did to install radio gear.
Bob


---
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```

---

674. [aprssig] Re: Follow-up: Radio installation in recent BMWs

From: <dodom@mindspring.com>
Date: Sat, 20 Apr 2002 19:57:26 -0400
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-75442-2002.04.20-19.31.33--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

```
Actually the message stated the South Carolina Highway Patrol at one time
had a BMW patrol Car.  I also know that the fire department that serves the
BMW plant near Greenville South Carolina has had 2 BMW 3 Series Chief's
Cars.

Dave
W4VOR


---
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```

---

675. [aprssig] Re: Follow-up: Radio installation in recent BMWs

From: "lloyd mitchell" <lloydm75@hotmail.com>
Date: Sat, 20 Apr 2002 20:05:00 -0400
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-75443-2002.04.20-19.39.13--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

```
The SC Highway Patrol also has a few BMW motorcycles too.  Full Police-drag,
decked out with all the toys, and fast too.

Lloyd KD4HTW
Florence SC


----Original Message Follows----
From: <dodom@mindspring.com>
Reply-To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Subject: [aprssig] Re: Follow-up: Radio installation in recent BMWs
Date: Sat, 20 Apr 2002 19:57:26 -0400

Actually the message stated the South Carolina Highway Patrol at one time
had a BMW patrol Car.  I also know that the fire department that serves the
BMW plant near Greenville South Carolina has had 2 BMW 3 Series Chief's
Cars.

Dave
W4VOR


---
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```

Lloyd

____
Chat with friends online, try MSN Messenger: http://messenger.msn.com

---
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---

676. [aprssig] aprs and rigblaster

From: "James Jackson" <kb8zuz@centurytel.net>
Date: Sat, 20 Apr 2002 19:50:33
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-75446-2002.04.20-20.24.40--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Does anyone have the settings for using the rigblaster with winaprs i have tried several times to get this going but no success when i open the tnc it puts the radio in transmit mode and wont come out any help??

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---

677. [aprssig] Replacement for D-700A?

From: Dave Kaplan <dkaplan@steffeninc.com>
Date: Sat, 20 Apr 2002 19:55:39 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-75449-2002.04.20-20.34.20--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

I continue to replace items from my stolen Suburban.

In lieu if the Pharos I-GPS to feed the D700 I purchased a Tri-M Systems "Smart Skymaster". This is essentially a hard mount version of the Pharos. It is a combined antenna/receiver just like the Pharos, in a round package about 2 1/2 dia and about 5/8" high (looks like a standard round patch antenna but a little higher). It has a 3/4" stud sticking out the bottom that inserts through a single 3/4" hole in the roof like a Motorola-type antenna mount. A single nut threads onto the stud from below to lock it into position. The center of the stud has a 6-pin PS/2-type mini-din socket where you feed 5VDC in and take RS-232 NMEA 2.0 data out. Check it out at http://www.gpsoutfitters.com (Their US distributor) While it was a bit more than the Pharos it will have a better view since it will be mounted on the roof and not restricted to looking out just the front windshield. Not to mention the very friendly people at gpsoutfitters returned e-mail where Pharos did not.

Last week I asked the questions, is there a better radio for mobile APRS than the Kenwood D-700? With Dayton so close I would hate to buy something new just to find out it had been replaced or bettered by someone else.

Any ideas anyone?

Dave
WB0WNX-3 (someday soon again)

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---

678. [aprssig] Re: Replacement for D-700A?

From: "Guy Story, KC5GOI" <kc5goi@kc5goi.net>
Date: Sat, 20 Apr 2002 20:13:33 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-75451-2002.04.20-20.56.15--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Dave, no other radio does what the D700 does. I am begining to rethink my decission on the D700 verses a V7A with a seperate tnc. This is going to start a fire but my reasoning is this. As time has gone by, my D700 has gotten worse about the tnc NOT going from packet to APRS mode cleanly. It has gotten to the point that I have to perform a PM reset everytime. I have emailed Kenwood twice and not received a response. I plan to talk to them at Dayton.

The V7A can do the same split as the D700. You can tell the data port to work with either side of the rig, talk on VHF or UHF while the other side does APRS or packet. PTT behavior is the same for it as the D700. The downside, the overall package is higher in cost verses a D700 and is two pieces of gear instead of 1.

My suggestion is either a new D700 or a V7A with a KPC3+ (with my spliter cable :)). The sweet thing with the KPC3+ is that you can plug in the laptop/pda at will with out switching modes. I would suggest customizing the init and exit scripts to take care of the beacon parameters on the KPC3 so you do not have both the software and the tnc setting beacon. My next setup will most likly be a V7A and KPC3+ unless Kenwood comes up with a fix for the ill behavior of the tnc.

73

--
Guy Story, KC5GOI
Denton Texas
kc5goi@kc5goi.net

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Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

---

679. [aprssig] Re: Replacement for D-700A?

From: "Roy Bost" <rbost@itexas.net>
Date: Sat, 20 Apr 2002 20:45:36 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-75453-2002.04.20-21.20.30--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

On my v7 the data side controls PTT! It will interrupt a voice transmission to send data.

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Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

---

680. [aprssig] Re: aprs and rigblaster

From: WA8LMF2@aol.com
Date: Sat, 20 Apr 2002 21:50:14 EDT
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-75454-2002.04.20-21.24.29--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

In a message dated 4/20/02 5:52:20 PM Pacific Daylight Time, kb8zuz@centurytel.net writes:

> Does anyone have the settings for using the rigblaster with winaprs i have
> tried several times to get this going but no success when i open the tnc it
> puts the radio in transmit mode and wont come out any help??

Huh?? The Rigblaster is not a TNC!! It's only a couple of audio transformers(one for TX audio and one for RX) and a transmit PTT interface controlled by the handshaking lines (not the data lines) of a serial port. Unless you use a soundcard software TNC like the AGW Packet Engine or MixW with the Rigblaster, nothing is ever going to happen. No doubt, the Rigblaster is being keyed by one of the serial port handshake lines being set active by WinAPRS thinking it is activating a real TNC.

Stephen H. Smith   wa8lmf @ aol.com
Home Page:
http://members.aol.com/wa8lmf
Ham Radio/Mobile SSTV page: http://members.aol.com/wa8lmf/ham
APRS Stuff
http://members.aol.com/wa8lmf/aprs

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|    Radio Communications Systems       Personal Computers
|                Consulting and Systems Integration
|    GPS Custom Mapping    &     Radio Coverage Surveys
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Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

681. [aprssig] What is MS150(X)-1?

From: "M. Schneider" <msokla@provalue.net>
Date: Sat, 20 Apr 2002 23:58:47 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-75498-2002.04.21-00.31.26--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Anybody, especially in or around the Austin, TX area, seen or know what the series of MS150(X)-1 trackers are? The are at least 6 of them that I've seen, MS1502-1, MS1503-1, MS1505-1.MS1506-1, MS1507-1 and MS1508-1. MS1507-1 actually showed on my map as being out in the Gulf of Mexico at one point! There is no callsign associated with these trackers. They are displaying the default icon for SSID 1, the ambulance icon. Who are they and what are they doing? Inquiring minds want to know!

Mark Schneider
K5MAR
Stillwater, OK ARC
Asst. EC, Payne Cty, OK ARES

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682. [aprssig] Re: What is MS150(X)-1?

From: "Ken Patterson" <kenp@etex.net>
Date: Sun, 21 Apr 2002 05:15:53 +0100
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-75525-2002.04.21-00.50.12--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Well, a according to Findu, AI5TX-7 is near MS1503-1. A look at AI5TX-7's raw packet at findu says:

```
Raw packet: KC5JAR-14>R9UT0T,AI5TX-7*,WIDE:'|PGl"?R/]"4k}TURTLE SAG MS150
BIKE RIDE
```

Looks like they are having a Multiple Sclerosis 150 Mile bike Tour in the Texas Hill Country this weekend.

See: http://www.ms150.org/

I suppose all those MSxxxx icons are trackers in sag, first aid, supply & other support vehicles.

Just my guess here. I coordinated the communications for a MS bike tour about 10 years ago. This was before the widespread use of APRS.

Just my $0.02

de Ken,
N5EQT

----- Original Message -----
From: "M. Schneider" <msokla@provalue.net>
To: "TAPR APRS Special Interest Group" <aprssig>
Sent: Sunday, April 21, 2002 05:58
Subject: [aprssig] What is MS150(X)-1?

> Anybody, especially in or around the Austin, TX area, seen or know what
the
> series of MS150(X)-1 trackers are? The are at least 6 of them that I've

> seen, MS1502-1, MS1503-1, MS1505-1.MS1506-1, MS1507-1 and MS1508-1.
> MS1507-1 actually showed on my map as being out in the Gulf of Mexico at
one
> point! There is no callsign associated with these trackers. They are
> displaying the default icon for SSID 1, the ambulance icon. Who are they
> and what are they doing? Inquiring minds want to know!
>
> Mark Schneider
> K5MAR
> Stillwater, OK ARC
> Asst. EC, Payne Cty, OK ARES
>
>
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>
>

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---

683. [aprssig] Re: What is MS150(X)-1?

From: "Ken Patterson" <kenp@etex.net>
Date: Sun, 21 Apr 2002 05:19:04 +0100
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-75533-2002.04.21-00.54.22--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Oops, I meant to say:

"Well, a according to Findu, KC5JAR-14 is near......

Sorry....

de N5EQT

----- Original Message -----
From: "Ken Patterson" <kenp@etex.net>
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Sent: Sunday, April 21, 2002 05:15
Subject: Re: [aprssig] What is MS150(X)-1?

> Well, a according to Findu, AI5TX-7 is near MS1503-1. A look at AI5TX-7's
> raw packet at findu says:
>
> Raw packet: KC5JAR-14>R9UT0T,AI5TX-7*,WIDE:'|PGl"?R/]"4k}TURTLE SAG MS150
> BIKE RIDE
>
> Looks like they are having a Multiple Sclerosis 150 Mile bike Tour in the
> Texas Hill Country this weekend.
>
> See: http://www.ms150.org/
>
> I suppose all those MSxxxx icons are trackers in sag, first aid, supply &
> other support vehicles.
>
> Just my guess here. I coordinated the communications for a MS bike tour
> about 10 years ago. This was before the widespread use of APRS.
>
> Just my $0.02
>
> de Ken,
> N5EQT
>
>
> ----- Original Message -----
> From: "M. Schneider" <msokla@provalue.net>
> To: "TAPR APRS Special Interest Group" <aprssig>
> Sent: Sunday, April 21, 2002 05:58
> Subject: [aprssig] What is MS150(X)-1?
>

```
>
> > Anybody, especially in or around the Austin, TX area, seen or know what
> the
> > series of MS150(X)-1 trackers are?  The are at least 6 of them that I've
> > seen, MS1502-1, MS1503-1, MS1505-1.MS1506-1, MS1507-1 and MS1508-1.
> > MS1507-1 actually showed on my map as being out in the Gulf of Mexico at
> one
> > point!  There is no callsign associated with these trackers.  They are
> > displaying the default icon for SSID 1, the ambulance icon.  Who are
they
> > and what are they doing?  Inquiring minds want to know!
> >
> > Mark Schneider
> > K5MAR
> > Stillwater, OK ARC
> > Asst. EC, Payne Cty, OK ARES
> >
> >
> > ---
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> >
> >
>
>
>
>


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```

---

684. [aprssig] Kenwood TH-D7A Question Position problem APRS

From: "Chris Bouck" <cbouck01@twcny.rr.com>
Date: Sun, 21 Apr 2002 06:55:35 -0400
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-75554-2002.04.21-06.28.35--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

```
Hey all,
   I have a problem maybe someone else has seen. For some reason my HT puts
me in Russia for APRS. PLEASE - yes -  I have checked my Lat/Long a dozen
times, yet I still show up in Russia.  Yes, I am on the correct position (I
am using pos 1 it has the asterisk next to it).
   Here is what I read on the screen
N 43  06.24
W 074  46.20
It reads FN23OC. So, it should put me in upstate NY (Which is where I live).
However, if I go to findu.com, I am in Russia.?????
   Does anyone have any ideas? Please respond directly to
cbouck01@twcny.rr.com
Thanks
73

Christopher L. Bouck KB4CMF
President, Ft Herkimer Amateur Radio Association, Inc.

SFC US Army (Ret)
Director, Herkimer County Veterans' Service Agency


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```

---

685. [aprssig] Linux SQL

From: "Andrew Rich" <andrew.rich@bigpond.com>
Date: Sun, 21 Apr 2002 22:17:22 +1000
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-75560-2002.04.21-07.51.13--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

```
Thanks to all who contributed.

This morning I started out not knowing anything about SQL.
```

Now I can install, and create tables with databases and retrieve
information.

Many thanks.

Andrew

Andrew Rich
Callsign: VK4TEC
andrew.rich@bigpond.com
www.users.bigpond.com/andrew.rich/vk4tec.htm

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686. [aprssig] Re: What is MS150(X)-1?

From: Mark Cheavens <mcheavens@usa.net>
Date: Sun, 21 Apr 2002 07:34:10 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-75562-2002.04.21-08.08.34--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

You are correct. These are the support vehicles for the MS150 bike ride.
The estimated number of riders this year is in the 10K range!!!!!! YES
10,000 riders! Last year was the first time we did APRS support for the
emergency vehicles. With only marginal success for a multitude of reasons.
This year we have better digipeaters and better trackers. The trackers are
all custom packages that Motorola let us use that they use for a big
marathon in Austin every year. (They were originally designed to not have
hold off and only work in a time slotted environment with ONE digi. They
modified the hardware and software this year and they are working great.

There is a command post at each end listening to both the RF and Internet
data stream for redundancy.

Mark Cheavens
KC5EVE (Sysop of AI5TX-7 digi)

At 05:15 AM 4/21/2002 +0100, you wrote:
>Well, a according to Findu, AI5TX-7 is near MS1503-1. A look at AI5TX-7's
>raw packet at findu says:
>
>Raw packet: KC5JAR-14>R9UT0T,AI5TX-7*,WIDE:'|PGl"?R/]"4k}TURTLE SAG MS150
>BIKE RIDE
>
>Looks like they are having a Multiple Sclerosis 150 Mile bike Tour in the
>Texas Hill Country this weekend.
>
>See: http://www.ms150.org/
>
>I suppose all those MSxxxx icons are trackers in sag, first aid, supply &
>other support vehicles.
>
>Just my guess here. I coordinated the communications for a MS bike tour
>about 10 years ago. This was before the widespread use of APRS.
>
>Just my $0.02
>
>de Ken,
>N5EQT

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687. [aprssig] Re: What is MS150(X)-1?

From: Mark Earle <wa2mct@mearle.com>
Date: Sun, 21 Apr 2002 08:03:49 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-75563-2002.04.21-08.38.35--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Besides MS150*, you might see KC5JAR as the Turtle, or end of race vehcile.
Also Med4* is another.

Note that they DO ID, but the id is not digi'd. I checked :)

The trackers are a using a custom micro (Moto), Moto gps engine, mag mount
gps, mag mount VHF, and a Yaesu 1500 radio. All in a metal "can" (ammo
can). Standardized connections. Quite a nice setup.

At 07:34 AM 4/21/2002 -0500, you wrote:
>You are correct. These are the support vehicles for the MS150 bike ride.
>The estimated number of riders this year is in the 10K range!!!!!! YES
>10,000 riders! Last year was the first time we did APRS support for the
>emergency vehicles. With only marginal success for a multitude of reasons.
>This year we have better digipeaters and better trackers. The trackers are
>all custom packages that Motorola let us use that they use for a big
>marathon in Austin every year. (They were originally designed to not have
>hold off and only work in a time slotted environment with ONE digi. They
>modified the hardware and software this year and they are working great.
>
>There is a command post at each end listening to both the RF and Internet
>data stream for redundancy.
>
>Mark Cheavens
>KC5EVE (Sysop of AI5TX-7 digi)
>
>At 05:15 AM 4/21/2002 +0100, you wrote:
>>Well, a according to Findu, AI5TX-7 is near MS1503-1. A look at AI5TX-7's
>>raw packet at findu says:
>>
>>Raw packet: KC5JAR-14>R9UT0T,AI5TX-7*,WIDE:'|PGl"?R/]"4k}TURTLE SAG MS150
>>BIKE RIDE
>>
>>Looks like they are having a Multiple Sclerosis 150 Mile bike Tour in the
>>Texas Hill Country this weekend.
>>
>>See: http://www.ms150.org/
>>
>>I suppose all those MSxxxx icons are trackers in sag, first aid, supply &
>>other support vehicles.
>>
>>Just my guess here. I coordinated the communications for a MS bike tour
>>about 10 years ago. This was before the widespread use of APRS.
>>
>>Just my $0.02
>>
>>de Ken,
>>N5EQT
>
>
>---
>You are currently subscribed to aprssig as: wa2mct@mearle.com
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>

```
       ) )    de WA2MCT Mark
      ( (
       ) )    You will be assimilated... oooh, coffee!!
    _|****|
   ( |    |
    `|____|   wa2mct@mearle.com
```

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688. [aprssig] RE: Kenwood TH-D7A Question Position problem APRS

From: "Josh Gould" <kc8eqa@columbus.rr.com>
Date: Sun, 21 Apr 2002 09:46:27 -0400
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-75564-2002.04.21-09.15.46--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Have you changed your west position to a negative value?

73's
Josh
KC8EQA
EN80KA

-----Original Message-----
From: bounce-aprssig-28041@lists.tapr.org
[mailto:bounce-aprssig-28041@lists.tapr.org] On Behalf Of Chris Bouck
Sent: Sunday, April 21, 2002 6:56 AM
To: TAPR APRS Special Interest Group
Subject: [aprssig] Kenwood TH-D7A Question Position problem APRS

Hey all,
I have a problem maybe someone else has seen. For some reason my HT
puts
me in Russia for APRS. PLEASE - yes - I have checked my Lat/Long a
dozen
times, yet I still show up in Russia. Yes, I am on the correct position
(I
am using pos 1 it has the asterisk next to it).
Here is what I read on the screen
N 43 06.24
W 074 46.20
It reads FN23OC. So, it should put me in upstate NY (Which is where I
live).
However, if I go to findu.com, I am in Russia.?????
Does anyone have any ideas? Please respond directly to
cbouck01@twcny.rr.com
Thanks
73

Christopher L. Bouck KB4CMF
President, Ft Herkimer Amateur Radio Association, Inc.

SFC US Army (Ret)
Director, Herkimer County Veterans' Service Agency

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689. [aprssig] ADMIN: Reply and Reply All

From: Stan Horzepa <stanzepa@earthlink.net>
Date: Sun, 21 Apr 2002 09:57:27 -0400
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-75567-2002.04.21-09.31.40--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

After experimenting with various combinations of SIG software settings, it is evident that the SIG software cannot be set up to reply to the SIG without losing the convenience of replying to the original author of a message. Therefore, the SIG software is now set up to perform as follows:

REPLY sends your reply to the originator of the message

REPLY TO ALL sends your reply to the SIG and the originator of the message

Note that I provide no guarantees how these settings will interact with the settings of your email software. However, I believe that this combination of settings will work correctly with most email software.

I appreciate your patience during the past week as I experimented with the SIG software. There is no way to experiment off-line, so you all were guinea pigs during these experiments. I apologize for that.

I consider this matter closed and off-topic on the SIG. If you wish to discuss this matter with me further, please do so directly and spare the SIG.

Thanks for your cooperation,

Stan, WA1LOU, SIG administrator

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690. [aprssig] Re: Follow-up: Radio installation in recent BMWs

From: "Bob & Janet" <jbcraft@adelphia.net>
Date: Sun, 21 Apr 2002 10:40:37 -0400
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-75581-2002.04.21-10.16.29--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

I knew it was somewhere down south...

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691. [aprssig] Findu Database?

From: Robbie Robertson <mwrobertson@attbi.com>
Date: Sun, 21 Apr 2002 10:15:27 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-75583-2002.04.21-10.49.33--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Hi,

I tracked a friend from Chicago to Branson, MO and attempted to save the track from Winaprs. To some extent, I did. But lost the part coming back.

I used two different sites on the internet to get a dump of the 32 hour trip, only to find the data would Simulate the southbound trek 3 or 4 times! then after the last relay, the north bound portion would be displayed! I edited the data by cutting the duplication and it replays fine now BTW.

Was this due to a failure or crash at findu?

Robbie

--

- Robbie Robertson -

...-.- wa9inf ...-.-

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692. [aprssig] WinAPRS and agwpe

From: "Josh Gould" <kc8eqa@columbus.rr.com>
Date: Sun, 21 Apr 2002 11:55:04 -0400
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-75585-2002.04.21-11.24.19--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

I went and downloaded the AGWPE and have configured it.. I was wondering if any one had used the soundcard to decode packets, and if so how do I make it work with WinAPRS 2.5.1?

73's
Josh
KC8EQA
EN80KA

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---

693. [aprssig] Re: What is MS150(X)-1?

From: "Guy Story, KC5GOI" <kc5goi@kc5goi.net>
Date: Sun, 21 Apr 2002 11:26:51 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-75589-2002.04.21-12.09.38--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

You will also be seeing the North Texas/Southern Oklahoma version the first weekend in May. KC5ZDG is testing some of his trackers now. APRS is going to be use but the ride also runs through an area of Oklahoma that has limited coverage due to the terain. I have added a 4 element beam to the W5NGU-3 digi in addition to the db224 antenna that it on now (swapped out the 30 watt rig for a 50 to make up for the loss of tx on the omni). It has helped firm up the path to our north east but does not cover all the area of the ride by a long shot. There are 3 digis that are in the area that should do the job nicely.

73

--
Guy Story, KC5GOI
Denton Texas
kc5goi@kc5goi.net

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---

694. [aprssig] XASTIR Bug ?

From: Neil Johnson <njohnsn@iowatelecom.net>
Date: Sun, 21 Apr 2002 11:33:05 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-75592-2002.04.21-12.18.08--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

I think I found an issue with XASTIR and compressed packets.

I'm in the process of writing test cases for APRS compressed position formats (it's for a Software Testing Class).

When I started generating test cases for symbols with overlays. I noticed that XASTIR doesn't display the DIGIT overlays.   It does seem to display Symbols with ALPHA overlays.

I checked my testcases against Ian's aprsdec.pl and it says that my packets are correct (except for complaing about the CALL SIGN).

Here are some of the packets for one symbol .

```
AT04V0*>APRS:=aPP!!TT!!A,@C                ~Symbol = AAzBox
AT04V1*>APRS:=bPP!!Tk!!A,@C                ~Symbol = AAzBox
AT04V2*>APRS:=cPP!!U'!!A,@C                ~Symbol = AAzBox
AT04V3*>APRS:=dPP!!U>!!A,@C                ~Symbol = AAzBox
AT04V4*>APRS:=ePP!!UU!!A,@C                ~Symbol = AAzBox
AT04V5*>APRS:=fPP!!Ul!!A,@C                ~Symbol = AAzBox
AT04V6*>APRS:=gPP!!V(!!A,@C                ~Symbol = AAzBox
AT04V7*>APRS:=hPP!!V?!!A,@C                ~Symbol = AAzBox
AT04V8*>APRS:=iPP!!VV!!A,@C                ~Symbol = AAzBox
AT04V9*>APRS:=jPP!!Vm!!A,@C                ~Symbol = AAzBox
AT04VA*>APRS:=APP!!W)!!A,@C                ~Symbol = AAzBox
AT04VB*>APRS:=BPP!!W@!!A,@C                ~Symbol = AAzBox
AT04VC*>APRS:=CPP!!WW!!A,@C                ~Symbol = AAzBox
AT04VD*>APRS:=DPP!!Wn!!A,@C                ~Symbol = AAzBox
AT04VE*>APRS:=EPP!!X*!!A,@C                ~Symbol = AAzBox
AT04VF*>APRS:=FPP!!XA!!A,@C                ~Symbol = AAzBox
AT04VG*>APRS:=GPP!!XX!!A,@C                ~Symbol = AAzBox
AT04VH*>APRS:=HPP!!Xo!!A,@C                ~Symbol = AAzBox
AT04VI*>APRS:=IPP!!Y+!!A,@C                ~Symbol = AAzBox
AT04VJ*>APRS:=JPP!!YB!!A,@C                ~Symbol = AAzBox
AT04VK*>APRS:=KPP!!YY!!A,@C                ~Symbol = AAzBox
AT04VL*>APRS:=LPP!!Yp!!A,@C                ~Symbol = AAzBox
```

```
AT04VM*>APRS:=MPP!!Z,!!A,@C                 ~Symbol = AAzBox
AT04VN*>APRS:=NPP!!ZC!!A,@C                 ~Symbol = AAzBox
AT04VO*>APRS:=OPP!!ZZ!!A,@C                 ~Symbol = AAzBox
AT04VP*>APRS:=PPP!!Zq!!A,@C                 ~Symbol = AAzBox
AT04VQ*>APRS:=QPP!![-!!A,@C                 ~Symbol = AAzBox
AT04VR*>APRS:=RPP!![D!!A,@C                 ~Symbol = AAzBox
AT04VS*>APRS:=SPP!![[!!A,@C                 ~Symbol = AAzBox
AT04VT*>APRS:=TPP!![r!!A,@C                 ~Symbol = AAzBox
AT04VU*>APRS:=UPP!!\.!!A,@C                 ~Symbol = AAzBox
AT04VV*>APRS:=VPP!!\E!!A,@C                 ~Symbol = AAzBox
AT04VW*>APRS:=WPP!!\\!!A,@C                 ~Symbol = AAzBox
AT04VX*>APRS:=XPP!!\s!!A,@C                 ~Symbol = AAzBox
AT04VY*>APRS:=YPP!!]/!!A,@C                 ~Symbol = AAzBox
AT04VZ*>APRS:=ZPP!!]F!!A,@C                 ~Symbol = AAzBox
```

Now back to those test cases .....

-Neil

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---

695. [aprssig] Re: WinAPRS and agwpe <LYR28261-75585-2002.04.21-11.24.19--millardj#earthlink.net@lists.tapr.org>

From: Jay Millard <millardj@earthlink.net>
Date: Sun, 21 Apr 2002 12:55:06 -0400
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-75597-2002.04.21-12.29.14--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Go to www.qsl.net/soundcardpacket/appwinaprs.htm

Then go to www.westmountainradio.com and pick up a RigBlaster.

Then have fun.

73's
Jay Millard
KD1LY

> From: "Josh Gould" <kc8eqa@columbus.rr.com>
> Reply-To: "Josh Gould" <kc8eqa@columbus.rr.com>
> Date: Sun, 21 Apr 2002 11:55:04 -0400
> To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
> Subject: [aprssig] WinAPRS and agwpe
>
> I went and downloaded the AGWPE and have configured it.. I was wondering
> if any one had used the soundcard to decode packets, and if so how do I
> make it work with WinAPRS 2.5.1?
>
> 73's
> Josh
> KC8EQA
> EN80KA
>
>
>
>
>
> ---
> You are currently subscribed to aprssig as: millardj@earthlink.net
> To unsubscribe send a blank email to leave-aprssig-842K@lists.tapr.org
> Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org
>

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---

696. [aprssig] RE: Kenwood TH-D7A Question Position problem APRS

From: "Zachary Grant Michael, KB9UQQ" <kb9uqq@kb9uqq.cjb.net>
Date: Sun, 21 Apr 2002 12:42:12 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>

Message-ID: <LYR842-75599-2002.04.21-13.16.26--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Is it possible that a local IGate that sends data to findU is using WinAPRS 2.4.6? That version had a bug in it that didn't decode Mic-E packets correctly. It was fixed in 2.4.7.
73 de kb9uqq
--
Zachary Grant Michael, KB9UQQ
http://kb9uqq.d2g.com/

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Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

---

697. [aprssig] RE: Kenwood TH-D7A Question Position problem APRS

From: "AE5PL Lists" <HamLists@ametx.com>
Date: Sun, 21 Apr 2002 13:40:35 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: <cbouck01@twcny.rr.com>
Message-ID: <LYR842-75601-2002.04.21-14.14.46--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

This is not a Mic-E translation issue. This is the Unproto field received by findu.com:

TSPV24

This translates to a latitude of 43 06.24 N, a standard message of 111, and +0 longitudinal offset EAST. The key is the 4 at the end of the unproto field which, according to the translation table on page 44 of the APRS Spec is latitude digit of 4 and a W/E indicator of east. Either you have a problem with your D7A or the position you are transmitting (marked with an asterisk) has an east longitude entered.

73,

Pete Loveall AE5PL
http://www.ae5pl.net
mailto:pete@ae5pl.net

> -----Original Message-----
> From: Chris Bouck [mailto:cbouck01@twcny.rr.com]
> Posted At: Sunday, April 21, 2002 5:57 AM
> Subject: [aprssig] Kenwood TH-D7A Question Position problem APRS
>
> I have a problem maybe someone else has seen. For some
> reason my HT puts
> me in Russia for APRS. PLEASE - yes - I have checked my
> Lat/Long a dozen
> times, yet I still show up in Russia. Yes, I am on the
> correct position (I
> am using pos 1 it has the asterisk next to it).
> Here is what I read on the screen
> N 43 06.24
> W 074 46.20
> It reads FN23OC. So, it should put me in upstate NY (Which is
> where I live).
> However, if I go to findu.com, I am in Russia.?????
> Does anyone have any ideas? Please respond directly to
> cbouck01@twcny.rr.com

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---

698. [aprssig] Re: What is MS150(X)-1?

From: "Chris Rose" <kb8uih@arrl.net>
Date: Sun, 21 Apr 2002 14:51:37 -0400
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-75602-2002.04.21-14.24.25--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Several MS walks are also going on this weekend around the country. I didn't have support for APRS at my event on Saturday in Michigan. No one else in the neighborhood has bought into the technology.

Chris
KB8UIH

----- Original Message -----
From: "Ken Patterson" <kenp@etex.net>
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Sent: Sunday, April 21, 2002 12:15 AM
Subject: [aprssig] Re: What is MS150(X)-1?

> Well, a according to Findu, AI5TX-7 is near MS1503-1. A look at AI5TX-7's
> raw packet at findu says:
>
> Raw packet: KC5JAR-14>R9UT0T,AI5TX-7*,WIDE:'|PGl"?R/]"4k}TURTLE SAG MS150
> BIKE RIDE
>
> Looks like they are having a Multiple Sclerosis 150 Mile bike Tour in the
> Texas Hill Country this weekend.
>
> See: http://www.ms150.org/
>
> I suppose all those MSxxxx icons are trackers in sag, first aid, supply &
> other support vehicles.
>
> Just my guess here. I coordinated the communications for a MS bike tour
> about 10 years ago. This was before the widespread use of APRS.
>
> Just my $0.02
>
> de Ken,
> N5EQT

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699. [aprssig] KPC3+ Status Text Question

From: "J.Duffy Beischel" <wb8nut@arrl.net>
Date: Sun, 21 Apr 2002 14:27:12
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-75603-2002.04.21-15.01.24--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

My understanding is that with the KPC3+, the Beacon Text (btext) is where one would enter what they want to show up as the "status". I have entered simply as "Duffy - www.wb8nut.com" and it never shows up in the status text of my home station or on the findu.com web site. Is my understanding wrong or am I doing something wrong?

Thanks,

Duffy

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Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

700. [aprssig] Re: KPC3+ Status Text Question

From: Earl Needham <needhame@yucca.net>
Date: Sun, 21 Apr 2002 13:31:34 -0600
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-75604-2002.04.21-15.06.27--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

At 02:27 PM 4/21/2002 +0000, J.Duffy Beischel wrote:
>My understanding is that with the KPC3+, the Beacon Text (btext) is where
>one would enter what they want to show up as the "status". I have entered
>simply as "Duffy - www.wb8nut.com" and it never shows up in the status text
>of my home station or on the findu.com web site. Is my understanding wrong
>or am I doing something wrong?

Most APRS software that I have used requires a > at the beginning of the status line or it won't show AS the status line.

```
         7 3
         Earl


Earl Needham, KD5XB, Clovis, New Mexico
KD5XB-2>APW251,PCSAT-1*:=3425.83N/10313.55W-PHG7150/WinAPRS 2.5.1
-EARL_CLOVIS -251-<630>
Did you get a letter from Nigeria offering a "deal"?  See
http://home.rica.net/alphae/419coal/ and
http://www.crimes-of-persuasion.com/Crimes/Business/nigerian.htm


---
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```

---

701. [aprssig] MS-150 on Florida's west coast

From: "Paul Knupke, Jr." <pekjr@tampabay.rr.com>
Date: Sun, 21 Apr 2002 15:39:22 -0400
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-75606-2002.04.21-15.13.42--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

```
We just are wrapping up our version of the MS-150 (Wheels to Weeki
Wachee) here on Florida's west coast.  The ride was from NW Tampa to the
Weeki Wachee Springs Water Park (about 45 miles north of Tampa.)

We again used APRS to track most of our mobile stations.

There were about 350 riders.

The course this year was new from previous.   Part of the course was
about 25-30 miles of a recreation trail which no motorized vehicles
(except for the park ranger 4x4s) were allowed on the course.  We
divided up the recreation trail into several segments and had hams on
bikes patrol about 4-5 mile segments.

APRS coverage in some spots is poor so we installed a temporary digi
about halfway between the start and end.

It did help the converge though the coverage on the north end of the
course is not that great either.

We had trackers in most of our sag and rover vehicles and net control
had APRS.

We could certainly use more standalone tracker packages to install with
some of the other support vehicles.

The event went off without too many snags.  The course had to be altered
at last minute because vehicular traffic was too heavy and many people
were driving too fast around the riders and it became a major safety
issue!  The result was the course was shortened by 13 miles in each
direction.

It was nice to have a different route than the last number of years.  It
allowed a somewhat different group of hams to participate.

Now I guess it is back to the blackboard to adjust the route and suggest
improvements.

73
Paul
N4PK

Paul E. Knupke, Jr.
Largo, FL
-----------------------------
email: pekjr@tampabay.rr.com
Amateur Radio Callsign: N4PK


---
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```

702. [aprssig] Re: What is MS150(X)-1?

```
From: "Chris Rose" <kb8uih@arrl.net>
Date: Sun, 21 Apr 2002 15:54:14 -0400
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-75607-2002.04.21-15.27.14--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain
```

```
Does anyone have pics of the setups?

Thanks,
Chris
KB8UIH
----- Original Message -----
From: "Mark Earle" <wa2mct@mearle.com>
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Sent: Sunday, April 21, 2002 9:03 AM
Subject: [aprssig] Re: What is MS150(X)-1?


> Besides MS150*, you might see KC5JAR as the Turtle, or end of race
vehcile.
> Also Med4* is another.
>
> Note that they DO ID, but the id is not digi'd. I checked :)
>
> The trackers are a using a custom micro (Moto), Moto gps engine, mag mount
> gps, mag mount VHF, and a Yaesu 1500 radio. All in a metal "can" (ammo
> can). Standardized connections. Quite a nice setup.
>



---
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```

---

703. [aprssig] Re: KPC3+ Status Text Question

```
From: Robbie Robertson <mwrobertson@attbi.com>
Date: Sun, 21 Apr 2002 15:23:32 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: TAPR APRS Special Interest Group <aprssig@lists.tapr.org>
Message-ID: <LYR842-75612-2002.04.21-15.57.43--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain
```

```
Hi Duffy,

A thought comes to mind that you need to set Beacon Every to
something like BE 10 for sending your beacon every ten
minutes..

Good Luck and 73

Robbie

"J.Duffy Beischel" wrote:
>
> My understanding is that with the KPC3+, the Beacon Text (btext) is where
> one would enter what they want to show up as the "status".  I have entered
> simply as "Duffy - www.wb8nut.com" and it never shows up in the status text
> of my home station or on the findu.com web site.  Is my understanding wrong
> or am I doing something wrong?
>
> Thanks,
>
> Duffy
>
> ---
> You are currently subscribed to aprssig as: mwrobertson@attbi.com
> To unsubscribe send a blank email to leave-aprssig-842K@lists.tapr.org
> Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

--

- Robbie Robertson -
...-.- wa9inf ...-.-

---
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```

Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

704. [aprssig] Re: KPC3+ Status Text Question

From: "Kurt O. Jauss" <kf6hjo@earthlink.net>
Date: Sun, 21 Apr 2002 13:42:03 -0700
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: TAPR APRS Special Interest Group <aprssig@lists.tapr.org>
Message-ID: <LYR842-75614-2002.04.21-16.16.16--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

To show as a status text... start with a >

J.Duffy Beischel wrote:

>My understanding is that with the KPC3+, the Beacon Text (btext) is where
>one would enter what they want to show up as the "status". I have entered
>simply as "Duffy - www.wb8nut.com" and it never shows up in the status text
>of my home station or on the findu.com web site. Is my understanding wrong
>or am I doing something wrong?
>
>Thanks,
>
>Duffy
>
>---
>You are currently subscribed to aprssig as: KF6HJO@EARTHLINK.NET
>To unsubscribe send a blank email to leave-aprssig-842K@lists.tapr.org
>Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org
>
>

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Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

705. [aprssig] Re: KPC3+ Status Text Question

From: "Chris Rose" <kb8uih@arrl.net>
Date: Sun, 21 Apr 2002 17:07:02 -0400
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-75615-2002.04.21-16.39.51--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Should something send the callsign every X minutes to properly identify the
station as well. I know this was discussed some time ago but I can't
remember what the end result was. What about if a rule must be followed for
ten minutes like voice and cw communications need to follow?

Chris
KB8UIH

----- Original Message -----
From: "Robbie Robertson" <mwrobertson@attbi.com>
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Sent: Sunday, April 21, 2002 4:23 PM
Subject: [aprssig] Re: KPC3+ Status Text Question

> Hi Duffy,
>
> A thought comes to mind that you need to set Beacon Every to
> something like BE 10 for sending your beacon every ten
> minutes..
>
> Good Luck and 73
>
> Robbie

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706. [aprssig] 2002 Dayton APRS Web Page

From: Stan Horzepa <stanzepa@earthlink.net>
Date: Sun, 21 Apr 2002 17:24:33 -0400
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-75618-2002.04.21-16.58.58--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

The Dayton Hamvention is only four weeks away. It is the biggest congregation of hams in the U.S., if not the world, and the biggest congregation of APRS users, too. As a result, there is a lot going on APRS-wise at Dayton.

So you won¹t miss a thing, there is now a new Web page (http://www.tapr.org/~wa1lou/2002/2002.html) that is intended to document APRS-related activities planned for the 2002 installment of the Hamvention.

That page lists the following APRS-related information:

>>> Forums that are APRS-related.

>>> APRS-related companies, organizations, and individuals who will be camped out at some location in the Hara Arena or in the flea market.

>>> Other APRS-related activities.

>>> A list of your APRS compatriots who are planning to go to the Hamvention.

Please email me (wa1lou@arrl.net) any additional information you may have regarding Dayton APRS activity. Here are some things I¹d like to add:

>>> Where the APRS authors will be camped out. Is WB4APR going to be at the AMSAT booth as in the past? Where will the Sproul Bros. be this year? How about the rest of you APRS authors?

>>> Is there going to be an APRS Pizza Party this year?

>>> If you are planning to go to Dayton, let me know and I will add you to the ³Who¹s going to Dayton² list.

>>> Also, regarding the information on how to APRS in Dayton. Is the information on the Web site current? If not, can somebody send me an update?

Have Fun,

Stan Horzepa, WA1LOU

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---

707. [aprssig] Re: KPC3+ Status Text Question

From: Neil Johnson <njohnsn@iowatelecom.net>
Date: Sun, 21 Apr 2002 16:16:59 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-75619-2002.04.21-17.02.05--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

On Sunday 21 April 2002 04:07 pm, Chris Rose wrote:
> Should something send the callsign every X minutes to properly identify the
> station as well. I know this was discussed some time ago but I can't
> remember what the end result was. What about if a rule must be followed
> for ten minutes like voice and cw communications need to follow?
>

No, because your call-sign should be embeded in every packet (by setting MYCALL).

>From http://dididahdahdidit.com/kpc3v8.php

```
When to transmit:
BLT 1 EVERY 00:10:00
(Transmit every 10 minutes starting now)
BLT 2 EVERY 00:29:00
(Transmit every 29 minutes starting now)
BLT 3 EVERY 01:00:00 STARTING AT 00:01:00
(Transmit every hour, starting in 1 minute, so it doesn't confict with above)
BLT 4 EVERY 01:00:00 STARTING AT 00:31:00
```

(Transmit every hour, starting in 31 minutes, so it doesn't conflict with
above)

What to transmit:

```
LT 1 !4220.47NT08826.42W#PHG6460 McHenry County EOC WIDE/R RELAY/R TRACE/R
LT 2 !4220.47NT08826.42W#PHG6460 McHenry County EOC WIDE/R RELAY/R TRACE/R
LT 3 !4220.47NT08826.42W#PHG6460 McHenry County EOC WIDE/R RELAY/R TRACE/R
LT 4 !4220.47NT08826.42W#PHG6460 McHenry County EOC WIDE/R RELAY/R TRACE/R
```

Put your lat, lon, Symbol, Radio Range, and comment in.

What path to send it:

```
LTP 1 APRS VIA WIDE
LTP 2 APRS VIA WIDE,WIDE
LTP 3 APRS VIA TRACE3-3
LTP 4 APRS VIA WIDE3-3
```

(Begin religious discussion here :)).

-Neil

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Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

---

708. [aprssig] Re: KPC3+ Status Text Question

From: Phil Reed <preed@dnaco.net>
Date: Sun, 21 Apr 2002 17:40:54 -0400
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-75621-2002.04.21-17.15.12--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Unless you've set your MYCALL parameter to something goofy, your call is in
every packet you send. You don't have to put it in the body of the packet.

At 05:07 PM 4/21/2002 -0400, Chris Rose wrote:

>Should something send the callsign every X minutes to properly identify the
>station as well. I know this was discussed some time ago but I can't
>remember what the end result was. What about if a rule must be followed for
>ten minutes like voice and cw communications need to follow?

...phil / w8sca

"For a list of all the ways technology has failed
to improve the quality of life, press 3."

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---

709. [aprssig] Re: KPC3+ Status Text Question

From: "Dave Thege" <dthege@ncfcomm.com>
Date: Sun, 21 Apr 2002 17:22:41 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-75628-2002.04.21-17.56.08--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Should change syntax to START in the BLT 3 & 4 Positions for version 8.3.
Doesn't accept STARTING AT.
Dave N0XBN
----- Original Message -----
From: "Neil Johnson" <njohnsn@iowatelecom.net>
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Sent: Sunday, April 21, 2002 4:16 PM
Subject: [aprssig] Re: KPC3+ Status Text Question

> On Sunday 21 April 2002 04:07 pm, Chris Rose wrote:
> > Should something send the callsign every X minutes to properly identify
the
> > station as well. I know this was discussed some time ago but I can't
> > remember what the end result was. What about if a rule must be followed
> > for ten minutes like voice and cw communications need to follow?
> >
>
> No, because your call-sign should be embeded in every packet (by setting

> MYCALL).
>
> >From http://dididahdahdidit.com/kpc3v8.php
>
> When to transmit:
> BLT 1 EVERY 00:10:00
> (Transmit every 10 minutes starting now)
> BLT 2 EVERY 00:29:00
> (Transmit every 29 minutes starting now)
> BLT 3 EVERY 01:00:00 STARTING AT 00:01:00
> (Transmit every hour, starting in 1 minute, so it doesn't confict with
above)
> BLT 4 EVERY 01:00:00 STARTING AT 00:31:00
> (Transmit every hour, starting in 31 minutes, so it doesn't conflict with
> above)
>
> What to transmit:
> LT 1 !4220.47NT08826.42W#PHG6460 McHenry County EOC WIDE/R RELAY/R TRACE/R
> LT 2 !4220.47NT08826.42W#PHG6460 McHenry County EOC WIDE/R RELAY/R TRACE/R
> LT 3 !4220.47NT08826.42W#PHG6460 McHenry County EOC WIDE/R RELAY/R TRACE/R
> LT 4 !4220.47NT08826.42W#PHG6460 McHenry County EOC WIDE/R RELAY/R TRACE/R
> Put your lat, lon, Symbol, Radio Range, and comment in.
>
> What path to send it:
> LTP 1 APRS VIA WIDE
> LTP 2 APRS VIA WIDE,WIDE
> LTP 3 APRS VIA TRACE3-3
> LTP 4 APRS VIA WIDE3-3
> (Begin religious discussion here :)).
>
> -Neil
>
> ---
> You are currently subscribed to aprssig as: dthege@ncfcomm.com
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710. [aprssig] Re: KPC3+ Status Text Question

From: "Cap Pennell" <cap@cruzio.com>
Date: Sun, 21 Apr 2002 15:28:33 -0700
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-75630-2002.04.21-18.02.44--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Neil Johnson wrote:
<snip>
> >From http://dididahdahdidit.com/kpc3v8.php
>
> When to transmit:
> BLT 1 EVERY 00:10:00
> (Transmit every 10 minutes starting now)
> BLT 2 EVERY 00:29:00
> (Transmit every 29 minutes starting now)
> BLT 3 EVERY 01:00:00 STARTING AT 00:01:00
> (Transmit every hour, starting in 1 minute, so it doesn't confict
> with above)
> BLT 4 EVERY 01:00:00 STARTING AT 00:31:00
> (Transmit every hour, starting in 31 minutes, so it doesn't conflict with
> above)
>
> What to transmit:
> LT 1 !4220.47NT08826.42W#PHG6460 McHenry County EOC WIDE/R RELAY/R TRACE/R
> LT 2 !4220.47NT08826.42W#PHG6460 McHenry County EOC WIDE/R RELAY/R TRACE/R
> LT 3 !4220.47NT08826.42W#PHG6460 McHenry County EOC WIDE/R RELAY/R TRACE/R
> LT 4 !4220.47NT08826.42W#PHG6460 McHenry County EOC WIDE/R RELAY/R TRACE/R
> Put your lat, lon, Symbol, Radio Range, and comment in.
>
> What path to send it:
> LTP 1 APRS VIA WIDE
> LTP 2 APRS VIA WIDE,WIDE
> LTP 3 APRS VIA TRACE3-3

> LTP 4 APRS VIA WIDE3-3
> (Begin religious discussion here :)).

Beginning. :)
Here's a "friendlier" version of the above. These settings are only for use with a _high_ WIDEn-N digi (after discussion about the need for one with other local APRS operators).

When to transmit:

```
BLT 1 EVERY 00:10:00
(Transmit every 10 minutes starting now)
BLT 2 EVERY 00:39:55
(Transmit every 39 minutes and 55 seconds starting now, APRSdos fades out a
station after 40 minutes)
BLT 3 EVERY 03:00:00 START 00:01:00
(Transmit every 3 hours, starting in 1 minute, so it doesn't confict with
above)
BLT 4 EVERY 03:00:00 START 01:31:00
(Transmit every 3 hours, starting in 1 hour and 31 minutes, so it doesn't
conflict with
above)
```

What to transmit:

```
LT 1 !4220.47NN08826.42W#PHG6460 McHenry Peak WIDEn-N
LT 2 !4220.47NN08826.42W#PHG6460 McHenry Peak WIDEn-N
LT 3 !4220.47NN08826.42W#PHG6460 McHenry Peak WIDEn-N
LT 4 !4220.47NN08826.42W#PHG6460 McHenry Peak WIDEn-N
```

Put your lat, lon, Symbol, Radio Range, and comment in (keep it short).
Note the "N" between Lat and Long only for a WIDEn-N digi.

What path to send it:

```
LTP 1 APRS
LTP 2 APRS VIA WIDE
LTP 3 APRS VIA TRACE2-2
LTP 4 APRS VIA WIDE2-2

Beacon  Every 59
BText   >High level WIDEn-N digi email: w6xxx@arrl.net
CWID    Every 0
HID     OFF
MYAlias NONE
UIDigi  ON RELAY,WIDE,TRACE
UIDWait OFF
UIFlood WIDE,34,NOID
UITrace TRACE,34
Unproto APRS
```

A regular station (not a high WIDEn-N digi) should use:

```
UIDigi ON RELAY  (if you're the only station in the "neighborhood",
otherwise use UIDigi OFF)
UIDWait OFF
UIFlood %
UITrace %
```

Remember what you set for MYRemote and RText!! Or else!! hi hi

73, Cap KE6AFE

P.S. You can make a text file to feed into the digi, even remotely. Here's one for the fictional W6XXX WIDEn-N digi that you can edit for your own high WIDEn-N digi.

W6XXX-3.txt

```
-------------cut-here-------------
INTface  TERMINAL
BText    >APRS digi on Wilder Ridge/SARC/<w6xxx@arrl.net>
Beacon   EVERY 59
BLT 1    EVERY 00:09:59
BLT 2    EVERY 00:39:58
BLT 3    EVERY 03:00:04 START 00:00:05
BLT 4    EVERY 03:00:05 START 01:30:05
CD       SOFTWARE
CHeck    30
CMSG     PBBS
CONOK    ON
CText    No operator here now; Connecting you to the W6XXX-1 PBBS...
```

```
CWID     EVERY 0
DIGIpeat ON
DWait    9
HID      OFF
LT 1     !3348.57NN12203.41W#PHG5230/A=003380/Wilder Ridge, W of Simpson
LT 2     !3348.57NN12203.41W#PHG5230/A=003380/Wilder Ridge, W of Simpson
LT 3     !3348.57NN12203.41W#PHG5230/A=003380/Wilder Ridge, W of Simpson
LT 4     !3348.57NN12203.41W#PHG5230/A=003380/Wilder Ridge, W of Simpson
LTP 1    APRS
LTP 2    APRS VIA WIDE
LTP 3    APRS VIA WIDE2-2
LTP 4    APRS VIA TRACE2-2
MYcall   W6XXX-3
MYAlias  W6XXX-12
MYNode   W6XXX-7
MYPbbs   W6XXX-1
MYRemote W6XXX-2
NEwmode  ON
NText    NODE for APRS or emergency use only. Otherwise, disconnect now.
NUMNodes 1
Paclen   0
PASSAll  OFF
PText    SARC's W6XXX-1 APRS mailbox! APRS related messages ONLY please.
RText    Your Secret Phrase goes Here
TXDelay  30
Unproto  APRS
UIdigi   ON RELAY,WIDE,TRACE,CA    (CA is the two-letter state abbreviation;
use your own)
UIDWait  OFF
UIFlood  WIDE,34,NOID
UITrace  TRACE,34
----------------cut-here----------------
```

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711. [aprssig] Re: KPC3+ Status Text Question

From: "John Becker" <molou@big-river.net>
Date: Sun, 21 Apr 2002 17:57:43 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-75631-2002.04.21-18.32.12--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Now I'm so confused I can't remember how to trun it on.

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---

712. [aprssig] OnStar

From: Rick Edwards <threepalms@earthlink.net>
Date: Sun, 21 Apr 2002 15:59:09 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-75632-2002.04.21-18.35.16--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

A few weeks ago there was a discussion on this list regarding using the
OnStar GPS engine for APRS purposes.

I did not read the outcome of the messages...somehow I missed it.

Is there a way to get NMEA RMC and GGA data from an OnStar GPS engine?

Any information would be greatly appreciated.

73 de K6TVI - Rick

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713. [aprssig] Re: KPC3+ Status Text Question

From: "Germino" <mgermino@inreach.com>
Date: Sun, 21 Apr 2002 15:59:42 -0700
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-75633-2002.04.21-18.36.40--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Did you set your UNPROTO path?

UNPROTO APRS via WIDE,WIDE

Mike
73,AD6AA

Subject: [aprssig] KPC3+ Status Text Question

> My understanding is that with the KPC3+, the Beacon Text (btext) is where
> one would enter what they want to show up as the "status". I have entered
> simply as "Duffy - www.wb8nut.com" and it never shows up in the status
text
> of my home station or on the findu.com web site. Is my understanding
wrong
> or am I doing something wrong?
>
> Thanks,
>
> Duffy
>

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Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

714. [aprssig] REF: 2002 Dayton APRS Web Page

From: Matthew Stennett <WA4TKG@attbi.com>
Date: Sun, 21 Apr 2002 20:47:34 -0400
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: TAPR APRS Special Interest Group <aprssig@lists.tapr.org>
Message-ID: <LYR842-75638-2002.04.21-20.21.44--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Of course we (people of the SIG) will be EXPECTING a FULL report
of any new APRS toys that may arise.

Stan Horzepa wrote:

> The Dayton Hamvention is only four weeks away. It is the biggest
> congregation of hams in the U.S., if not the world, and the biggest
> congregation of APRS users, too. As a result, there is a lot going on
> APRS-wise at Dayton.

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715. [aprssig] Re: Radio installation in recent BMWs

From: David Rush <david@davidarush.com>
Date: Sun, 21 Apr 2002 21:12:04 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-75651-2002.04.21-21.46.19--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

```
On Wed, 17 Apr 2002 22:38:42 -0400
Gregg Martell <gmartell@pobox.com> wrote:

> My previous boss was a Brit (best boss I ever had, btw) and his opinion
> about British cars was that they were really well designed for getting you
> from point A to point B.  Going from point B back to A was the problem!!

And to that comment, my wife (a Brit) replied "yeah, but there's usually a train...".

David

---
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```

716. [aprssig] EMWin & AGWPE?

From: RMckni8527@aol.com
Date: Sun, 21 Apr 2002 22:20:17 EDT
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-75652-2002.04.21-21.54.36--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

```
Any AGW guru's know if it's possible to decode EMWin 9600 baud with AGWPE and
a sound card?  Is there an EMWin list somewhere?

73's
Ray - WB3ABN
Kingston, WA

---
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```

717. [aprssig] Re: KPC3+ Status Text Question

From: "J.Duffy Beischel" <wb8nut@arrl.net>
Date: Sun, 21 Apr 2002 21:34:27
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-75657-2002.04.21-22.08.37--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

```
Thanks for all the replies and the config suggestions.  From what I read my
only problem may have been not putting an ">" in front of the text.  I made
that change, now we'll see if it works.

Duffy

---
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```

718. [aprssig] Re: What is MS150(X)-1?

From: "James Marple" <j.marple@verizon.net>
Date: Sun, 21 Apr 2002 22:8:47
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-75672-2002.04.21-22.42.59--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

```
Guy,

I think we may have two more portable digi's via. KC5LOS and W5GDC. I may
have an eyeball meeting Friday for the APRS folks for the MS150. I'll keep
you posted.  73

KB5ZDG
j.marple@verizon.net

---
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```

719. [aprssig] Need suggestion on which TNC?

From: Shanon Lee Herron <ka8spw@comcast.net>
Date: Sun, 21 Apr 2002 23:16:18 -0400
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-75675-2002.04.21-22.51.13--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Hello Group,

I am new to the list and this is my first post. Sorry if this has been asked and answered before. If so, please direct me where to find it.

I am an experienced packet user. I want to put APRS in my panel van. I already have a TM-742 installed with 144-220-440 and don't want to touch it for APRS, I need the voice capabilities. I have three antenna's on the roof evenly spaced, one for each band. 144 up front, 220 in the middle, 440 rear. I will replace the rear antenna with a dual band and a diplexer.

My goal is to use the setup as a APRS station and be able to switch it to normal packet when needed for an activation of RACES/ARES/ARPSC. Using the laptop with the GPS and a map CD on long trips also needed. I want to use the APRS with and without the laptop on.

I have a Garmin 50 all the cables and an external amplified antenna.

I have a Alinco DR-1200 to use for APRS.

I have a laptop to use, PI-120 with CD and Floppy, 1 serial port, 800x600. Newer one coming.

I have a KPC-2 but I want to upgrade. Then the KPC-2 will be used later for a APRS-Digi.

* So I am asking which TNC and why? KPC3+ or PicoPacket with dual serial port?

* Also which program(s) for the laptop?

I am located in Southeast Michigan, 15 miles west of Detroit

Thanks, Shanon KA8SPW

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---

720. [aprssig] Re: Need suggestion on which TNC?

From: KC7ZRU - Tate <kc7zru@arrl.net>
Date: Sun, 21 Apr 2002 21:42:17 -0600
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-75680-2002.04.21-23.16.31--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

KPC3+ W/V8.3 firmware - easy answer. The virtual serial port on the radio port to avoid any 'HSP' gotchyas is a god send.

Allows you the choice to use or not use your laptop and still function as a tracker. When the laptop is up, all functions and ops are as 'normal' - just exit your software (runs the 'restore.tnc' script or equal), unplug the serial cable and voila - KPC runs as a tracker just fine.

One idea, to quickly enable 'SmartBeaconing' is to use a TinyTrak-II for your tracker and then the TNC of your choice for your laptop. Setup a dedicated tracking radio, like an old HT.

Laptop? What OS? The iron you mention there would handle WinAPRS with some tweekage.

Windows - APRS+
Linux - xastir

Good luck!

73

```
Shanon Lee Herron wrote:
>
> Hello Group,
>

>
> * So I am asking which TNC and why?  KPC3+ or PicoPacket with dual serial
> port?
>
> * Also which program(s) for the laptop?
>

--
              Casper, WY    |    CARC Repeater
                DN62tt      |      146.940
        "The Dungeon" online at http://go.to/kc7zru
            "RTFM" is NOT a 'four letter' word!

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```

721. [aprssig] Re: REF: 2002 Dayton APRS Web Page

From: Matthew Stennett <WA4TKG@attbi.com>
Date: Mon, 22 Apr 2002 00:19:04 -0400
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-75681-2002.04.21-23.53.13--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

```
*You MAY recall SOMEONE divulging the (@ the time) CLASSIFIED INFORMATION
of a certain Kenwood D7A after said individual attended the " Tokyo Ham
Fair "; 1997
was it?
Signed:

007

Stan Horzepa wrote:

> QSL Matt.
>
> 73,
>
> Stan, WA1LOU
>
> On 04/21/02 19:47, "Matthew Stennett" <WA4TKG@attbi.com> wrote:
>
> > Of course we (people of the SIG) will be EXPECTING a FULL report
> > of any new APRS toys that may arise.
> >
> > Stan Horzepa wrote:
> >
> >> The Dayton Hamvention is only four weeks away. It is the biggest
> >> congregation of hams in the U.S., if not the world, and the biggest
> >> congregation of APRS users, too. As a result, there is a lot going on
> >> APRS-wise at Dayton.
> >


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```

722. [aprssig] Re: REF: 2002 Dayton APRS Web Page

From: Wally Foster <wfoster@hsc.usc.edu>
Date: Sun, 21 Apr 2002 21:57:13 -0700
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: TAPR APRS Special Interest Group <aprssig@lists.tapr.org>
Message-ID: <LYR842-75711-2002.04.22-00.32.39--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

```
Seems like some of the 'devotees' may actually GO to Dayton, too..

Matthew Stennett wrote:

> *You MAY recall SOMEONE divulging the (@ the time) CLASSIFIED INFORMATION
```

> of a certain Kenwood D7A after said individual attended the " Tokyo Ham
> Fair "; 1997
> was it?
> Signed:
>
> 007
>
> Stan Horzepa wrote:
>
> > QSL Matt.
> >
> > 73,
> >
> > Stan, WA1LOU
> >
> > On 04/21/02 19:47, "Matthew Stennett" <WA4TKG@attbi.com> wrote:
> >
> > > Of course we (people of the SIG) will be EXPECTING a FULL report
> > > of any new APRS toys that may arise.
> > >
> > > Stan Horzepa wrote:
> > >
> > >> The Dayton Hamvention is only four weeks away. It is the biggest
> > >> congregation of hams in the U.S., if not the world, and the biggest
> > >> congregation of APRS users, too. As a result, there is a lot going on
> > >> APRS-wise at Dayton.
> > >
>
> ---
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> To unsubscribe send a blank email to leave-aprssig-842K@lists.tapr.org
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723. [aprssig] APRS Pizza

From: James Smith <k9apr@tawg.org>
Date: Mon, 22 Apr 2002 01:07:27 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-75717-2002.04.22-01.42.58--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Hi all,

Well Stan mentioned, if they're was going to be a APRS Pizza Party. I'll
let the voting begin, I haven't had much time to schedule it yet but if
the vote is high I'll go ahead and get the ball rolling. I have, caught
a fair amount of heat from some that don't like the Marion's Pizza
location. I have a comment, but I'll keep it to myself unless you want
to hear it. So please vote directly to me if want to have get together
at Dayton 2002.

--
73, James, K9APR
Chairman\Coordinator
Tri-State APRS Working Group
http://www.tawg.org
mailto:k9apr@tawg.org
Run a APRS Site? Why not join the APRS Webring
http://www.tawg.org/join.htm

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Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

724. [aprssig] Re: KPC3+ Status Text Question

From: "J.Duffy Beischel" <wb8nut@arrl.net>
Date: Mon, 22 Apr 2002 6:36:11
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-75745-2002.04.22-07.10.25--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Yes, the little ">" in front of the text did the trick.

Thanks,

Duffy

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To unsubscribe send a blank email to leave-aprssig-842K@lists.tapr.org
Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

---

725. [aprssig] Re: Need suggestion on which TNC?

From: "J.Duffy Beischel" <wb8nut@arrl.net>
Date: Mon, 22 Apr 2002 8:25:57
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-75751-2002.04.22-09.00.22--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

I just set up a Kantronics KPC3+ this weekend. The dual serial ports with HPC cable makes it easy to connect a laptop. I do not have a laptop connected however.

The nice thing about the KPC3+ is that you can remotely connect to the KPC from your home station to reconfigure the TNC's parameters. All the other trackers require that you to disconnect the TNC or interface to reprogram.

I would also suggest UIView32 for software on a Windows computer and not WinAPRS. UIView is actively supported and updated and is only about $15. WinAPRS has not been touched in a number of years and has a much higher registration fee.

Duffy - WB8NUT

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Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

---

726. [aprssig] GPS to be jammed in Alaska

From: Earl Needham <needhame@yucca.net>
Date: Mon, 22 Apr 2002 07:27:39 -0600
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-75753-2002.04.22-09.02.13--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

From AVflash 8.17a

>Air Force may jam GPS signals Tuesday through Friday in Alaska...

Further from their web site at http://avweb.com/n/?17a&otf

>Alaskan pilots better brush up on their VOR work. From Tuesday through
>Friday, the Air Force will be trying to jam GPS signals in the area of the
>Big Delta vortac. In case they're successful, the tests could disrupt GPS
>signals in a 310-nm area. The Air Force hasn't officially notified Alaskan
>pilots but AOPA found out about it and has been spreading the word. Pilots
>who encounter GPS interruptions are encouraged to report them to ATC or
>flight service and monitor 121.5...

No further info, as to why, how long, etc...

7 3
Earl

Earl Needham, KD5XB, Clovis, New Mexico
KD5XB-2>APW251,PCSAT-1*:=3425.83N/10313.55W-PHG7150/WinAPRS 2.5.1
-EARL_CLOVIS -251-<630>
Did you get a letter from Nigeria offering a "deal"? See
http://home.rica.net/alphae/419coal/ and
http://www.crimes-of-persuasion.com/Crimes/Business/nigerian.htm

---
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727. [aprssig] WinAPRS and updates

From: Earl Needham <needhame@yucca.net>
Date: Mon, 22 Apr 2002 07:35:38 -0600
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-75755-2002.04.22-09.10.24--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

```
At 08:25 AM 4/22/2002 +0000, J.Duffy Beischel wrote:
><snip>
>I would also suggest UIView32 for software on a Windows computer and not
>WinAPRS. UIView is actively supported and updated and is only about $15.
>WinAPRS has not been touched in a number of years and has a much higher
>registration fee.

         If you consider "less than a year" to be the same as "a number of
years" then you're correct.  The latest WinAPRS.exe is dated May 16, 2001.

         7 3
         Earl


Earl Needham, KD5XB, Clovis, New Mexico
KD5XB-2>APW251,PCSAT-1*:=3425.83N/10313.55W-PHG7150/WinAPRS 2.5.1
-EARL_CLOVIS -251-<630>
Did you get a letter from Nigeria offering a "deal"?  See
http://home.rica.net/alphae/419coal/ and
http://www.crimes-of-persuasion.com/Crimes/Business/nigerian.htm



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```

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728. [aprssig] Re: D700 in Jeep Cherokee

From: "Don Rankins" <n2zwo@hotmail.com>
Date: Mon, 22 Apr 2002 13:51:30 +0000
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-75758-2002.04.22-09.25.45--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

```
Allan,
     yep. I have a D700 in my Jeep Cherokee. I mounted the face plate on the
dash just a bit right of the steering wheel. The Garmin GPS III is dash
mounted (using velcro) to the right of the face plate. The main TX/RX unit
is mounted to the left of the passenger seat and hangs from the lower part
of the dash. Passengers have no had any complaints. The antenna is a Larsen
dual bander magnet mount. I ran the coax under the seats through to the back
hatch where they exit through the weather stripping on the top of the hatch
door between the hinges.
     It works quite well and I still had room to install an ICOM 706 MKII
for HF operations!

Don Rankins N2ZWO
EC/RO Herkimer County ARES/RACES
ASM Herkimer, Otsego, and Delaware Cos.


----Original Message Follows----
From: "Sadowski, Allan" <allan.sadowski@ncshp.org>
Reply-To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Subject: [aprssig] D700 in Jeep Cherokee
Date: Fri, 19 Apr 2002 11:48:55 -0400

Anyone here done the above... how/where did they mount... and what kinds of
power and antenna arrangements did they do...  I'd also like to hear of any
working GPS arrangement that uses a GARMIN GPS to display reported
positions...

TNX in advance

---
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```

Don Rankins N2ZWO
Emergency Coordinator/Radio Officer
Herkimer County ARES/RACES

phone 315-894-5501
fax 315-894-3621

1435 Elizabethtown Road
Ilion, NY 13357

____
Get your FREE download of MSN Explorer at http://explorer.msn.com/intl.asp.

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---

729. [aprssig] RE: WinAPRS and updates

From: <henk.de.groot@hetnet.nl>
Date: Mon, 22 Apr 2002 17:08:09 +0200
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-75766-2002.04.22-10.37.33--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

From: "Earl Needham" <needhame@yucca.net>
> If you consider "less than a year" to be the same as "a number of
> years" then you're correct. The latest WinAPRS.exe is dated May 16, 2001.

The major drawback of UIview is lack of support for vector maps like Win/MacAPRS's .map format or the very efficient PocketAPRS format and lack of zooming (related). If Roger could fix that then I think a lot more people will switch.

I myself am using Xastir which has everthing you can dream off and doesn't cost a penny (but requires a Unix flavour machine currently (including Mac OSx/Darwin)).

Kind regards,

Henk.

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---

730. [aprssig] AM I DIGIPEATING?

From: Kenneth Cechura <kcechura@umr.edu>
Date: Mon, 22 Apr 2002 10:04:43 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-75767-2002.04.22-10.39.13--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

well, i have loaded a bunch of settings into the kpc9612 as a digi... is it working? if not, i get to take it apart and trace the port1 traces... like i said, i got a deal on it :) might just be an incomplete trace, it THINKS it's transmitting on occasion... oh, the call it is set up for is w0eee-7.

thanks
Ken

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---

731. [aprssig] Response and another question

From: "Sadowski, Allan" <allan.sadowski@ncshp.org>
Date: Mon, 22 Apr 2002 11:27:27 -0400
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-75768-2002.04.22-10.51.34--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Thank you everyone who responded to my question about a D700 for a Jeep
Cherokee Sport....

An unrelated question (but still on topic)...

I have a "group" of hams who want to get on APRS... but they are "balking"
at the per user cost... for a licensed copy. The kicker is they don't want
to use DOS - nor Linux (despite the multitude of advantages of Linux)...

SO... I'd appreciate feedback from the group on an APRS software "package"
that runs on Win95 (my fingers are curling)... and is low cost... in
particular there is a desire for a "group license"...

The Hams are in eastern NC (a big APRS hole if you plot all the APRS
"traffic")... and this would go a long way towards filling this "hole"...

They are not likely to be day to day users... but rather their focus is
during "unusual occurrances"... in particular this will be software that
operates in County and District Emergency Management "Command Centers"
during drills, tests, and emergencies. Despite not being day to day
users... they have played with it enough to know that they do not want to
re-enter the parameters for the no-$$$ way of using the software... and have
"hinted" that if the cost was lower... they'd buy in....

I'll tell you how bad it is... we're working on donated PC's - with donated
TNC's - homebrew antenas - and borrowed rigs....

Thanks for the assistance...

ALOHA
AH6LS

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732. [aprssig] Re: Response and another question

From: Earl Needham <needhame@yucca.net>
Date: Mon, 22 Apr 2002 09:28:42 -0600
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-75769-2002.04.22-11.03.18--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

At 11:27 AM 4/22/2002 -0400, Sadowski, Allan wrote:
>Thank you everyone who responded to my question about a D700 for a Jeep
>Cherokee Sport....
>
>An unrelated question (but still on topic)...
>
>I have a "group" of hams who want to get on APRS... but they are "balking"
>at the per user cost... for a licensed copy. The kicker is they don't want
>to use DOS - nor Linux (despite the multitude of advantages of Linux)...
>
>SO... I'd appreciate feedback from the group on an APRS software "package"
>that runs on Win95 (my fingers are curling)... and is low cost... in
>particular there is a desire for a "group license"...

UI-View32 works pretty well, but will not "zoom" maps, although it
does give you features that aren't available in other APRS
software. Registration is 10 pounds (UK).

Check it out at http://www.UI-View.com

7 3
Earl

Earl Needham, KD5XB, Clovis, New Mexico
KD5XB-2>APW251,PCSAT-1*:=3425.83N/10313.55W-PHG7150/WinAPRS 2.5.1
-EARL_CLOVIS -251-<630>
Did you get a letter from Nigeria offering a "deal"? See
http://home.rica.net/alphae/419coal/ and
http://www.crimes-of-persuasion.com/Crimes/Business/nigerian.htm

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---

733. [aprssig] Re: D700 in Jeep Cherokee

From: "Randy Allen - KA□AZs" <ka0azs@commkey.net>
Date: Mon, 22 Apr 2002 11:39:36 -0400
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: allan.sadowski@ncshp.org
Message-ID: <LYR842-75770-2002.04.22-11.13.56--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Allan and the list

I've got a 2001 Cherokee. The D700 Control head is mounted above the rear view mirror. No problems with direct sunlight washing out the display, easy access from driver and passenger side, and not very visible from outside the vehicle. It's on the standard Kenwood quick release mount, so easy to pull out.

Cable runs above the sunshades and down along the drivers side dash, under the moulding to where the radio body is mounted under the back seat.

Power cables from the battery, through a grommet near the steering column, under the moulding to the radio.

GPS is a GPSII+ mounted on the dash using the Garmin mount. Good sattellite view, and easy to remove. Data and power run down the dash and along the center console back under the rear seat. I have power on a T-splice from the power feed to the radio. In the summer, I put up a sunshade which protects the GPS from prying eyes as well as sunlight.

Mic cord runs up along the center console. I've got remote speakers mounted at each side of the front dash to provide audio seperation.

I have a serial cable permanently attached to the radio routed along the center console as well, so I don't have to dig under the seat to hook up a laptop to run APRS software or the Kenwood radio software.

I put an old floor mat that more or less matches the interior color over the wires.

Antena mount is a Comet "SUV/Van" adjustable mount with a PL-259 connector mounted on rear hatch. Very adjustable to get the antenna at a verticle angle. It's down far enough so that my Comet Z-750 antenna barely clears the garage door. For cross country or "boonie" events, I replace it with my Comet SBB-7.

Now to get around to building the keyboard interface!

Hope this helps

73

Randy Allen, KA□AZS
Asst. EC Montgomery CO Ohio
OH Dist. 3 ARES Web Page:
www.qsl.net/ohd3ares/

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734. [aprssig] No Flames Please

From: "Sadowski, Allan" <allan.sadowski@ncshp.org>
Date: Mon, 22 Apr 2002 11:56:17 -0400
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-75772-2002.04.22-11.20.24--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

First... thanks to the many responses in just a few minutes concerning possible directions on the lower cost APRS software... I'll pass on the potential opportunites to those running this show..

As an aside... and again... please don't get your panties in a wad.... an interesting conversation that transpired a couple of weeks ago that some of you here might get a "chuckle" over - some big wigs in the Emergency Management arena were asking questions (be warned... if your State EM folks aren't being kept informed... they may think the same)...

Extract:

Get this... one of his last process improvement efforts before he went to

[DELETED} was to entertain the thought of having the FCC shut down all Hams
(like WWI and WWII) during national emergencies... because of how terrorists
could use ham radios to communicate between terrorists
!!!!!!!!!!!!!!!!!!!!!!!!!!

My response...
#1 FCC is not in a position to monitor the use of vast parts of spectrum
that terrorists might use
#2 Hams are in a much better position (based on numbers and self appointed
freq cops we have (snicker)) to both monitor the freqs and DF on "intruders"
#3 It doesn't address CB, cellphone, business band etc use (which are still
too much for FCC to monitor)
#4 It would eliminate a very useful group of support personnel that EM and
local Public Safety officials could call upon...

Jeez... the stupidity and insanity never ends....

And remember this..... commenting here on the SIG does nothing about the
above thoughts... it's actively working as RACES and ARES staff - that
proves that we can help...

Now... why do we have both RACES and ARES.... I haven't a clue...

ALOHA
AH6LS

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735. [aprssig] ARES & RACES

From: "James Fuller" <n7vmr@fuller.net>
Date: Mon, 22 Apr 2002 10:31:02 -0600
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-75781-2002.04.22-12.04.58--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Hi Allen,

>>Now... why do we have both RACES and ARES.... I haven't a clue...

We have RACES and ARES just for the reason you indicated in your email:-)
If the President invokes the communications portion of the "War Powers Act"
and
has Amateur Radio Communications suspended, ARES can not longer function.
However, stations that are RACES registered can. The RACES program is a FEMA
program for communications assistance even in time of war.

The point many Amateur operators forget is we SHARE most of our frequencies
with the
US Government. While Amateur Operations are curtailed, certain frequencies
are authorized
for FEMA/RACES use in the Amateur Radio Bands. Rules for RACES exist under
FCC Regulations,
FEMA Regulations, and NITA Regulations.

This is one of the reasons we push dual registrations.

ARES allows us to practice and assist when communications are free and open.
RACES allows us to continue to assist when communications are restricted.

FEMA has an interest in the information that can be provided during an
emergency.
They would be open to allowing limited APRS use during a communications shut
down,
based on the situation.

Jim Fuller
N7VMR
Montana Section Emergency Coordinator
International Gateways Robot Operator

-----Original Message-----
From: bounce-aprssig-28678@lists.tapr.org
[mailto:bounce-aprssig-28678@lists.tapr.org]On Behalf Of Sadowski, Allan
Sent: Monday, April 22, 2002 9:56 AM

To: TAPR APRS Special Interest Group
Subject: [aprssig] No Flames Please

Now... why do we have both RACES and ARES.... I haven't a clue...

ALOHA
AH6LS

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736. [aprssig] re: EMWin & AGWPE?

From: Ralph Milnes <milnes1@rcn.com>
Date: Mon, 22 Apr 2002 12:47:24 -0400
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-75782-2002.04.22-12.21.34--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Ray asked:

>Any AGW guru's know if it's possible to decode EMWin 9600 baud with AGWPE and
>a sound card? Is there an EMWin list somewhere?

I've never heard of anyone doing it.

I'm not sure what the modulation scheme is for EMWin. If it's not AX.25
packet and typical packet tones, then AGWPE doesn't know how to handle it.
If it is, then you'd need an application to tie into AGWPE to interpret the
data, and I've never heard of such an application.

Sorry.

Ralph KC2RLM

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737. [aprssig] OT: philly

From: wes@johnston.net
Date: Mon, 22 Apr 2002 10:13:48 -0700 (PDT)
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-75783-2002.04.22-12.48.07--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Can someone in Philly, PA, please private email me about aprs activity there?
Will I have good coverage with my HT and 5w or do I need a more robust tracker?
Will probably be staying in horsham area. Hoping to set up a station in the
hotel room w/o having to bounce packets off the kenwood in the car. Also,
anyone know of any hotels which have internet access on site? Eyeballs would
be nice too since I'm going to be there for a while.

Thanks!
Wes

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---

738. [aprssig] Re: 2002 Dayton APRS Web Page

From: "Phil Pacier, AD6NH" <ad6nh@arrl.net>
Date: Mon, 22 Apr 2002 12:28:54
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-75785-2002.04.22-13.03.10--lyris.aprssig#tapr.org@lists.tapr.org>

Rendered body type: text/plain

```
I will set up a javaAPRS monitoring page of the Dayton area similar to what
I did for the Baker to Vegas race.  I'll do it this week, and it will be
available at www.ahubca.net/dayton.asp

Phil Pacier - AD6NH
www.ahubca.net
ahubca.net APRS IS Server
port 2023 - World
port 14579 - CA State

---
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```

739. [aprssig] Ahubca.net addition

From: "Phil Pacier, AD6NH" <ad6nh@arrl.net>
Date: Mon, 22 Apr 2002 12:33:33
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-75786-2002.04.22-13.07.47--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

```
I have decided to open up port 23 for the worldwide feed on ahubca.net to
serve users who are at work or otherwise behind a firewall and cannot
connect to port 2023.  I will test this for one week to see how it works.
If you are behind a firewall for some reason, you may now connect to
ahubca.net port 23 for the worldwide feed.  Let me know if you encounter
any problems.  Thank you and enjoy!

Phil Pacier - AD6NH
www.ahubca.net
ahubca.net APRS IS Server
ports 2023 & 23 - world feed
port 14579 - CA State feed

---
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```

740. [aprssig] Re: EMWin & AGWPE?

From: dale huguley <kg5qd@earthlink.net>
Date: Mon, 22 Apr 2002 13:33:33 -0400
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: TAPR APRS Special Interest Group <aprssig@lists.tapr.org>
Message-ID: <LYR842-75787-2002.04.22-13.08.08--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

```
Hi All

Ralph Milnes wrote:

> Ray asked:
>
>> Any AGW guru's know if it's possible to decode EMWin 9600 baud with
>> AGWPE and
>> a sound card?  Is there an EMWin list somewhere?


there is an emwin users group on yahoo "emwin-users" yahoogroups.com


> I've never heard of anyone doing it.
>
> I'm not sure what the modulation scheme is for EMWin. If it's not AX.25
> packet and typical packet tones, then AGWPE doesn't know how to handle
> it. If it is, then you'd need an application to tie into AGWPE to
> interpret the data, and I've never heard of such an application.
>

According to which data stream you at talking about- Satellite, 9600
baud terrestial, 1200 terrestrial- The 1200 baud output we use in
Southwest Florida has the same shift as 1200 baud packet/aprs. It uses a
1106 byte "packet" with no bit shifting/stuffing etc.  At some very
basic level AGWPE has to be converting the tones to characters, before
it is built into a ax.25 packet.  If anyone has found a soundcard driver
for EMWIN 1200 baud please let me know.
```

73 de kg5qd Dale

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741. [aprssig] RE: AM I DIGIPEATING?

From: "Kevin Brown" <kbrown@powerhouseproductions.com>
Date: Mon, 22 Apr 2002 12:43:57 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-75790-2002.04.22-13.20.01--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

I haven't seen your station in Jefferson City.

-----Original Message-----
From: bounce-aprssig-20679@lists.tapr.org
[mailto:bounce-aprssig-20679@lists.tapr.org] On Behalf Of Kenneth
Cechura
Sent: Monday, April 22, 2002 10:05 AM
To: TAPR APRS Special Interest Group
Subject: [aprssig] AM I DIGIPEATING?

well, i have loaded a bunch of settings into the kpc9612 as a digi...
is
it working? if not, i get to take it apart and trace the port1
traces... like i said, i got a deal on it :) might just be an
incomplete trace, it THINKS it's transmitting on occasion... oh, the
call it is set up for is w0eee-7.

thanks
Ken

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742. [aprssig] Re: GPS to be jammed in Alaska

From: "Kody D. Moore" <jmoore@ideafamilies.org>
Date: Mon, 22 Apr 2002 12:58:21
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-75792-2002.04.22-13.32.32--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

www.aop.org

VFR, IFR ops may be affected by GPS jamming in Alaska

Apr. 17 � AOPA has learned that the Air Force will be conducting training exercises next week that may result in unreliable GPS signal coverage. The exercises will take place from 11 a.m. to 1:30 p.m. local time, April 23 through 26. Despite earlier reports that the GPS interference would encompass up to a 310-nm area, spot jamming will affect a much smaller area, centered around the Big Delta vortac. Although notification of the upcoming GPS interference has not been officially released to Alaskan pilots, Air Force officials have told AOPA that they are working to provide better coordination and dissemination of future GPS interferences in Alaska. Typically, pilots are provided several weeks' advance notice of GPS jamming. Pilots who encounter GPS signal outage are encouraged to report it to ATC or Flight Service and monitor the guard frequency on 121.5. Stay tuned to notams and the Special Use Airspace Information Service (SUAIS) for additional details prior to flight.

73 Kody

```
---
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```

---

743. [aprssig] RE: WinAPRS and updates

```
From: "J.Duffy Beischel" <wb8nut@arrl.net>
Date: Mon, 22 Apr 2002 13:17:21
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-75805-2002.04.22-13.51.34--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain
```

```
I agree that mapping with UIView is not as good as WinAPRS.  But then
again, you can no longer purchase the mapping software that works with
WinAPRS...at least I believe that is still the case.

If I recall, there has been at least three or four updates to UIView in the
past year including Roger developing a telemetry decoder for PC-SAT which
was a plug-in module to the existing program.

I would also love a dynamic interface to a mapping program with UI-View.
But then again, for $15 bucks, he not getting rich on developing the
program.

Duffy

---
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744. [aprssig] Re: KPC3+ Status Text Question

```
From: Bob Bruninga <bruninga@usna.edu>
Date: Mon, 22 Apr 2002 15:47:38 -0400 (EDT)
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: TAPR APRS Special Interest Group <aprssig@lists.tapr.org>
Message-ID: <LYR842-75811-2002.04.22-15.21.54--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain
```

```
On Sun, 21 Apr 2002, J.Duffy Beischel wrote:

> My understanding is that with the KPC3+, the Beacon Text (btext) is where
> one would enter what they want to show up as the "status".  I have entered
> simply as "Duffy - www.wb8nut.com" and it never shows up in the status text
> of my home station or on the findu.com web site.  Is my understanding wrong
> or am I doing something wrong?

To be a status, it should begin with the caharacter ">".  APRSdos assums
anything that is not otherwise parsable is a status, but not all software
does that...

> > Thanks,
>
> Duffy
>
> ---
> You are currently subscribed to aprssig as: bruninga@usna.edu
> To unsubscribe send a blank email to leave-aprssig-842K@lists.tapr.org
> Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org
>

de WB4APR@amsat.org, Bob

PCsat WEB  page     http://www.ew.usna.edu/~bruninga/pcsat.html
ISS-APRS FAQ:       http://www.ew.usna.edu/~bruninga/iss-faq.html
CUBESAT Designs     http://www.ew.usna.edu/~bruninga/cubesat.html
APRS LIVE pages     http://www.ew.usna.edu/~bruninga/aprs.html
APRS SATELLITES     http://www.ew.usna.edu/~bruninga/astars.html
MIM/Mic-E/Mic-Lite  http://www.toad.net/~wclement/bruninga/mic-lite.html


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```

745. [aprssig] Re: REF: 2002 Dayton APRS Web Page

From: Bob Bruninga <bruninga@usna.edu>
Date: Mon, 22 Apr 2002 16:02:41 -0400 (EDT)
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: TAPR APRS Special Interest Group <aprssig@lists.tapr.org>
Message-ID: <LYR842-75815-2002.04.22-15.36.54--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

On Sun, 21 Apr 2002, Matthew Stennett wrote:

> Of course we (people of the SIG) will be EXPECTING a FULL report
> of any new APRS toys that may arise.

I'd like to see a Bulletin Board (probably on the edge of the APRS booth) where we can put SPACE numbers of any good deals on APRS related things.

Remember, that the location of the APRS booth has CHANGED this year. We will have 3 booths all to ourselves.. Mike Musick made the arrangemnets and so he will be making a post eventually as to where to find us.

But if you see something neat about APRS, jot down the space location so others can find it...
bob

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---

746. [aprssig] REF: 2002 Dayton APRS Web Page

From: Matthew Stennett <WA4TKG@attbi.com>
Date: Mon, 22 Apr 2002 16:06:35 -0400
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: TAPR APRS Special Interest Group <aprssig@lists.tapr.org>
Message-ID: <LYR842-75818-2002.04.22-15.40.54--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

" Rogja'; and Over " (Buggs Bunny voice)

Bob Bruninga wrote:

> On Sun, 21 Apr 2002, Matthew Stennett wrote:
>
> > Of course we (people of the SIG) will be EXPECTING a FULL report
> > of any new APRS toys that may arise.
>
> I'd like to see a Bulletin Board (probably on the edge of the APRS
> booth) where we can put SPACE numbers of any good deals on APRS related
> things.
>
> Remember, that the location of the APRS booth has CHANGED this year. We
> will have 3 booths all to ourselves.. Mike Musick made the arrangemnets
> and so he will be making a post eventually as to where to find us.
>
> But if you see something neat about APRS, jot down the space location so
> others can find it...
> bob

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---

747. [aprssig] Re: APRS Pizza

From: Bob Bruninga <bruninga@usna.edu>
Date: Mon, 22 Apr 2002 16:18:31 -0400 (EDT)
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: TAPR APRS Special Interest Group <aprssig@lists.tapr.org>
Message-ID: <LYR842-75819-2002.04.22-15.52.49--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

On Mon, 22 Apr 2002, James Smith wrote:

> ...if the vote is high I'll go ahead and get the ball rolling. I have,
> caught a fair amount of heat from some that don't like the Marion's

> Pizza location... So please vote directly to me if want to have get
> together at Dayton 2002.

Compared to the alternatives (total overwhelming of Dayton eateries that weekend and impossible to find a meeting place), Marion's seems OK to me. Yes, I heard one person say he didnt like the Pizza, but it seems like most people like it... and the pizza there is refreshingly different.

In favor
1) Its a known location, a tradition, easy to find
2) Its pay-as-you-go so no one has to buy Pizza just to attend the meeting.
3) Any change is a lot of (usually thankless) work for someone
4) Any change will cause 10% of us to never find the new place...
5) Any change will probably result in just as many complaints if not more

Just my 2 cents.
de WB4APR, Bob

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---

748. [aprssig] Neat item at RS

From: "Mike Yetsko" <myetsko@insydesw.com>
Date: Mon, 22 Apr 2002 17:21:30 -0400
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>,
"TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-75828-2002.04.22-16.56.08--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

OK, it's a bit off topic, but then, maybe not

About 4 years ago I converted a lot of things to the 2.5mm headset that is the 'standard' for phones. Like my Gold Wing. I now have a 2.5mm jack for my 2M radio on the bike.

I sent off a letter to some contacts at RS about it, and they were interested. I made mention that they should offer a LOT of things that use this 'standard' for a headset/mic combo. I wasn't sure they really listened but I guess they did.

Then around Christmas of this year, I found a small box at RS that plugs into your PC sound card and lets you use the 2.5mm headset/mic with your PC sound system.

Then just today I spot ANOTHER item at RS. A PTT interface for the HTX-202 (and ICOM and others...) that plugs in to the HTs with the two jacks. And you plug in the 2.5mm headset/mic. For $15.

Now this last one is really neat, especially if you're doing public service
with your HT. (Oh, RS is 'closing out the 'bike helmet' hands free VOX mic kit for $3 right now. I bought 3 of them. And while I know they fit the 'Ranger' FRS radios and others, I don't know yet if they will fit and operate on the HTX-202 type interface yet. Gotta try...)

I KNEW the 2.5mm headset/mic could be a neat 'standard'...

Mike

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749. [aprssig] Re: APRS Pizza

From: Ralph Fowler <rwf@mindspring.com>
Date: Mon, 22 Apr 2002 16:50:04 -0400
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-75831-2002.04.22-17.15.10--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

```
I agree with Bob.
I am replying here because many might not vote if they don't think anyone
else is.
Marion's is great with me.
I just wish they had sweet tea!  <Southern Boy Grin>

Unless you find a good BBQ place (another Southern Boy Ralph Grin)



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750. [aprssig] Re: 2002 Dayton APRS Web Page

From: Jon Anhold <jon@snoopy.net>
Date: Mon, 22 Apr 2002 18:22:37 -0400
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-75836-2002.04.22-17.47.41--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

```
We, the OhioAPRS folks (Cleveland IGATE, third.aprs.net, etc) will be in
the flea market again this year. To find out how you can find us to come
say hi, look here:

        http://ohioaprs.net/dayton.php

-j

Previously, Stan Horzepa (stanzepa@earthlink.net) wrote:
> The Dayton Hamvention is only four weeks away. It is the biggest
> congregation of hams in the U.S., if not the world, and the biggest
> congregation of APRS users, too. As a result, there is a lot going on
> APRS-wise at Dayton.
>
> So you won¹t miss a thing, there is now a new Web page
> (http://www.tapr.org/~wa1lou/2002/2002.html) that is intended to document
> APRS-related activities planned for the 2002 installment of the Hamvention.
>
> That page lists the following APRS-related information:
>
> >>> Forums that are APRS-related.
>
> >>> APRS-related companies, organizations, and individuals who will be camped
> out at some location in the Hara Arena or in the flea market.
>
> >>> Other APRS-related activities.
>
> >>> A list of your APRS compatriots who are planning to go to the Hamvention.
>
> Please email me (wa1lou@arrl.net) any additional information you may have
> regarding Dayton APRS activity. Here are some things I¹d like to add:
>
> >>> Where the APRS authors will be camped out. Is WB4APR going to be at the
> AMSAT booth as in the past? Where will the Sproul Bros. be this year? How about
> the rest of you APRS authors?
>
> >>> Is there going to be an APRS Pizza Party this year?
>
> >>> If you are planning to go to Dayton, let me know and I will add you to the
> ³Who¹s going to Dayton² list.
>
> >>> Also, regarding the information on how to APRS in Dayton. Is the information
> on the Web site current? If not, can somebody send me an update?
>
> Have Fun,
>
> Stan Horzepa, WA1LOU
>
>
> ---
> You are currently subscribed to aprssig as: jon@snoopy.net
> To unsubscribe send a blank email to leave-aprssig-842K@lists.tapr.org
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>

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751. [aprssig] Re: Need suggestion on which TNC? <LYR28867-75680-2002.04.21-23.16.31--ka8spw#comcast.net@lists.tapr.org>

From: Shanon Lee Herron <ka8spw@comcast.net>
Date: Mon, 22 Apr 2002 18:36:48 -0400
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-75837-2002.04.22-18.11.49--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Hello Tate,

Would I be able to use this setup under APRS while tooling around with the laptop and send/receive the short messages like I see others sending? Compaq LTE 5000 series laptop is running windows 98 with 16 meg of memory, looking for more now. Also wouldn't be against buying another laptop. Best Buy has a nice HP in this weeks flyer for $999.

This is the first I have heard of a virtual serial port. Can you tell me more?

In the mean time I will download the APRS+ software and look to see if I can download the manual on the KPC3+.

Thanks for the reply Tate, Please reply to list, others have also shown interest.

73, Shanon

-----Original Message-----
Sent: Sunday, April 21, 2002 11:42 PM
To: TAPR APRS Special Interest Group
Subject: [aprssig] Re: Need suggestion on which TNC?

KPC3+ W/V8.3 firmware - easy answer. The virtual serial port on the radio port to avoid any 'HSP' gotchyas is a god send.

Allows you the choice to use or not use your laptop and still function as a tracker. When the laptop is up, all functions and ops are as 'normal' - just exit your software (runs the 'restore.tnc' script or equal), unplug the serial cable and voila - KPC runs as a tracker just fine.

One idea, to quickly enable 'SmartBeaconing' is to use a TinyTrak-II for your tracker and then the TNC of your choice for your laptop. Setup a dedicated tracking radio, like an old HT.

Laptop? What OS? The iron you mention there would handle WinAPRS with some tweekage.

Windows - APRS+
Linux - xastir

Good luck!

73

Shanon Lee Herron wrote:
>
> Hello Group,
>
> * So I am asking which TNC and why? KPC3+ or PicoPacket with dual serial port?
>
> * Also which program(s) for the laptop?

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752. [aprssig] re: pizza

From: Wally Foster <wfoster@hsc.usc.edu>
Date: Mon, 22 Apr 2002 16:44:12 -0700
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>

Message-ID: <LYR842-75841-2002.04.22-19.18.33--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

```
Ralph wrote:
Unless you find a good BBQ place (another Southern Boy Ralph Grin)

That only serves Coca Cola..



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753. [aprssig] Re: WinAPRS and updates

From: "Chris Rose" <kb8uih@arrl.net>
Date: Mon, 22 Apr 2002 19:57:57 -0400
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-75843-2002.04.22-19.30.43--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

```
Is the UI view good for all around for APRS and not just a digi program?
What maps does it interface with?

TNX,
Chris
KB8UIH

----- Original Message -----
From: "Earl Needham" <needhame@yucca.net>
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Sent: Monday, April 22, 2002 9:35 AM
Subject: [aprssig] WinAPRS and updates


> At 08:25 AM 4/22/2002 +0000, J.Duffy Beischel wrote:
> ><snip>
> >I would also suggest UIView32 for software on a Windows computer and not
> >WinAPRS. UIView is actively supported and updated and is only about $15.
> >WinAPRS has not been touched in a number of years and has a much higher
> >registration fee.
>
>          If you consider "less than a year" to be the same as "a number of
> years" then you're correct.  The latest WinAPRS.exe is dated May 16, 2001.
>
>          7 3
>          Earl




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754. [aprssig] Re: WinAPRS and updates

From: Earl Needham <needhame@yucca.net>
Date: Mon, 22 Apr 2002 18:03:17 -0600
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-75844-2002.04.22-19.37.42--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

```
At 07:57 PM 4/22/2002 -0400, Chris Rose wrote:
>Is the UI view good for all around for APRS and not just a digi program?
>What maps does it interface with?

         UI-View IS a good program for APRS, as it includes messaging as
well as plotting on a map.  The program comes with a few maps, but the nice
thing about it is that it also comes with a utility to create your own maps
from Street Atlas.  It won't "zoom" the maps, but you can create a map to
cover almost any area you would want.  take a look at the "freebie" and try
it a bit and you can register it if you like it.  See it at
http://www.packetradio.org.uk

         7 3
         Earl


Earl Needham, KD5XB, Clovis, New Mexico
```

KD5XB-2>APW251,PCSAT-1*:=3425.83N/10313.55W-PHG7150/WinAPRS 2.5.1
-EARL_CLOVIS -251-<630>
Did you get a letter from Nigeria offering a "deal"? See
http://home.rica.net/alphae/419coal/ and
http://www.crimes-of-persuasion.com/Crimes/Business/nigerian.htm

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755. [aprssig] digi and... need to find KPC9612 owner

From: Ken Cechura <kcechura@umr.edu>
Date: Mon, 22 Apr 2002 19:04:45 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-75845-2002.04.22-19.39.16--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

W0EEE should be digipeating.... KC0CZI- let me know if i need change any settings if im causing problems with your area.

If anyone has a KPC9612 PLUS, i need a favor, i need either a) a schematic, but i would rather have some digital photos of the top and bottom of the board near the port 1 XMIT LED.... this is where the trace was blown off by kantronics, and replaced with a wire, im willing to bet that the resistor and diode that are floating in that area need to be connected....maybe not, but im trying to troubleshoot the hardware here....

thanks
Ken

```
      ///////////////////////////////////////////////////////
     //        Kenneth R. Cechura, KC9UMR                //
    //             kcechura@umr.edu                     //
   //           President, W0EEE, 2002                 //
  // University of Missouri-Rolla Amateur Radio Club  //
//////////////////////////////////////////////////////
```

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756. [aprssig] Re: Need suggestion on which TNC? ..

From: WA8LMF2@aol.com
Date: Mon, 22 Apr 2002 20:07:24 EDT
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-75846-2002.04.22-19.43.07--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

In a message dated 4/22/2002 3:39:31 PM Pacific Daylight Time, ka8spw@comcast.net writes:

> Would I be able to use this setup under APRS while tooling around with the
> laptop and send/receive the short messages like I see others sending?
> Compaq LTE 5000 series laptop is running windows 98 with 16 meg of memory,

If you mean using a Windows-based APRS program along with a mapping program of some sort you need an absolute minimum of 64MB!

Win98 alone, before you even load a program, needs 15-20MB meaning that you are already exceeding your available RAM and are forcing Windows to use hard disk space as virtual memory. This works but since access to the HDD is measured in milliseconds compared to nanoseconds for the "real" RAM (i.e. millions of times slower), the system slows way way down.

The traditional guidelines are that Win95 barely runs in 16MB and flies in 32; for Win98 double that to 32 minimum, preferably 64.

> This is the first I have heard of a virtual serial port. Can you tell me
> more?

Many new machines now HAVE NO SERIAL PORTS at all; only the all-purpose USB connector. To connect "classic" serial devices such as a ham TNC, you have to use a USB-to-serial converter cable (widely available for $25-$50). The software driver for these devices create a "virtual" serial port with a COMn

```
identity that you can then tell serial-port-using programs to use.

The other usage of the term "virtual serial port" refers to the second serial
port implemented on the KPC3+ TNC for connecting a GPS device while a
computer occupies the main TNC serial port.  This second port which is
actually a single bit input of the KPC3 cpu (not a hardware UART) is created
purely in firmware by the KPC3+ ROM,  and is strictly a 4800 baud 8-N-1 input
for a GPS.  Without this second port, you have to improvise a hardware
"kludge" to connect a GPS and a computer to the TNC at the same time.

Stephen H. Smith                   wa8lmf @ aol.com
Home Page:                         http://members.aol.com/wa8lmf
Ham Radio/Mobile SSTV page:        http://members.aol.com/wa8lmf/ham
APRS Stuff                         http://members.aol.com/wa8lmf/aprs
----------------------------------------------------------------------
|    Radio Communications Systems       Personal Computers
|                Consulting and Systems Integration
|    GPS Custom Mapping    &     Radio Coverage Surveys
|    File Conversions       MS-Windows Setups       VISCII Fonts
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757. [aprssig] Re: 2002 Dayton APRS Web Page

From: "Phil Pacier, AD6NH" <ad6nh@arrl.net>
Date: Mon, 22 Apr 2002 19:11:17
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-75849-2002.04.22-19.45.51--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

```
I see there is already a java server page for Hamvention monitoring, so I
don't need to do one.  Excellent!  Enjoy

Phil Pacier - AD6NH
www.ahubca.net

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```

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758. [aprssig] Re: WinAPRS and updates

From: Earl Needham <needhame@yucca.net>
Date: Mon, 22 Apr 2002 18:12:35 -0600
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-75850-2002.04.22-19.47.39--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

```
Oops, gave the wrong link -- try http://www.UI-View.com

         7 3
         Earl


Earl Needham, KD5XB, Clovis, New Mexico
KD5XB-2>APW251,PCSAT-1*:=3425.83N/10313.55W-PHG7150/WinAPRS 2.5.1
-EARL_CLOVIS -251-<630>
Did you get a letter from Nigeria offering a "deal"?  See
http://home.rica.net/alphae/419coal/ and
http://www.crimes-of-persuasion.com/Crimes/Business/nigerian.htm


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```

---

759. [aprssig] Port 23 now available on ahubca.net world feed

From: "Phil Pacier, AD6NH" <ad6nh@arrl.net>
Date: Mon, 22 Apr 2002 19:13:30
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-75851-2002.04.22-19.49.07--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

I have decided to open up port 23 for the worldwide feed on ahubca.net to
serve users who are at work or otherwise behind a firewall and cannot
connect to port 2023. I will test this for one week to see how it works.
If you are behind a firewall for some reason, you may now connect to
ahubca.net port 23 for the worldwide feed. Let me know if you encounter
any problems. Thank you and enjoy!

Phil Pacier - AD6NH
www.ahubca.net
ahubca.net APRS IS Server
ports 2023 & 23 - world feed
port 14579 - CA State feed

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---

760. [aprssig] 2002 Dayton APRS Web Page

From: "Dave Sloan" <desloan@earthlink.net>
Date: Mon, 22 Apr 2002 18:21:23 -0600
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: <stanzepa@earthlink.net>
Message-ID: <LYR842-75855-2002.04.22-19.59.32--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

1st I'll vote for Pizza at Marrion's. However since this will be my first
Dayton when will this be and where is Marrion's located?

2nd STAN I will be at Dayton for all three days N0EOP Dave

3rd Is there a frequency or repeater that the APRS group uses at Dayton?

See everyone there! Really looking forward to this.

73
Dave N0EOP

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---

761. [aprssig] Re: WinAPRS and updates -- Maps for UI-View

From: WA8LMF2@aol.com
Date: Mon, 22 Apr 2002 20:27:28 EDT
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-75856-2002.04.22-20.02.53--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

In a message dated 4/22/2002 4:58:02 PM Pacific Daylight Time,
kb8uih@arrl.net writes:

> Is the UI view good for all around for APRS

It's a full featured APRS program with mapping, igate functions, messaging,
TNC support including the AGW Packet Engine soundcard software TNC.

> and not just a digi program?
> What maps does it interface with?
>

It doesn't "interface" directly with any. You have to supply it bitmap
graphic images in GIF, PNG or JPG format of maps produced by other
applications, along with a configuration file that identifies the lat/long
of the upper left and lower right corners of the map image.

Two auxilliary programs are available for use with UI-View. One, SA Map
Grabber, which comes with UI-View32, will do screen caps of Street Atlas USA
maps and automatically generate the corresponding cal file.
The other, MapTool will fetch and save a map from the Mapblast website
(the same type you see on Findu) along with a matching cal file. You tell
Maptool what lat/long the center should be and how many miles across; it then
automatically sends the request over your Internet connection to Mapblast,
retrieves and previews the map in your web browser, and then saves it. The
Mapblast website can produce maps for ANYWHERE in the world so if you need
maps for non-US areas, this is a valuble tool.

The third (big bucks) appoach is to use UI-View's add-on UI-Point that will

let it plot positions on Microsoft's MapPoint program. This is a fully
scalable and zoomable vector-based mapping program similar to Delorme Street
Atlas but much more expensive and much more sluggish and resource-hogging.
One attraction of MapPoint is that it includes street-level detail in Canada
as well as the U.S. and major roads in Mexico. Another neat feature is the
ability to switch it's display from the usual flat roadmap- type display to a
textured raised-relief-looking physical map presentation.
    WARNING: You need a lot of memory (recommended minimum 128MB) and
processor horsepower (400MHz or greater) to do this though since you need to
run THREE programs at once: UI-View32, the UI-Point "glue application" AND
the powerhog MapPoint.

```
Stephen H. Smith                   wa8lmf @ aol.com
Home Page:                         http://members.aol.com/wa8lmf
Ham Radio/Mobile SSTV page:        http://members.aol.com/wa8lmf/ham
APRS Stuff                         http://members.aol.com/wa8lmf/aprs
----------------------------------------------------------------------
|    Radio Communications Systems       Personal Computers
|                Consulting and Systems Integration
|    GPS Custom Mapping    &     Radio Coverage Surveys
|    File Conversions       MS-Windows Setups       VISCII Fonts
----------------------------------------------------------------------
```

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---

762. [aprssig] TH-D7a(G) advice

From: "Bud Talbot" <kb9wvg@arrl.net>
Date: Mon, 22 Apr 2002 20:38:5
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-75863-2002.04.22-21.12.23--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

OK- I'm finally going to break down and buy a TH-D7a(G) at Dayton this
year. I have a garmin emap that I use in the truck with my mobile 50W APRS
setup. Has anybody used the emap with the D7? I like the idea of having a
mapping gps avaiable for use with the D7. Hopefully, the HT will output
stations as waypoints for display on the emap screen? I think I read this
somewhere.

I'd like to use the HT for aprs on my bike, as well as while hiking. Any
other thoughts about aftermarket antennas and extra batteries? Any advice
would be great.

73
Bud Talbot
KB9WVG

---
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---

763. [aprssig] TNC onboard ISS

From: "John Becker" <molou@big-river.net>
Date: Mon, 22 Apr 2002 20:52:28 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-75868-2002.04.22-21.32.34--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Is there a way to turn off the mailbox ?

Seems on the last pass of the evening WL7LZ
connected to it and because of retries blocked just
about everyone else from having a chance to use the
digipearter to post their APRS location.

John, W0JAB

---
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764. [aprssig] re: pizza

From: "Jason Rausch" <ke4nyv@msn.com>
Date: Mon, 22 Apr 2002 21:10:23
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-75869-2002.04.22-21.44.36--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

I could go for BBQ. Actually I'm just glad I get to go to Dayton thos year
with APRS in hand!
73's
Jason KE4NYV
www.ke4nyv.com

---
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765. [aprssig] Re: TH-D7a(G) advice

From: "Jason Rausch" <ke4nyv@msn.com>
Date: Mon, 22 Apr 2002 21:14:27
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-75870-2002.04.22-21.48.38--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

How about a HamHUD II? Check out www.hamhud.net or see mine on my site.
73's
Jason KE4NYV
www.ke4nyv.com

---
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766. [aprssig] Re: TH-D7a(G) advice

From: Phil Reed <preed@dnaco.net>
Date: Mon, 22 Apr 2002 22:14:45 -0400
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-75871-2002.04.22-21.56.05--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

>
>I'd like to use the HT for aprs on my bike, as well as while hiking. Any
\>other thoughts about aftermarket antennas and extra batteries? Any advice
\>would be great.

I purchased the Pryme long whip, and I'm very pleased with it's performance. Be aware that you don't want to change antennas often. The Kenwood uses an SMA connection for the antenna, and while it gives good performance at UHF, it doesn't like having the center pin twisted in and out (which is what happens with screw-on antennas). I've heard reports of the connector failing after 100 insertions.

As for batteries, I bought one from Mr. Nicad (or whatever he's calling himself now that works well. Don't use the belt clip on the batteries. Spring for the case.

---

...phil / w8sca

"For a list of all the ways technology has failed
to improve the quality of life, press 3."

---
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767. [aprssig] Re: APRS Pizza

From: "Jason Rausch" <ke4nyv@msn.com>
Date: Mon, 22 Apr 2002 21:38:19
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-75872-2002.04.22-22.12.31--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

I was suprised to hear discussion about this. I had emailed someone (can't remember who right now) and he told me the that the pizza meeting had died out several years ago, so I thought this wasn't even in anyone's heads.
I'm all for it. As long as I can find the place, guess I better break out one of the Garmins. Long/Lat anybody? :o)

Personally, I'm trying to pack in as much stuff at Dayton as I can, more the better, no complaints here.

73's
Jason KE4NYV
www.ke4nyv.com
<neener>Proud HamHUD II user</neener> (Thankx Tate!)

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---

768. [aprssig] Pizza

From: Carl Taylor <carltt@bellsouth.net>
Date: Mon, 22 Apr 2002 22:51:10 -0400
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-75873-2002.04.22-22.25.17--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

In my opinion, Marion's pizza wins the prize for the world's worst pizza...

The noise level is so high, a lot of folks can not hear what is going on....

We have got to be able to find someplace better.....

Carl Taylor   W9ZGU   Hollywood, FL

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---

769. [aprssig] REF: APRS Pizza Fest

From: Matthew Stennett <WA4TKG@attbi.com>
Date: Mon, 22 Apr 2002 23:00:09 -0400
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: TAPR APRS Special Interest Group <aprssig@lists.tapr.org>
Message-ID: <LYR842-75874-2002.04.22-22.34.25--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

I'm SURE someone will spot it on the screen,
for those people having a hard time finding it.
After all; that's what all this stuff is FOR; 'eh ? (Canadian accent)

Jason Rausch wrote:

> I'm all for it. As long as I can find the place, guess I better break out
> one of the Garmins. Long/Lat anybody? :o)
>

> 73
> Jason KE4NYV
> www.ke4nyv.com

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---

770. [aprssig] DIGI and IGATE ?

From: Neil Johnson <njohnsn@iowatelecom.net>
Date: Mon, 22 Apr 2002 21:50:06 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-75875-2002.04.22-22.36.52--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Having just completed resurrecting a boat anchor server with Linux, I was
wondering if it was possible to run an igate using aprsd and still have my
KPC3+ act as a digipeater ?

Thnx.

-Neil Johnson

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---

771. [aprssig] Re: APRS Pizza

From: Larry McDavid <lmcdavid@lmceng.com>
Date: Mon, 22 Apr 2002 20:03:45 -0700
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: TAPR APRS Special Interest Group <aprssig@lists.tapr.org>
Message-ID: <LYR842-75877-2002.04.22-22.38.04--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Ralph Fowler wrote: Marion's is great with me.

Guys, there is no perfect place. Marion's is close and they have
non-pizza food available. It surely is not easy to reserve anywhere in
Dayton during the Hamvention. If Marion's will have us again, I vote for
it.
--
Best wishes,

Larry McDavid W6FUB
Anaheim, CA (20 miles southeast of Los Angeles, near Disneyland)

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---

772. [aprssig] RE: Pizza

From: "Frank Kostelac" <n7zev@earthlink.net>
Date: Mon, 22 Apr 2002 21:09:10 -0700
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-75878-2002.04.22-22.45.23--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Someplace with a sound system not a bullhorn.
Frank

-----Original Message-----
From: bounce-aprssig-20836@lists.tapr.org
[mailto:bounce-aprssig-20836@lists.tapr.org]On Behalf Of Carl Taylor
Sent: Monday, April 22, 2002 7:51 PM
To: TAPR APRS Special Interest Group
Subject: [aprssig] Pizza

In my opinion, Marion's pizza wins the prize for the world's worst pizza...

The noise level is so high, a lot of folks can not hear what is going on....

We have got to be able to find someplace better.....

Carl Taylor   W9ZGU   Hollywood, FL

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773. [aprssig] Re: DIGI and IGATE ?

From: Bob Nielsen <nielsen@oz.net>
Date: Mon, 22 Apr 2002 20:27:51 -0700
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-75879-2002.04.22-23.02.09--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

On Mon, Apr 22, 2002 at 09:50:06PM -0500, Neil Johnson wrote:
>
> Having just completed resurrecting a boat anchor server with Linux, I was
> wondering if it was possible to run an igate using aprsd and still have my
> KPC3+ act as a digipeater ?

I think the KPC3+ will work as a regular TNC and as a digi at the same
time. Or you could run the KPC3+ in KISS mode, set Linux up to handle
the AX.25 stuff and run both aprsd and aprsdigi.

Bob, N7XY

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774. [aprssig] Re: Pizza

From: "Bill Kearns" <billk@inland.net>
Date: Mon, 22 Apr 2002 20:30:11 -0700
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-75880-2002.04.22-23.04.18--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

> In my opinion, Marion's pizza wins the prize for the world's worst
pizza...

i agree on the bad pizza....

maybe we can meet there,,,
simply lock the door..
and order and have delivered in some decent pizza.

bk

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---

775. [aprssig] Re: Pizza

From: "Jason Rausch" <ke4nyv@msn.com>
Date: Mon, 22 Apr 2002 23:16:25
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-75884-2002.04.22-23.50.39--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Hey, if they have meatball subs, I say we might have a winner there :o)

73's
Jason KE4NYV
www.ke4nyv.com

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---

776. [aprssig] Re: Need suggestion on which TNC?

From: KC7ZRU - Tate <kc7zru@arrl.net>
Date: Mon, 22 Apr 2002 22:36:55 -0600
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-75891-2002.04.23-00.11.12--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Hi Shannon,

Answer to your first question is 'yes'.

The KPC3+ has one, real serial port and a radio port. With the V8.3
firmware, some of the pins on the radio port can be used to receive
serial data from a GPS receiver - a 'virtual' 2nd serial port. The
firmware has the commands so you can select what NMEA sentence you want
to use, how often to send it out, what paths to send it via etc.

The real serial port is then free for you to use for 'conventional'
connections. Hook up your laptop, use software, do normal connected mode
packet - whatever you want. When you're done - just ensure the KPC's
settings are correct, un-hook the serial cable and let 'er be. One
'dumb' tracker back in operation.

The manual on the KPC site will give more detail

73

Shanon Lee Herron wrote:
>
> Hello Tate,
>
>   Would I be able to use this setup under APRS while tooling around with the
> laptop and send/receive the short messages like I see others sending?
>
> This is the first I have heard of a virtual serial port. Can you tell me
> more?
>

---
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777. [aprssig] Re: DIGI and IGATE ?

From: KC7ZRU - Tate <kc7zru@arrl.net>
Date: Mon, 22 Apr 2002 22:41:22 -0600
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-75892-2002.04.23-00.15.42--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Oh yea,

I do it all the time here. Just setup the KPC's parameters to be the
digi you want it to be - then serial connect apsrd to do the
server/I-gate role. Works well.

One thing, I'd limit what extra stuff aprsd sends out over the air -
maybe just leave the BTEXT in the TNC - up to you.

73

Neil Johnson wrote:
>
> Having just completed resurrecting a boat anchor server with Linux, I was
> wondering if it was possible to run an igate using aprsd and still have my
> KPC3+ act as a digipeater ?
>
> Thnx.
>
> -Neil Johnson
>
> ---
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--
```
              Casper, WY    |    CARC Repeater
                DN62tt      |      146.940
        "The Dungeon" online at http://go.to/kc7zru
            "RTFM" is NOT a 'four letter' word!
```

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778. [aprssig] Re: Need suggestion on which TNC?

From: Skip <sallison@megsinet.net>
Date: Tue, 23 Apr 2002 00:01:43 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-75897-2002.04.23-00.36.29--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

"J.Duffy Beischel" wrote:
>
> I just set up a Kantronics KPC3+ this weekend. The dual serial ports with
> HPC cable makes it easy to connect a laptop. I do not have a laptop
> connected however.

What is an HPC cable? Do you mean HSP? You don't need an HSP cable or
anything special with the KPC3+. Just connect the GPS Rx to the radio
port and the laptop to the regular RS232 port.

Skip
K9SA

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779. [aprssig] Re: WinAPRS and updates

From: Skip <sallison@megsinet.net>
Date: Tue, 23 Apr 2002 00:04:52 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-75899-2002.04.23-00.39.34--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Earl Needham wrote:
>
> At 08:25 AM 4/22/2002 +0000, J.Duffy Beischel wrote:
> ><snip>
> >I would also suggest UIView32 for software on a Windows computer and not
> >WinAPRS. UIView is actively supported and updated and is only about $15.
> >WinAPRS has not been touched in a number of years and has a much higher
> >registration fee.
>
> If you consider "less than a year" to be the same as "a number of
> years" then you're correct. The latest WinAPRS.exe is dated May 16, 2001.

But the PM maps are 4 or 5 years old and out of date. There are also
still things in WinAPRS that have been broken for years - like DF.

Skip
K9SA

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780. [aprssig] APRS Pizza

From: James Smith <k9apr@tawg.org>
Date: Tue, 23 Apr 2002 04:45:48 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-75919-2002.04.23-05.21.06--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Okay, the voting so far has been 30 in favor of Marion's. And 2 not in
favor so far. So, I will go ahead set the arrangements up this afternoon
for Saturday, May 18th at Marion's Pizza. I will look into a different
meeting place for next yr. I have chatted to some of my co-workers that
work out of the Dayton terminal for my company. And we might be able to
do it there which it will be even closer to hara arena. And I was also
told that if you want a good place you have to book at least 6 months in
advance. I will agree Marion's is loud, but this is something that we
just have to deal with.

Thanks to those that had positive feed back, and I'll posted more
information as I get it.

Also flyers will be available at the APRS booth for anyone else that
might be interested in joining us.

--
73, James, K9APR

Chairman\Coordinator
Tri-State APRS Working Group
http://www.tawg.org
mailto:k9apr@tawg.org
Run a APRS Site? Why not join the APRS Webring
http://www.tawg.org/join.htm

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781. [aprssig] Re: WinAPRS and updates

From: "Rich Garcia" <k4gps@bellsouth.net>
Date: Tue, 23 Apr 2002 06:09:06 -0400
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-75920-2002.04.23-05.43.33--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Maybe 3-4 years out of date but better than the alternatives that we have
for maps.

I like other versions of APRS myself at times but I always go back to
WinAPRS due to the ability to use
PMap. Maybe some roads are not on there but all of the ones I care about
are, so what if there is a new road,
at least we know within a block or two where the station is.

I also like MacAPRS which is the same as WinAPRS but I never use it since I
would need to revert back to the
original low res maps. And yes I know we can make better maps but we can't
come close to PM in the way of landmarks
and other map features.

If we ever could have Pmap type maps in Xastir or MacAPRS "Billy Boy" would
be out of this house!

Rich

-----Original Message-----
From: bounce-aprssig-19959@lists.tapr.org
[mailto:bounce-aprssig-19959@lists.tapr.org]On Behalf Of Skip
Sent: Tuesday, April 23, 2002 1:05 AM
To: TAPR APRS Special Interest Group
Subject: [aprssig] Re: WinAPRS and updates

Earl Needham wrote:
>
> At 08:25 AM 4/22/2002 +0000, J.Duffy Beischel wrote:
> ><snip>
> >I would also suggest UIView32 for software on a Windows computer and not
> >WinAPRS. UIView is actively supported and updated and is only about $15.
> >WinAPRS has not been touched in a number of years and has a much higher
> >registration fee.
>
>   If you consider "less than a year" to be the same as "a number of
> years" then you're correct. The latest WinAPRS.exe is dated May 16, 2001.

But the PM maps are 4 or 5 years old and out of date. There are also
still things in WinAPRS that have been broken for years - like DF.

Skip
K9SA

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782. [aprssig] Re: D700 in Jeep Cherokee

From: Dave Kaplan <dkaplan@steffeninc.com>
Date: Tue, 23 Apr 2002 07:23:51 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-75929-2002.04.23-07.58.18--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Tim,

Who was the dealer you order your Panvise from?

Dave

At 12:31 PM 4/20/02, you wrote:

>There were several questions to my response, so I will attempt
>to cover them here.
>
>The Panavise web site can be found at http://www.panavise.com

---
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783. [aprssig] Re: D700 in Jeep Cherokee

From: "Tim Cunningham" <tim_cunningham@mindspring.com>
Date: Tue, 23 Apr 2002 07:23:15 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-75933-2002.04.23-08.10.21--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

> Who was the dealer you order your Panvise from?
>

Gigaparts.

www.gigaparts.com

Ask to speak with Patrick if the person on the phone does not know
about Panavise.

I took some pictures of the mount and will have them posted on my
web site tonight at www.qsl.net/n8deu in case you want to see
how it looks.

73's,

Tim - N8DEU
Huntsville, Alabama

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784. [aprssig] Need Help with Motorola XT ONCORE GPS Receiver

From: "Robert G. Chimel, WA3LWR" <wa3lwr01@epix.net>
Date: Tue, 23 Apr 2002 08:44:29 -0400
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-75940-2002.04.23-08.18.15--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Hi,

First, thanks for taking the time to read this message and possible provide assistance. This is what our hobby is about.

I bought the above unit via the list a few years ago. Sadly, medical problems prevented me from doing much with it until now.

I have hooked it up and it responds appropriately to commands, but it only provide the last location where it operated, hundred of miles form my QTH.

It is working as far as I can tell and continues to give the old position in the correct format every few minutes. The antenna is in the clear and other antennas have not helped, nor made it worse. It just does not seem to be hearing the satellites, or needs to be reset.

Any help is greatly appreciated

Bob

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785. [aprssig] RE: lightest aprs tracker

From: LAIRD STANTON <LAIRD_STANTON@alexandria-emh1.army.mil>
Date: Tue, 23 Apr 2002 09:48:20 -0400
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-75943-2002.04.23-09.26.46--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Any way to place the antennas on the brain bucket?

Laird
N3HLL

> -----Original Message-----
> From: Michael Bass <mbass@amgen.com>@AMC
> Sent: Friday, April 19, 2002 9:11 AM
> To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
> Subject: [aprssig] lightest aprs tracker
>
> (Embedded image moved to file: pic14691.pcx)
> Here's a question for the list: What is the lightest aprs tracker possible?
>
> I've tried a couple of times to run APRS while bicycle mobile in Southern California with limitted success. Most of the packets I get back to my home station were ones that were direct (within about 2 miles of home). The system I'm using now is a Garmin GPS 3+, TigerTrack TM-1, and a VX5R (5W). All of this equipment is located in
> my jersey pockets -- the three pockets on the back of a cycling jersey.
>
> I realize it isn't a matter of simply finding the lightest equipment. The other objective is to be heard. The terrain I ride through is a challenge to both RF and rider: lots of canyons and mountains. I've tried two different beacon paths, WIDE2-2 and RELAY,WIDE2-2 both with equal success. (Remember in SoCal, the WIDEn-N nodes don't respond to
> RELAY.) And having the HT in the jersey pocket probably means I'm getting a good "body null" as DF-ers know.
>
> Since I ride a road bike, installing a D700 and battery is out of the question. If you have any thoughts, I'd love to hear them.
>
> 73 de Mike, N7WLC/6
>
> ---
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> wa1lou@tapr.org

[Attachment: pic14691.pcx; application/octet-stream; 2,707 bytes]

786. [aprssig] Re: lightest aprs tracker

From: LAIRD STANTON <LAIRD_STANTON@alexandria-emh1.army.mil>
Date: Tue, 23 Apr 2002 09:52:24 -0400
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-75944-2002.04.23-09.31.07--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Might consider the J-Pole like antenna made from 300 ohm twin lead, a
bit large for headmount, but it could be suspended fron the bike's flag
pole and doesn't need a groundplane.

Laird
N3HLL

-----Original Message-----
From: "Richard Amirault" <ramirault@erols.com>@AMC
Sent: Friday, April 19, 2002 9:30 AM
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Subject: [aprssig] Re: lightest aprs tracker

(Embedded image moved to file: pic13721.pcx)
You didn't say what you are using for an antenna ... so I assume it
is the
HT's rubber duck. You'll get the most "bang for the buck" with a
better
antenna mounted on the bike if possible. I used to run bicycle
mobile (not
APRS) and had a regular mobile antenna (Larsen 2/70 dual band whip)
mounted
to my luggage rack. I know of others who have attached a J-Pole made
of
pipe to their bikes.

For those who say you'll need a proper ground plane for a mobile
antenna to
work, remember that some mobile antennas are 'ground independent'
and
also, no matter how bad it is, it's got to be better than the rubber
duck!

Richard Amirault   N1JDU
Boston,
MA, USA
ramirault@erols.com   "Go Fly A Kite"
http:// www.erols.com/ramirault
----- Original Message -----
From: "Michael Bass" <mbass@amgen.com>
Subject: [aprssig] lightest aprs tracker

> I've tried a couple of times to run APRS while bicycle mobile in
> Southern California with limitted success. Most of the packets I
get
> back to my home station were ones that were direct (within about 2
> miles of home). The system I'm using now is a Garmin GPS 3+,
> TigerTrack TM-1, and a VX5R (5W). All of this equipment is located
in
> my jersey pockets -- the three pockets on the back of a cycling
> jersey.
>
> I realize it isn't a matter of simply finding the lightest
equipment.
> The other objective is to be heard. The terrain I ride through is
a
> challenge to both RF and rider: lots of canyons and mountains.
I've
> tried two different beacon paths, WIDE2-2 and RELAY,WIDE2-2 both
with
> equal success. (Remember in SoCal, the WIDEn-N nodes don't respond
to
> RELAY.) And having the HT in the jersey pocket probably means I'm
> getting a good "body null" as DF-ers know.
>
> Since I ride a road bike, installing a D700 and battery is out of
the
> question. If you have any thoughts, I'd love to hear them.

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[Attachment: pic13721.pcx; application/octet-stream; 2,707 bytes]

787. [aprssig] Re: [LAIRD STANTON] Re: lightest aprs tracker

From: "Gregg G. Wonderly" <gregg@skymaster.c2-tech.com>
Date: Tue, 23 Apr 2002 09:07:37 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: TAPR APRS Special Interest Group <aprssig@lists.tapr.org>
Message-ID: <LYR842-75947-2002.04.23-09.42.00--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

>Might consider the J-Pole like antenna made from 300 ohm twin lead, a
>bit large for headmount, but it could be suspended fron the bike's flag
>pole and doesn't need a groundplane.

I realized 30mile coverage with a roll up j-poll made from 300 ohm twin lead,
using my THD7-A. It works great for me!

-----
gregg@c2-tech.com (C2 Technologies Inc)

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788. [aprssig] Re: lightest aprs tracker (Bicycle Mobile)

From: <jrs38801@bellsouth.net>
Date: Tue, 23 Apr 2002 10:59:25 -0400
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-75960-2002.04.23-10.32.16--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

I'm using a "Jurassic Duck" that WX2NJ wrote up. Haven't gotten my bike mobile APRS going yet, but it's made a world of difference on voice.

You "could" convert a bike bottle to a battery case, assuming you use a hydration pack to take it's place so you don't fall over dead from dehydration. That's the system I'm using now.

Future plans are to move the handle bar mounted HT to the tail rack bag, mount a TripMate/Tiny Trak to it's old mount, connect them together with some nice black Cat-5 cable I found, and plug my boom mic into that. I'm going to go through a voice repeater with a TNC/Radio at home to parse out the APRS signal and digi it back onto the APRS freq. Should make the trip with no problem that way.

Jack KE4LWT

>
> From: LAIRD STANTON <LAIRD_STANTON@alexandria-emh1.army.mil>
> Date: 2002/04/23 Tue AM 09:52:24 EDT
> To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
> Subject: [aprssig] Re: lightest aprs tracker
>
> Might consider the J-Pole like antenna made from 300 ohm twin lead, a
> bit large for headmount, but it could be suspended fron the bike's flag
> pole and doesn't need a groundplane.
>
> Laird
> N3HLL

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789. [aprssig] Re: [aprsplus] APRS+SA v2.12 Posted

From: "Brent Hildebrand" <bhildebrand@earthlink.net>
Date: Sun, 21 Apr 2002 22:31:43 -0700
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>

Message-ID: <LYR842-75961-2002.04.23-10.41.00--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

```
>
> New - "Finger" lookup of NWS data from Dale Huguley, KG5QD's NWS server.
Via an Internet connection, right click on any warning, and select the new
topmost option, "Finger Weather Server".  This select the first 3 letters of
the From callsign, and "fingers" it via Dale's server.  Also added is a
Finger button on the NWS tab.  Clicking the button will present you a small
editbox just below the button where you can enter the 3-letter code of the
NWS office you are interested in.  Pressing Enter, or the Esc. key, or
clicking outside the editbox will cause a Finger lookup, provided you have
entered a 3-letter code.  More or less then 3 letters will not trigger any
action.
>

Correction, less than 3 letters will not trigger an action.   Finger
"fingerhelp"   to see a list of options.

Brent


---
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```

790. [aprssig] Panvise

From: Dave Kaplan <dkaplan@steffeninc.com>
Date: Tue, 23 Apr 2002 10:11:37 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-75962-2002.04.23-10.45.36--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

```
I sent an e-mail  to gigaparts.com trying to order a Panvise bracket for my
Suburban. Below is their response:

>From: "George M. Howard" <george@gigaparts.com>
>To: "Dave Kaplan" <dkaplan@steffeninc.com>
>References: <4.3.2.7.2.20020423075535.00dae2a0@pop3.spa.norton.antivirus>
>Subject: Re: Price Quote
>Date: Tue, 23 Apr 2002 10:05:27 -0500
>
>
>     Hi Dave!
>
>     Unfortunately we do not carry Panavise.
>
>- George




---
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```

791. [aprssig] RE: Panvise

From: "Horzepa, Stan" <SHorzepa@c-cor.net>
Date: Tue, 23 Apr 2002 11:37:48 -0400
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-75967-2002.04.23-11.17.28--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

```
Try www.panavise.com

> -----Original Message-----
> From: Dave Kaplan [mailto:dkaplan@steffeninc.com]
> Sent: Tuesday, April 23, 2002 11:12 AM
> To: TAPR APRS Special Interest Group
> Subject: [aprssig] Panvise
>
>
> I sent an e-mail  to gigaparts.com trying to order a Panvise
> bracket for my
> Suburban. Below is their response:
>
> >From: "George M. Howard" <george@gigaparts.com>
> >To: "Dave Kaplan" <dkaplan@steffeninc.com>
> >References:
> <4.3.2.7.2.20020423075535.00dae2a0@pop3.spa.norton.antivirus>
> >Subject: Re: Price Quote
> >Date: Tue, 23 Apr 2002 10:05:27 -0500
> >
> >
> >     Hi Dave!
> >
> >     Unfortunately we do not carry Panavise.
>
```

```
---
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```

792. [aprssig] Garmin Extrex Family

From: "Mike Wolthuis" <wolthui3@msu.edu>
Date: Tue, 23 Apr 2002 10:45:13
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-75968-2002.04.23-11.19.45--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

```
Hello Everyone,
I am looking to aquire a new Garmin GPS for portable use with my D7A.
It appears the Extrex line of GPS models is perfect, but I have some
unanswered questions:

1) Can someone break them down (Looking at Venture,Legend,Vista)
      ie. Do all support NMEA in?  I want to plot calls, this is a big
thing, also I know only Legend and Vista have mapping which is why I want
to get one of thoose if they support NMEA in.

2) Any thoughts on good/bad experiences.

I really like the Legend and if it supports everything the Venture does,
plus it has the 8MB memory, but I need to know for sure it takes NMEA in
and someone has done it, if not I guess I will go with the Venture pry.

Thanks all,
Mike Wolthuis
kb8zgl

---
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```

793. [aprssig] Re: lightest aprs tracker

From: Matt Steinhoff <mls@steinhoff.net>
Date: Tue, 23 Apr 2002 11:45:17 -0400
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: mbass@amgen.com
Message-ID: <LYR842-75969-2002.04.23-11.20.07--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

```
> From: Michael Bass <mbass@amgen.com>
> What is the lightest aprs tracker possible?

    I'm probably not the best person to ask since I
tend to bring even the kitchen sink even on short rides.

> All of this equipment is located in my jersey pockets --
> the three pockets on the back of a cycling jersey.

    I use a D7Ag with an eTrex Legend. The eTrex is
velcroed to top of my NiteRider headlight. The D7 is
in my Camelback (if you don't have one, you should;
hydrate or die!). I'm using an aftermarket antenna
(Comet, about 18 inches long, I forget the model)
which puts the bulk of the signal above my head and
not into my lower intestines as it would in the jersey.
    Even at five watts, the D7's battery will last
longer than I do. I can easily get six to eight hours
worth of riding in before I have to worry about
swapping batteries.
    I have run bicycle mobile around central (Orlando,
Daytona), Southeast (Palm Beach, Jupiter) and South
```

(Keys) Florida with good results. My definition of
'good', by the way, means a packets every half an hour
making it to the internet stream. My mobile TX rate is
every three or five minutes depending on what sort of
pace I'm running. Not a great success rate but about
what I'd expect for 5W mobile be it bicycle or automobile.

> Since I ride a road bike, installing a D700 and
> battery is out of the question.

Unless you're a weight weenie, that's not true.

Check out this guy's bike...
http://ourworld.compuserve.com/homepages/bcotton/tripmate.htm
He has a GPS and laptop attached.

Here's a guy who rode 2,500 miles with his solar
powered laptop on board...
http://www.kenkifer.com/bikepages/touring/laptop.htm
Add a wireless modem and you've got a great setup.

I have a NiteRider Digital Pro12 for lighting.
(Living in Florida, I find it painful to ride while the
sun is up in the summer so I take to the trails at dusk
and ride the final couple hours by headlight.) It has a
4.5AH NiMH 12V battery that fits in a standard water
bottle holder. Here is what they claim for runtimes...

- 7:00hr @ 6w
- 4:55hr @ 9w
- 3:35hr @ 12w
- 2:15hr @ 20w
- 1:25hr @ 32w

Since it's lighting, that's continuos draw. For
kicks, I tried to power my D700 with the battery. It
worked just find at low and medium power. I was too
chicken to crank it up to the full 50 watts. (Mount
the D700's head to the handlebars and the unit itself
in your bike bag and you'd have a rocking setup.)
So, if you're looking for a fairly lite, powerful
battery that is designed to work on a bike, you might
want to look to NiteRider or some of the other folks
who make bicycle lights.

Matt (k4mls)

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---

794. [aprssig] Re: Garmin Extrex Family

From: "J.Duffy Beischel" <wb8nut@arrl.net>
Date: Tue, 23 Apr 2002 11:7:35
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-75972-2002.04.23-11.41.54--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Mike,

I have two eTrex units. Here is the response.

>>>1) Can someone break them down (Looking at Venture,Legend,Vista)
ie. Do all support NMEA in? I want to plot calls, this is a big
thing, also I know only Legend and Vista have mapping which is why I want
to get one of thoose if they support NMEA in.<<<

Yes, they all are capable of sending NMEA to the tracking module from the
basic Yellow model on up. You do have to change the setting as the
standard setting is "Garmin". I do not know if they support NMEA into the
GPS unit.

2) Any thoughts on good/bad experiences.

I really like the Legend and if it supports everything the Venture does,
plus it has the 8MB memory, but I need to know for sure it takes NMEA in
and someone has done it, if not I guess I will go with the Venture pry.

As you go up the line, the units support everything the previous model
does, they just keep adding features.

I have the basic Yellow model feeding the KPC3+. For Geocaching I use the
Venture since it stores all the waypoints for tracking down multiple caches
on a weekend.

Duffy - WB8NUT
www.wb8nut.com

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795. [aprssig] Re: Garmin Extrex Family

From: Matt Steinhoff <mls@steinhoff.net>
Date: Tue, 23 Apr 2002 12:22:27 -0400
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: aprssig@lists.tapr.org
Message-ID: <LYR842-75975-2002.04.23-11.56.47--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

> From: "Mike Wolthuis" <wolthui3@msu.edu>
> It appears the Extrex line of GPS models is perfect,

I'm a huge fan of Garmin. They are always updating their products and have excellent customer service. Even when I was boneheaded and gave my Legend 12V instead of 3V, they swapped it out without question.

> 1) Can someone break them down (Looking at Venture,
> Legend,Vista) ie. Do all support NMEA in?

Yes. At their most basic level, they are all the same. The only real difference is memory and extras. All of the eTrex models do NMEA in and out.

> I know only Legend and Vista have mapping which is why
> I want to get one of thoose if they support NMEA in.

I bought a Legend nearly a year ago and love it. (I talked my father and a co-worker into Legends, too.) However, if I had to do it again, I'd get the Vista since it does everything the Legend does but has 24M of memory instead of just 8M.

I like to load maps. With 8M, I can load only half of Florida from the Roads and Recreation CD (pretty much just roads, parks and whatnot). If I use the MetroGuide CDs (includes everything in R&R plus street addresses and business information), I can only load a county or two.

That said, I love to drive and my idea of a good vacation is doing a 5,000-mile road trip in a couple of weeks. So, I want to be able to load a lot of country into the GPS at one time so I don't have to reload after every day of driving. If you don't cover as much ground, 8M may be plenty of map for you.

Except for the ability to load more maps, the Legend is just as good as the Vista.

The Garmin web site (www.garmin.com) has a great tool to compare GPS models. I suggest you dial up your three GPS choices and compare them feature by feature. I don't think you'd be making a mistake with either the Legend or the Vista.

Matt (k4mls)

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796. [aprssig] Re: Garmin Extrex Family

From: "Richard Amirault" <ramirault@erols.com>
Date: Tue, 23 Apr 2002 12:30:58 -0400
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-75977-2002.04.23-12.06.35--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

```
Comment:   RE: mapping with any eTrex ... the screen is *really* too small
to be easily seen _while_driving_    If you have someone riding "shotgun"
that's one thing, but to have to look at the screen yourself, while driving
is another.

I use a Garmin III and while it's screen is bigger than an eTrex Garmin has
other units with bigger screens still.

Richard Amirault                          N1JDU                 Boston,
MA, USA
ramirault@erols.com              "Go Fly A Kite"
http:// www.erols.com/ramirault
----- Original Message -----
From: "Matt Steinhoff" <mls@steinhoff.net>
Subject: [aprssig] Re: Garmin Extrex Family
(snip)

>     Except for the ability to load more maps, the
> Legend is just as good as the Vista.
>
>     The Garmin web site (www.garmin.com) has a great
> tool to compare GPS models. I suggest you dial up your
> three GPS choices and compare them feature by feature.
> I don't think you'd be making a mistake with either
> the Legend or the Vista.


---
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```

797. [aprssig] Re: lightest aprs tracker (Bicycle Mobile)

From: "Jack Smith" <jrs38801@bellsouth.net>
Date: Tue, 23 Apr 2002 12:03:38 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-75981-2002.04.23-12.37.54--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

```
Oh yeah, I remember somebody out there that's made an antenna out of piano
wire, too.  Just wish I could remember who it was.  But in any case,
shouldn't be difficult to come up with something from scratch.  That would
give a lot less drag, but it won't give you a place to fly an idiot warning
device from.

Jack KE4LWT



---
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```

798. [aprssig] Re: lightest aprs tracker (Bicycle Mobile)

From: Doug Ferrell <kd4moj@kd4moj.org>
Date: Tue, 23 Apr 2002 13:16:51 -0400
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-75983-2002.04.23-12.50.52--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

```
At 12:03 PM 4/23/02 -0500, Jack Smith wrote:
>Oh yeah, I remember somebody out there that's made an antenna out of piano
>wire, too.  Just wish I could remember who it was.  But in any case,
>shouldn't be difficult to come up with something from scratch.  That would
>give a lot less drag, but it won't give you a place to fly an idiot warning
>device from.


----------------------------- COPY ----------------------------------------
Build a very thin 19-inch whip out of something like piano wire and mount it
on the bikes frame. (The weight and drag will be insignificant.)    Or even
better, mount it on the top of your helmet.  Feed it with RG-174 or similar
```

```
ultra thin and light coax.  The increase in radiated signal strength will be
enormous!

Stephen H. Smith                   wa8lmf @ aol.com
Home Page:
http://members.aol.com/wa8lmf
Ham Radio/Mobile SSTV page:     http://members.aol.com/wa8lmf/ham
APRS Stuff
http://members.aol.com/wa8lmf/aprs

------------------------------------------------------------------------------


...DOUG
kd4moj


---
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```

---

799. [aprssig] Re: lightest aprs tracker (Bicycle Mobile)

```
From: "Mike Yetsko" <myetsko@insydesw.com>
Date: Tue, 23 Apr 2002 13:24:16 -0400
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-75984-2002.04.23-12.59.01--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain
```

```
If you do that with piano wire...

Take a plastic ball, anything, about 1/4" or more diameter, and melt the
end of the wire into it.  Especially if you put your antenna on a bike
where
you might 'bend over' into the antenna...  It's not a good idea to forget
that
you have a sharp wire sticking up, almost invisible, right about eye
level...

Mike

----- Original Message -----
From: "Doug Ferrell" <kd4moj@kd4moj.org>


> At 12:03 PM 4/23/02 -0500, Jack Smith wrote:
> >Oh yeah, I remember somebody out there that's made an antenna out of
piano
> >wire, too.  Just wish I could remember who it was.  But in any case,
> >shouldn't be difficult to come up with something from scratch.  That
would
> >give a lot less drag, but it won't give you a place to fly an idiot
warning
> >device from.
>
>
> -----------------------------
COPY ------------------------------------------
> Build a very thin 19-inch whip out of something like piano wire and
mount it
> on the bikes frame. (The weight and drag will be insignificant.)    Or
even
> better, mount it on the top of your helmet.  Feed it with RG-174 or
similar
> ultra thin and light coax.  The increase in radiated signal strength
will be
> enormous!
>
> Stephen H. Smith                   wa8lmf @ aol.com
> Home Page:
> http://members.aol.com/wa8lmf
> Ham Radio/Mobile SSTV page:     http://members.aol.com/wa8lmf/ham
> APRS Stuff
> http://members.aol.com/wa8lmf/aprs
>
> -------------------------------------------------------------------------
-----
>
>
```

> ...DOUG
> kd4moj

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800. [aprssig] Re: Garmin Extrex Family

From: "J. Lance Cotton" <joecotton@mac.com>
Date: Tue, 23 Apr 2002 12:29:10 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-75985-2002.04.23-13.03.33--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Also of note: the Vista has a magnetic flux compass, which is what it takes the course/heading information from, unless you are going faster than a user-settable speed. The Vista also has a barometric altimeter for altitude instead of the GPS 3-D fix altitude, though the barometric altimeter is frequently calibrated with the GPS fix to take care of slow variations in barometric pressure.

The Map CD-ROMS that let you download data into the Vista and Legend models are (in my opinion) a bit expensive, but a feature on the garmin website lets you look up any area on any of the cd-roms to see what kind of coverage they offer for that area. Sort of a try-before-you-buy. This was important to me, since I live in a somewhat small town and wanted to be sure that I was actually buying more detail than the basemap already in the devices.

73
--
Lance Cotton, KJ5O
joecotton@mac.com
http://map.findu.com/kj5o-14
----- Original Message -----
From: "Matt Steinhoff" <mls@steinhoff.net>
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: <aprssig@lists.tapr.org>
Sent: Tuesday, April 23, 2002 11:22 AM
Subject: [aprssig] Re: Garmin Extrex Family

> > I know only Legend and Vista have mapping which is why
> > I want to get one of thoose if they support NMEA in.
>
>   I bought a Legend nearly a year ago and love it.
> (I talked my father and a co-worker into Legends, too.)
> However, if I had to do it again, I'd get the Vista
> since it does everything the Legend does but has 24M
> of memory instead of just 8M.
>   I like to load maps. With 8M, I can load only half
> of Florida from the Roads and Recreation CD (pretty
> much just roads, parks and whatnot). If I use the
> MetroGuide CDs (includes everything in R&R plus street
> addresses and business information), I can only load a
> county or two.
>   That said, I love to drive and my idea of a good
> vacation is doing a 5,000-mile road trip in a couple of
> weeks. So, I want to be able to load a lot of country
> into the GPS at one time so I don't have to reload after
> every day of driving. If you don't cover as much ground,
> 8M may be plenty of map for you.
>   Except for the ability to load more maps, the
> Legend is just as good as the Vista.
>
>   The Garmin web site (www.garmin.com) has a great
> tool to compare GPS models. I suggest you dial up your
> three GPS choices and compare them feature by feature.
> I don't think you'd be making a mistake with either
> the Legend or the Vista.

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801. [aprssig] Re: lightest aprs tracker (Bicycle Mobile)

From: "Jack Smith" <jrs38801@bellsouth.net>
Date: Tue, 23 Apr 2002 12:41:33 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-75987-2002.04.23-13.15.53--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

You're darned skippy! That's the real reason why all of our military
antennas have that tear drop on them. Too many mechanics were getting
injured walking into tied down antennas....

Jack

-----Original Message-----
From: bounce-aprssig-26384@lists.tapr.org
[mailto:bounce-aprssig-26384@lists.tapr.org]On Behalf Of Mike Yetsko
Sent: Tuesday, April 23, 2002 12:24 PM
To: TAPR APRS Special Interest Group
Subject: [aprssig] Re: lightest aprs tracker (Bicycle Mobile)

If you do that with piano wire...

Take a plastic ball, anything, about 1/4" or more diameter, and melt the
end of the wire into it. Especially if you put your antenna on a bike
where
you might 'bend over' into the antenna... It's not a good idea to forget
that
you have a sharp wire sticking up, almost invisible, right about eye
level...

Mike

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---

802. [aprssig] Re: lightest aprs tracker (Bicycle Mobile)

From: "Richard Amirault" <ramirault@erols.com>
Date: Tue, 23 Apr 2002 14:02:28 -0400
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-75991-2002.04.23-13.38.02--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

A metal "ball" on the tip on an antenna is better. Mobile antennas without
metal "balls" (they don't have to be round) show increased static electric
charges over those that do.

Richard Amirault   N1JDU   Boston,
MA, USA
ramirault@erols.com   "Go Fly A Kite"
http:// www.erols.com/ramirault
----- Original Message -----
From: "Jack Smith" <jrs38801@bellsouth.net>

Subject: [aprssig] Re: lightest aprs tracker (Bicycle Mobile)

> You're darned skippy! That's the real reason why all of our military
> antennas have that tear drop on them. Too many mechanics were getting
> injured walking into tied down antennas....

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---

803. [aprssig] Re: lightest aprs tracker (Bicycle Mobile)

From: "Roy Bost" <rbost@itexas.net>
Date: Tue, 23 Apr 2002 13:06:42 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-75992-2002.04.23-13.41.12--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Re. to making an antenna out of small wire 18" long.....sounds like a
"Hershey Kiss" dual band mag mount! A single black wire (1/16" dia) on a
magnet the size of a Hershey Kiss with the 1/8' dia coax terminated with a
BNC connector. It's a VERY strong magnet!

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---

804. [aprssig] Re: TH-D7a(G) advice

From: "Phil Pacier, AD6NH" <ad6nh@arrl.net>
Date: Tue, 23 Apr 2002 13:24:27
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-75993-2002.04.23-13.58.41--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Yes, the TH-D7 will output waypoints to the GPS. I use it with a Garmin
12-XL and it works great!

Phil Pacier - AD6NH
www.ahubca.net
ahubca.net APRS IS Server
ports 2023 & 23 = world feed
port 14579 = CA State feed

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---

805. [aprssig] Re: D700 in Jeep Cherokee

From: Steve Hammond <1hammond@bellsouth.net>
Date: Tue, 23 Apr 2002 14:30:58 -0400
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-75994-2002.04.23-14.05.14--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Looks like you can order Panavise Mounts on-line at EC West.

http://www.ecwest.com/shopping/PriceList.asp?Brand=52

Steve/K4SAH

>
> From: "Tim Cunningham" <tim_cunningham@mindspring.com>
> Date: 2002/04/23 Tue AM 08:23:15 EDT
> To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
> Subject: [aprssig] Re: D700 in Jeep Cherokee
>
>
> > Who was the dealer you order your Panvise from?
> >
>
> Gigaparts.
>
> www.gigaparts.com
>
>
> Ask to speak with Patrick if the person on the phone does not know
> about Panavise.
>
> I took some pictures of the mount and will have them posted on my
> web site tonight at www.qsl.net/n8deu in case you want to see
> how it looks.
>
>
>
>
>
> 73's,
>
> Tim - N8DEU
> Huntsville, Alabama
>
>

```
>
>
> ---
> You are currently subscribed to aprssig as: stevehammond@bellsouth.net
> To unsubscribe send a blank email to leave-aprssig-842K@lists.tapr.org
> Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org
>
>


---
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```

---

806. [aprssig] Re: lightest aprs tracker (Bicycle Mobile)

From: Bob Bruninga <bruninga@usna.edu>
Date: Tue, 23 Apr 2002 15:07:04 -0400 (EDT)
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: TAPR APRS Special Interest Group <aprssig@lists.tapr.org>
Message-ID: <LYR842-75998-2002.04.23-14.41.51--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

```
> Build a very thin 19-inch whip out of something like piano wire and mount it
> on the bikes frame. (The weight and drag will be insignificant.)

Modern day mop handles are made out of very lightweight ferrous metal.  I
mounted one from the back axle up about 4 feet and flattened the last 1"
and bent that tab horizontal.  It makes a perfect mount for the little
super tiny piano wire mag mount antennas you can now buy with the
mini-coax...  ANd it is very lightweight but  puts the antenna above your
head.

With the magmount, it is a multi-use system and the only investment in the
bike configuration is the throw-away  mop handle.  You can use the little
magmount for many other purposes.

de WB4APR, Bob



---
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---

807. [aprssig] SSID Numbers

From: "Josh Gould" <kc8eqa@columbus.rr.com>
Date: Tue, 23 Apr 2002 15:23:51 -0400
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-75999-2002.04.23-14.58.15--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

```
I have a question.  I've been watchting my display and have noticed that
a lot of the mobile stations in the area (Columbus, OH) have the SSID of
-7. is this a general use of -7 or is it whatever the operator decides?

73's
Josh
KC8EQA
EN80KA





---
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```

---

808. [aprssig] Re: lightest aprs tracker (Bicycle Mobile)

From: Bill Vodall - WA7NWP <wa7nwp@yahoo.com>
Date: Tue, 23 Apr 2002 12:25:11 -0700
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-76001-2002.04.23-15.00.18--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

At 03:07 PM 4/23/02 -0400, Bob Bruninga wrote:
>Modern day mop handles are made out of very lightweight ferrous metal. I
>mounted one from the back axle up about 4 feet and flattened the last 1"
>and bent that tab horizontal. It makes a perfect mount for the little
>super tiny piano wire mag mount antennas you can now buy with the
>mini-coax... ANd it is very lightweight but puts the antenna above your
>head.

A coaxial J-pole tied to a fiberglass bike flag works great. It's a 1/2 wave
antenna so no ground is needed.   It's up nice and high for good range.

I'll get the details for the coax version of a J-pole on the web real soon now. It's
a great way to recycle a piece of RG-58 ethernet coax.

Here's a pre-trip picture:

   http://www.jnos.org/webpict/bvAlbum/199296kevin/1992/92h/92h19.html

73,
Bill - WA7NWP

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---

809. [aprssig] Re: SSID Numbers

From: "Randy Allen - KA□AZs" <ka0azs@commkey.net>
Date: Tue, 23 Apr 2002 15:32:32 -0400
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-76003-2002.04.23-15.11.52--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

A lot of folks with Kenwood radios (TH-D7 and TM-D700) use a -7 SSID, Myself included.

73

Randy Allen, KA□AZS(-7)
Asst. EC Montgomery CO Ohio
OH Dist. 3 ARES Web Page:
www.qsl.net/ohd3ares/
----- Original Message -----
From: Josh Gould
Sent: 4/23/2002 3:23:51 PM
To: aprssig@lists.tapr.org
Subject: [aprssig] SSID Numbers

> I have a question. I've been watchting my display and have noticed that
> a lot of the mobile stations in the area (Columbus, OH) have the SSID of
> -7. is this a general use of -7 or is it whatever the operator decides?

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---

810. [aprssig] Re: [Xastir-Dev] Symbol Overlay Bug ?

From: "Curt Mills, WE7U" <hacker@tc.fluke.com>
Date: Tue, 23 Apr 2002 12:59:41 -0700 (PDT)
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: Robbie Robertson <mwrobertson@attbi.com>,
TAPR APRS Special Interest Group <aprssig@lists.tapr.org>,
<njohnson@celestica.com>,
"Xastir Developer's List" <xastir-dev@krypton.hscs.virginia.edu>
Message-ID: <LYR842-76004-2002.04.23-15.34.05--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

On Sun, 21 Apr 2002, Neil Johnson wrote:

> > I think I found an issue with XASTIR and compressed packets.
> >
> > I'm in the process of writing test cases for APRS compressed position
> formats
> > (it's for a Software Testing Class).
> >
> > When I started generating test cases for symbols with overlays. I noticed

> > that XASTIR doesn't display the DIGIT overlays.   It does seem to display
> > Symbols with ALPHA overlays.
> >
> > I checked my testcases against Ian's aprsdec.pl and it says that my packets
> > are correct (except for complaing about the CALL SIGN).
> >
> > Here are some of the packets for one symbol .
> >
> > AT04V0*>APRS:=aPP!!TT!!A,@C   ~Symbol = AAzBox

Keep those bug reports coming! Thanks for looking into this. How
do we get more schools to use us as as an example? hi hi

I haven't had a chance to look at this yet. I'm off doing other
things right now. Anyone else looked at it?

Curt Mills, WE7U   hacker.NO_*SPAM@tc.fluke.com
Senior Methods Engineer/SysAdmin
"Lotto: A tax on people who are bad at math." -- unknown
"Windows: Microsoft's tax on computer illiterates." -- WE7U

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Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

---

811. [aprssig] Re: Need Help with Motorola XT ONCORE GPS Receiver

From: Gary Hinton <ghinton@eng.mcd.mot.com>
Date: Tue, 23 Apr 2002 13:24:04 -0700
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: TAPR APRS Special Interest Group <aprssig@lists.tapr.org>
Message-ID: <LYR842-76006-2002.04.23-15.58.02--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Bob,

It sounds like the receiver is not acquiring a new location, for some reason.

One way to check for this is to look at the data string it sends out. Here are
some lines sent by such a receiver.

```
R156>GPSLA,TRACE3-2:$GPRMC,062221,V,3329.5347,N,11155.2617,W,0.000,0.0,150400,12.3,E*4B
R156>GPSLA,TRACE3-2:$GPRMC,062421,V,3329.5347,N,11155.2617,W,0.000,0.0,150400,12.3,E*4D
R156>GPSLA,TRACE3-2:$GPRMC,062821,V,3329.5347,N,11155.2617,W,0.000,0.0,150400,12.3,E*41
R156>GPSLA,TRACE3-2:$GPRMC,063131,A,3334.9478,N,11150.1572,W,0.000,0.0,150400,12.3,E*52
```

It always sends the same location until it locks onto and acquires a new location.
This is indicated by the A instead of a V, right after the time stamp at the
beginning. The lines that come after this should always have the A in them and
should show the current location.

Hope this helps. I am not sure what to do to make it work better. Maybe
you can share with us what it is sending.

Gary

"Robert G. Chimel, WA3LWR" wrote:
>
> I have hooked it up and it responds appropriately to commands, but it only
> provide the last location where it operated, hundred of miles form my QTH.
>
> It is working as far as I can tell and continues to give the old position in
> the correct format every few minutes. The antenna is in the clear and other
> antennas have not helped, nor made it worse. It just does not seem to be
> hearing the satellites, or needs to be reset.
>

```
+--------------------------------------------------------------------+
| Gary Hinton    AC7R                Phone: (602) 438-3450           |
| Product Engineering                  FAX: (602) 438-3836           |
| Motorola Computer Group            Pager: 877-992-6630 (two-way)   |
| 2900 S. Diablo Way                e-mail: ghinton@eng.mcd.mot.com  |
| Tempe, Arizona 85282           Mail Drop: DW278                    |
+--------------------------------------------------------------------+
```

```
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```

812. [aprssig] RE: -7 SSID

```
From: "Josh Gould" <kc8eqa@columbus.rr.com>
Date: Tue, 23 Apr 2002 16:45:07 -0400
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-76007-2002.04.23-16.19.30--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain
```

```
Ok.  I'll change mine to reflect the majority.  I have a d-700 in the
car.

73's
Josh
KC8EQA
EN80KA


-----Original Message-----
From: powersb@willinet.net [mailto:powersb@willinet.net]
Sent: Tuesday, April 23, 2002 4:08 PM
To: kc8eqa@columbus.rr.com
Subject: RE: [aprssig] -7 SSID

In Central Iowa, most users with Kenwood D700's use the -7 SSID, that
way it gives you and idea of what capability they have, such as
messaging etc., just by looking at the SSID.

Original Message:
-----------------
From: Josh Gould kc8eqa@columbus.rr.com
Date: Tue, 23 Apr 2002 15:23:51 -0400
To: aprssig@lists.tapr.org
Subject: [aprssig] SSID Numbers


I have a question.  I've been watchting my display and have noticed that
a lot of the mobile stations in the area (Columbus, OH) have the SSID of
-7. is this a general use of -7 or is it whatever the operator decides?


--------------------------------------------------------------------
mail2web - Check your email from the web at
http://mail2web.com/ .




---
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```

813. [aprssig] Re: SSID Numbers

```
From: David Rush <david@davidarush.com>
Date: Tue, 23 Apr 2002 15:59:28 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-76009-2002.04.23-16.33.44--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain
```

```
Josh:

See http://nwaprs.org/symbols.htm

Based on that site, it looks like some software used the SSID to indicate
which of 16 symbols to display a station as.  I know I've seen -9 used on
more than one occasion, and wondered why.  I searched and found the above
website.  -9 means "car".  I guess I'll change my to -12 (Jeep).  (-7 means
"aircraft"!)

David, ky0dr, '94 Jeep YJ


At 03:23 PM 4/23/02 -0400, Josh Gould wrote:
>I have a question.  I've been watchting my display and have noticed that
>a lot of the mobile stations in the area (Columbus, OH) have the SSID of
>-7. is this a general use of -7 or is it whatever the operator decides?
```

```
>
>73's
>Josh
>KC8EQA
>EN80KA
>
>
>
>
>
>---
>You are currently subscribed to aprssig as: david@davidarush.com
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---
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```

---

814. [aprssig] Re: SSID Numbers

From: "Guy Story, KC5GOI" <kc5goi@kc5goi.net>
Date: Tue, 23 Apr 2002 15:55:34 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-76010-2002.04.23-16.38.34--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

```
In the earlier days, the ssid was how you were associated with an icon.  Today
it can be handled differently but the ssid is still a valid method.  Bob even
mentioned altering it to act as a way to manage paths.

73

--
Guy Story, KC5GOI
Itel-Tigerbyte LLC
gstory@tigerbyte.com
940.891.4575

---
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```

---

815. [aprssig] Re: SSID Numbers

From: "Curt Mills, WE7U" <hacker@tc.fluke.com>
Date: Tue, 23 Apr 2002 14:23:36 -0700 (PDT)
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: TAPR APRS Special Interest Group <aprssig@lists.tapr.org>
Message-ID: <LYR842-76011-2002.04.23-16.57.53--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

```
On Tue, 23 Apr 2002, David Rush wrote:

> Based on that site, it looks like some software used the SSID to indicate
> which of 16 symbols to display a station as.  I know I've seen -9 used on
> more than one occasion, and wondered why.  I searched and found the above
> website.  -9 means "car".  I guess I'll change my to -12 (Jeep).  (-7 means
> "aircraft"!)

These only come into play if there's nothing else in the packet to
determine the symbol from.  The only case I can think of right now
is a TNC spitting out $GPGGA or $GPRMC GPS sentences.  In that case
there may be nothing to select the symbol except SSID or one of the
two alternate methods below:

1) Set the destination address to determine symbol.
2) Put the symbol inside braces? in the status field.

I'm not sure which methods are decoded in which flavors of software.

Curt Mills, WE7U                         hacker.NO_*SPAM@tc.fluke.com
Senior Methods Engineer/SysAdmin
"Lotto:    A tax on people who are bad at math." -- unknown
"Windows:  Microsoft's tax on computer illiterates." -- WE7U
```

```
---
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```

816. [aprssig] Re: SSID Numbers

From: Bob Bruninga <bruninga@usna.edu>
Date: Tue, 23 Apr 2002 19:04:53 -0400 (EDT)
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: TAPR APRS Special Interest Group <aprssig@lists.tapr.org>
Message-ID: <LYR842-76014-2002.04.23-18.39.23--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

```
On Tue, 23 Apr 2002, Guy Story, KC5GOI wrote:

> In the earlier days, the ssid was how you were associated with an icon.  Today
> it can be handled differently but the ssid is still a valid method.

But SSID only implies an ICON when the packet transmitted is a raw
GPS NMEA string.  Otherwise it means nothing.  But for simplicity, most
folks stick to these major conventinions for easy observations:

-3 is via satellite
-6 is when you are doing somethign extra special like FD or something
-7 is a THD7 or D700
-9 is a mobile
-14 is a 18 wheeler truck

The reason it is a good idea to not flip them about is becaues the
FINDU.COM maintains all data by call and SSID.  This is the main reason to
make sure you always use -6 (or any unique) SSID when trying a satelite
contact so that you can tell later on if it was via satellite or heard
terrestrially.

If you make a satelltiee contact via a satellite using one SSID and then
without changing the SSID switch back to terrestrial, FINDU.COM wont konw
the difference and will overwrite the satellite packet with the more
recently heard terreswtrial packet... etc..

Bob



---
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```

817. [aprssig] Re: WinAPRS and updates

From: Earl Needham <needhame@yucca.net>
Date: Tue, 23 Apr 2002 17:14:10 -0600
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-76015-2002.04.23-18.49.00--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

```
At 12:04 AM 4/23/2002 -0500, Skip wrote:
>Earl Needham wrote:
> >
> > At 08:25 AM 4/22/2002 +0000, J.Duffy Beischel wrote:
> > ><snip>
> > >I would also suggest UIView32 for software on a Windows computer and not
> > >WinAPRS. UIView is actively supported and updated and is only about $15.
> > >WinAPRS has not been touched in a number of years and has a much higher
> > >registration fee.
> >
> >          If you consider "less than a year" to be the same as "a number of
> > years" then you're correct.  The latest WinAPRS.exe is dated May 16, 2001.
>
>But the PM maps are 4 or 5 years old and out of date.  There are also
>still things in WinAPRS that have been broken for years - like DF.

         The original question and statement was about WinAPRS.  Precision
Mapping is not WinAPRS, and WinAPRS HAS been updated much more recently
than "years" ago.

         Earl
```

Earl Needham, KD5XB, Clovis, New Mexico
KD5XB-2>APW251,PCSAT-1*:=3425.83N/10313.55W-PHG7150/WinAPRS 2.5.1
-EARL_CLOVIS -251-<630>
Did you get a letter from Nigeria offering a "deal"? See
http://home.rica.net/alphae/419coal/ and
http://www.crimes-of-persuasion.com/Crimes/Business/nigerian.htm

---
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---

818. [aprssig] W0EEE-3

From: Ken Cechura <kcechura@umr.edu>
Date: Tue, 23 Apr 2002 18:21:50 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-76017-2002.04.23-18.56.10--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

well, thanks to the help of a few people with the KAM settings (soon to be
the KPC 9612 settings), (I messed a few things up in the course of initial
setup) W0EEE-3 is now digipeating AND showing up on the map, so there is
now a Digi up and running in Rolla, MO. Hope it helps to fill the hole
along I-44 out of St. Louis.

73
Ken

```
      //////////////////////////////////////////////////////
     //        Kenneth R. Cechura, KC9UMR                //
    //             kcechura@umr.edu                     //
   //           President, W0EEE, 2002                 //
  // University of Missouri-Rolla Amateur Radio Club  //
//////////////////////////////////////////////////////
```

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---

819. [aprssig] Re: lightest aprs tracker (Bicycle Mobile)

From: John Kraus <jfkraus2@cox.net>
Date: Tue, 23 Apr 2002 19:35:44 -0400
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-76018-2002.04.23-19.09.58--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

A better idea to avoid injury is to use needle nose pliers to form a very
small loop in the end of the wire. I then dip the loop in Plasti-dip that
was designed for covering tool handles. This forms an almost impossible to
remove covering. I have seen plastic balls fall off, get pulled off by
tree branches, or break off in falls. The loop does not seem to cause any
SWR problems and if properly formed eliminates the injury potential. It is
also possible to use a 1/4 in drill bit and make a 3 1/2 turn coil at the
bottom to create a dual band whip. I used some silver solder to connect the
whip to the center pin of a clamp type BNC and the insulated it with hot
shrink tubing and epoxied it all together after tuning. It works great and
is rugged as hell.

At 01:24 PM 23-04-02 -0400, Mike Yetsko wrote:
>If you do that with piano wire...
>
>Take a plastic ball, anything, about 1/4" or more diameter, and melt the
>end of the wire into it. Especially if you put your antenna on a bike
>where
>you might 'bend over' into the antenna... It's not a good idea to forget
>that
>you have a sharp wire sticking up, almost invisible, right about eye
>level...
>
>Mike

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---

820. [aprssig] Bad packet?

From: Steve Jones <sdjones@sympatico.ca>
Date: Tue, 23 Apr 2002 20:22:25 -0400
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-76021-2002.04.23-19.57.06--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

I've been having problems with my Hamhud locking up lately. The last packet displayed before it locks up is always from WD8EJC-10.

I checked www.findu.com and captured these three packets:

```
WD8EJC-10>BEACON,W8LRC,WIDE3:=4046.20N/08409.60W#PHG746.51[B

WD8EJC-10>BEACON,WIDE3-1:=4046.20N/08409.60W#PHG746.51[BN8XOS-8>T1RT3X,WIDE
2:'mEbl j/]"6d}

WD8EJC-10>BEACON,WIDE3-2:=4046.20N/08409.60W#PHG746.51[BKB8DPN-3>T1PY9X,K8U
I-1*,WIDE:'m+Dn|d-/]
```

All appear to be badly mangled. The PHG looks to be either incomplete (aren't there 4 digits normally?) or it's been mangled somehow. I don't know where it's been mangled though. It is possible that I have been hearing Randall's packets direct through RF though.

Any ideas? I'm hoping Randall can check his system and make sure the outgoing packet is mangle free.

--
Steve <sdjones@sympatico.ca>

---
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---

821. [aprssig] Re: SSID Numbers

From: Mark Phillips <g7ltt@g7ltt.com>
Date: Tue, 23 Apr 2002 20:26:20 -0400
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-76022-2002.04.23-19.59.36--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

So if this is the case why does my car show up as being a house that moves? Many folks in the New York area have commented/complained about this. I use an SSID of -7. I have a TT2 and a Garmin GPS. My TT2 is configured to send an SUV symbol. It also send the packet out in compressed format

This only happens with folks using WinAPRS. DOS and Linux users see it as it should be. Have we spotted a bug in the WinAPRS software? Is it only paying attention to the SSID and not the payload symbol?

FYI this was the last raw packet gated through to Findu a few minutes ago.

```
KC2ENI-7>APRS,WC2AES-11,N2IPH-14,K3ATI-12*:@240122z4049.08N/07434.11W-105/00
6/Mic-E/M0/Off duty>)l]!-/"6S}
```

Mark Phillips G7LTT/KC2ENI
Randolph, NJ 07869

> But SSID only implies an ICON when the packet transmitted is a raw
> GPS NMEA string. Otherwise it means nothing. But for simplicity, most
> folks stick to these major conventinions for easy observations:

---
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822. [aprssig] Bad packet #2

From: Steve Jones <sdjones@sympatico.ca>
Date: Tue, 23 Apr 2002 20:30:42 -0400
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-76024-2002.04.23-20.05.33--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

```
I captured one more packet which looks unmangled:

WD8EJC-10>BEACON,W9INX-7*,WIDE3-2:=4046.20N/08409.60W#PHG746.51[B WD8EJC-10
Lima, Ohio. Wide Digi

The PHG still looks wrong and the [B looks suspiciously like somethings not
quite right with the beacon.

--
Steve <sdjones@sympatico.ca>



---
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```

---

823. [aprssig] Should I turn my Igate off?

From: Mark Phillips <g7ltt@g7ltt.com>
Date: Tue, 23 Apr 2002 20:40:56 -0400
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-76026-2002.04.23-20.13.59--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

```
Hi all,

I run newyork.aprs.net. It's located some 600ft asl in downtown Manhattan.
Bearing in mind that I can see some 4 or 5 digi's (dunno if any of them
igate) and Bob's suggestion that we no longer run high up nodes. I'm
thinking about shutting it down.

What say you folks?

Mark Phillips G7LTT/KC2ENI
Randolph, NJ 07869
```

[Attachment: smime.p7s; application/x-pkcs7-signature; 3,180 bytes]

---

824. [aprssig] Re: Should I turn my Igate off?

From: Steve Dimse <k4hg@tapr.org>
Date: Tue, 23 Apr 2002 20:56:04 -0400
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: TAPR APRS Special Interest Group <aprssig@lists.tapr.org>
Message-ID: <LYR842-76041-2002.04.23-20.30.54--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

```
On 4/23/02 8:40 PM, g7ltt@g7ltt.com (Mark Phillips) wrote:

>I run newyork.aprs.net. It's located some 600ft asl in downtown
>Manhattan. Bearing in mind that I can see some 4 or 5 digi's (dunno
>if any of them igate) and Bob's suggestion that we no longer run
>high up nodes. I'm thinking about shutting it down.
>
Digis and IGates are different things, few digis IGate. An IGate could
never have too good of a coverage pattern, and it is unlikely that
there would be too many of them. The only QRM potential is in messages
sent out from the internet to RF. You would want to have perhaps two
IGates in the general area feeding messages to RF, if there are more
there should be some sort of coordination, those with the most
reliable software and internet connections should be chosen. Even
those that do need to shut down should simply have their RF transmit
side disabled, there is no reason to ever cut out the RF to internet
feed.

Steve K4HG

---
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```

825. [aprssig] Re: SSID Numbers

From: "Mike Yetsko" <myetsko@insydesw.com>
Date: Tue, 23 Apr 2002 20:56:21 -0400
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-76042-2002.04.23-20.31.30--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

```
I don't know about everyone else, but in this forum, when I get
mail messages that are 'encrypted' and/or otherwise 'out of the
ordinary' as opposed to plain text....  I will just delete it without
even opening it or trying to take a look at it.

Mike




---
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```

826. [aprssig] Re: Bad packet?

From: Jeff Brenton <jeffb@csrye.org>
Date: Tue, 23 Apr 2002 21:15:03 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: aprssig <aprssig@tapr.org>
Message-ID: <LYR842-76054-2002.04.23-21.49.16--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

```
SJ> ... The PHG looks to be either incomplete (aren't there 4 digits
SJ> normally?) or it's been mangled somehow. I don't know where it's
SJ> been mangled though. It is possible that I have been hearing
SJ> Randall's packets direct through RF though.

PHG is always 4 digits. At least, in the standard they are. But some
people don't read standards, so things like gain (range 0 to 9) might
get entered in a manual beacon as "6.5" instead of either "6" or "7".

I'd expect the character that is "mangled" is an Escape, as part of a
terminal back-arrow sequence, used when someone MEANT to hit
"Backspace" (to delete the bad PHG value), but it was loaded into the
beacon string instead. Probably LOOKED right on their terminal
though...

--

Jeff Brenton KA9VNV
Questionable web page: http://dididahdahdidit.com


---
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```

827. [aprssig] Re: SSID Numbers

From: Ryan Tourge <ryrto@yahoo.com>
Date: Tue, 23 Apr 2002 20:08:29 -0700 (PDT)
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-76062-2002.04.23-22.42.47--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

```
/ - Is the configuration for a house.


--- Mark Phillips <g7ltt@g7ltt.com> wrote:
> So if this is the case why does my car show up as
> being  a house that moves?
> Many folks in the New York area have
> commented/complained about this. I use
> an SSID of -7. I have a TT2 and a Garmin GPS. My TT2
> is configured to send
> an SUV symbol. It also send the packet out in
> compressed format
>
> This only happens with folks using WinAPRS. DOS and
> Linux users see it as it
> should be. Have we spotted a bug in the WinAPRS
> software? Is it only paying
> attention to the SSID and not the payload symbol?
>
> FYI this was the last raw packet gated through to
> Findu a few minutes ago.
>
>
KC2ENI-7>APRS,WC2AES-11,N2IPH-14,K3ATI-12*:@240122z4049.08N/07434.11W-105/00
> 6/Mic-E/M0/Off duty>)l]!-/"6S}
>
>
> Mark Phillips G7LTT/KC2ENI
> Randolph, NJ 07869

__________________________________________________
Do You Yahoo!?
Yahoo! Games - play chess, backgammon, pool and more
http://games.yahoo.com/

---
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```

---

828. [aprssig] Re: SSID Numbers

From: Robbie Robertson <mwrobertson@attbi.com>
Date: Tue, 23 Apr 2002 22:31:34 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: TAPR APRS Special Interest Group <aprssig@lists.tapr.org>
Message-ID: <LYR842-76063-2002.04.23-23.05.44--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

```
In the setup for the TinyTrakII, there is a Hyphen for
Symbol by default and it is that - that makes it appears as
a house. If you want a Car Symbol, use > (greater than), For
a Jeep, the letter j  I don't know at the moment all of
them, but if you are using an SSID of -7, we around
Chicagoland would think we could send you a message because
it indicates either a Kenwood D-7 or D-700, :-)

Good luck Mark es 73

Robbie

Mark Phillips wrote:
>
> So if this is the case why does my car show up as being  a house that moves?
> Many folks in the New York area have commented/complained about this. I use
> an SSID of -7. I have a TT2 and a Garmin GPS. My TT2 is configured to send
> an SUV symbol. It also send the packet out in compressed format
>
> This only happens with folks using WinAPRS. DOS and Linux users see it as it
> should be. Have we spotted a bug in the WinAPRS software? Is it only paying
> attention to the SSID and not the payload symbol?
>
> FYI this was the last raw packet gated through to Findu a few minutes ago.
>
> KC2ENI-7>APRS,WC2AES-11,N2IPH-14,K3ATI-12*:@240122z4049.08N/07434.11W-105/00
> 6/Mic-E/M0/Off duty>)l]!-/"6S}
>
> Mark Phillips G7LTT/KC2ENI
> Randolph, NJ 07869
>
> > But SSID only implies an ICON when the packet transmitted is a raw
> > GPS NMEA string.  Otherwise it means nothing.  But for simplicity, most
> > folks stick to these major conventinions for easy observations:
>
> ---
> You are currently subscribed to aprssig as: mwrobertson@attbi.com
> To unsubscribe send a blank email to leave-aprssig-842K@lists.tapr.org
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--

- Robbie Robertson -
...-.- wa9inf ...-.-

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---

829. [aprssig] D700A TimeStamp problem

From: "Brian B. Riley \(N1BQ\) ListAcct" <n1bq_list@wulfden.org>
Date: Tue, 23 Apr 2002 23:48:43 -0400
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: "Bob Bruninga \(WB4APR\)" <bruninga@usna.edu>
Message-ID: <LYR842-76064-2002.04.23-23.23.07--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

```
I just put a new D700A (well I bought it few months ago)on the air in our
new Ford Explorer for a trip to Maine this past week and I am seeing
something strange on the timestamps in message and list. The time doesn't
seem to 'roll over' ... that is, I get times like 26:12 and 30:04, If I go
to the POS screen and punch "settime' everything is cool but if I leave it
on all day through a GMT rollover , the times get screwed aagin. It never
happened with my other D700 so I am quite puzzled!

Has anybody seen this? What have I overlooked?

  cheers ... brian, n1bq



---
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```

---

830. [aprssig] RE: D700A TimeStamp problem

From: "Jack Smith" <jrs38801@bellsouth.net>
Date: Tue, 23 Apr 2002 22:54:12 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: "Bob Bruninga \(WB4APR\)" <bruninga@usna.edu>
Message-ID: <LYR842-76065-2002.04.23-23.28.30--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

```
Cool!!  Weird but cool!  I've been trying to figure out how to get more
hours in a day...

Jack KE4LWT

-----Original Message-----
From: bounce-aprssig-26384@lists.tapr.org
[mailto:bounce-aprssig-26384@lists.tapr.org]On Behalf Of Brian B. Riley
(N1BQ) ListAcct
Sent: Tuesday, April 23, 2002 10:49 PM
To: TAPR APRS Special Interest Group
Cc: Bob Bruninga (WB4APR)
Subject: [aprssig] D700A TimeStamp problem



I just put a new D700A (well I bought it few months ago)on the air in our
new Ford Explorer for a trip to Maine this past week and I am seeing
something strange on the timestamps in message and list. The time doesn't
seem to 'roll over' ... that is, I get times like 26:12 and 30:04, If I go
to the POS screen and punch "settime' everything is cool but if I leave it
on all day through a GMT rollover , the times get screwed aagin. It never
happened with my other D700 so I am quite puzzled!

Has anybody seen this? What have I overlooked?

  cheers ... brian, n1bq


---
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```

---

831. [aprssig] RE: D700A TimeStamp problem

From: "Josh Gould" <kc8eqa@columbus.rr.com>
Date: Tue, 23 Apr 2002 23:58:55 -0400
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-76066-2002.04.23-23.33.19--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

That reminds me. Since we went to Eastern Daylight Time, My data from
my GPS is one hour off. Both the D700 and the eTrex are set to the
right time zone. Any Ideas.

73's
Josh
KC8EQA
EN80KA

-----Original Message-----
From: bounce-aprssig-28041@lists.tapr.org
[mailto:bounce-aprssig-28041@lists.tapr.org] On Behalf Of Brian B. Riley
(N1BQ) ListAcct
Sent: Tuesday, April 23, 2002 11:49 PM
To: TAPR APRS Special Interest Group
Cc: Bob Bruninga (WB4APR)
Subject: [aprssig] D700A TimeStamp problem

I just put a new D700A (well I bought it few months ago)on the air in
our
new Ford Explorer for a trip to Maine this past week and I am seeing
something strange on the timestamps in message and list. The time
doesn't
seem to 'roll over' ... that is, I get times like 26:12 and 30:04, If I
go
to the POS screen and punch "settime' everything is cool but if I leave
it
on all day through a GMT rollover , the times get screwed aagin. It
never
happened with my other D700 so I am quite puzzled!

Has anybody seen this? What have I overlooked?

cheers ... brian, n1bq

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---

832. [aprssig] Extra Dayton rooms available

From: Ralph Fowler <rwf@mindspring.com>
Date: Wed, 24 Apr 2002 00:33:57 -0400
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-76080-2002.04.24-00.09.34--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

I've 4 extra rooms for the Dayton Hamvention.
They are at a reasonably priced 3 year old major chain Motel, not too far
from the Hamvention, and are for Thursday Friday and Saturday nights
They are all double rooms (2 beds) and are in the non-smoking section.
Please Email me if you desire one or more of these.
I can't remember, but I think they are 80 or 89 $ plus tax, per night

Ralph N4NEQ
IRLP Atlanta Node 450
Andrews, NC APRS Digi
Atlanta Ga APRS Digi

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---

833. [aprssig] Re: WinAPRS and updates

From: Skip <sallison@megsinet.net>
Date: Wed, 24 Apr 2002 00:27:36 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-76085-2002.04.24-01.02.25--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

```
The original question and statement was about WinAPRS.
Precision
> Mapping is not WinAPRS, and WinAPRS HAS been updated much more recently
> than "years" ago.
>
>          Earl

But PM HAS been updated (I think they're up to 4.5 or 5 now) and WinAPRS
has not been updated to be able to use the newer versions.  My biggest
complaint on PM 3 is that the names of the towns are almost all wrong -
or not there - or in the wrong location.  When will we see WinAPRS work
with a decent version of PM?  When will DFing be fixed in WinAPRS?  I
really like the way it works much better than APRS+.  But I have to
revert to APRS+ for fox hunting (because DFing doesn't work in WinAPRS)
and navigation (because of the wrong town names in PM)

Skip
K9SA

---
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```

834. [aprssig] Re: APRS Pizza

From: "Robert Mahoney" <rgmahoney@ameritech.net>
Date: Wed, 24 Apr 2002 6:8:21
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-76101-2002.04.24-06.42.39--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

```
Bob writes with much wisdom in his reply.  His number 2 point is the key.
When Sid, NH7C, moved from his appartment complex back about 97ish we lost
access to his party room.  Marion's was the only place we could find on
short notice that didn't want a deposit or exact head count to size their
serving staff.  Although we arranged to use their private room the first
year, it filled up pretty fast.  I think that's why Sid went with the open
seating area the following year.  Yes it's noisy and it's not my favorite
place to eat in this area, but the "pay as you go" arrangements are perfect
for this APRS group.  Now if one of you would like to volunteer a credit
card number and hope to collect from all attendees we can do some fancy
dining in a private room somewhere in the area.  When I attend these events
it's for the fellowship.

Someone asked about GPS coordinates for Marion's.  If you have the data
available from 1997's Hamvention the GPS coordinates were broadcast on
Friday and Saturday that year.  If anyone really needs them I can get them
again and post them here.

I'll do what I can to help James Smith prepare for this event but
unfortunately I can't make Hamvention this year.  You folks have fun!

Bob
wb8cxn

---
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```

835. [aprssig] RE: D700A TimeStamp problem

From: Ryan Wilkins <ryan@deadfrog.net>
Date: Wed, 24 Apr 2002 07:24:46 -0400 (EDT)
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: TAPR APRS Special Interest Group <aprssig@lists.tapr.org>
Message-ID: <LYR842-76102-2002.04.24-06.59.03--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

```
You have to manually set the time offset from GMT in the radio.  It's somewhere
within the menu's but I can't remember where since I only use that function
twice a year.  The GPS outputs the time in GMT.

On Tue, 23 Apr 2002, Josh Gould wrote:
```

> That reminds me. Since we went to Eastern Daylight Time, My data from
> my GPS is one hour off. Both the D700 and the eTrex are set to the
> right time zone. Any Ideas.

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836. [aprssig] Re: D700A TimeStamp problem

From: "Bill Cook" <willcook@adelphia.net>
Date: Wed, 24 Apr 2002 06:48:23 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-76104-2002.04.24-07.22.40--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

I had the exact same situation on my D700 "out of the box". A full reset
cleared it up (p. 41 of manual).   ... Bill

>
> I just put a new D700A (well I bought it few months ago)on the air in our
> new Ford Explorer for a trip to Maine this past week and I am seeing
> something strange on the timestamps in message and list. The time doesn't
> seem to 'roll over' ... that is, I get times like 26:12 and 30:04, If I go
> to the POS screen and punch "settime' everything is cool but if I leave it
> on all day through a GMT rollover , the times get screwed aagin. It never
> happened with my other D700 so I am quite puzzled!
>
> Has anybody seen this? What have I overlooked?

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837. [aprssig] Re: Panvise

From: "Tim Cunningham" <tim_cunningham@mindspring.com>
Date: Wed, 24 Apr 2002 07:25:25 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-76108-2002.04.24-08.09.34--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

I added the pictures of my Panavise mount in the Jeep to my web site at
www.qsl.net/n8deu

Follow the link to the Kenwood D700 mount with Panavise in the APRS links.

73's,

Tim - N8DEU
Huntsville, Alabama

----- Original Message -----
From: "Dave Kaplan" <dkaplan@steffeninc.com>
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Sent: Tuesday, April 23, 2002 10:11 AM
Subject: [aprssig] Panvise

> I sent an e-mail to gigaparts.com trying to order a Panvise bracket for my
> Suburban. Below is their response:
>
> >From: "George M. Howard" <george@gigaparts.com>
> >To: "Dave Kaplan" <dkaplan@steffeninc.com>
> >References: <4.3.2.7.2.20020423075535.00dae2a0@pop3.spa.norton.antivirus>
> >Subject: Re: Price Quote
> >Date: Tue, 23 Apr 2002 10:05:27 -0500
> >
> >
> >   Hi Dave!

```
> >
> >     Unfortunately we do not carry Panavise.
> >
> >- George




---
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```

838. [aprssig] Re: Should I turn my Igate off?

From: Bob Bruninga <bruninga@usna.edu>
Date: Wed, 24 Apr 2002 08:36:03 -0400 (EDT)
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: TAPR APRS Special Interest Group <aprssig@lists.tapr.org>
Message-ID: <LYR842-76110-2002.04.24-08.10.45--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

```
On Tue, 23 Apr 2002, Mark Phillips wrote:

> I run newyork.aprs.net. It's located some 600ft asl in downtown Manhattan.
> Bearing in mind that I can see some 4 or 5 digi's (dunno if any of them
> igate) and Bob's suggestion that we no longer run high up nodes. I'm
> thinking about shutting it down.

Well, I think it is much better to not shut it down, but simply QSY the
output.  In fact, if you were really lucky, a good output freq would be
144.39 + 600 or 145.99 if it is not already in use.

Thus it still can hear everything, it still can be heard by anyone that
wants to, and anyone can use it exclusively by going to a + offset.  In
our area that freq is reserved for Packet (but I dont know if it is
currently claimed)...

In fact, since only the BIG WIDEAREA machines are in this situation, and
those are widely separated, then it might seem that all such WIDEAREA
machines could do the same thing, since someone on the ground would surely
only be able to hear mostly only one of these...

Good luck.  I think I will start monitoring
144.99 to see who is there...

Bob, WB4APR



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839. [aprssig] Re: WinAPRS and updates

From: Earl Needham <needhame@yucca.net>
Date: Wed, 24 Apr 2002 06:45:34 -0600
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-76112-2002.04.24-08.22.15--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

```
At 12:27 AM 4/24/2002 -0500, Skip wrote:
>          The original question and statement was about WinAPRS.
>Precision
> > Mapping is not WinAPRS, and WinAPRS HAS been updated much more recently
> > than "years" ago.
> >
> >          Earl
>
>But PM HAS been updated (I think they're up to 4.5 or 5 now) and WinAPRS
>has not been updated to be able to use the newer versions.
><snip of PM complaint and WinAPRS features complaints>

         That has nothing to do with the original statement.  Look again --

At 08:25 AM 4/22/2002 +0000, J.Duffy Beischel wrote:
><snip>
>WinAPRS has not been touched in a number of years and has a much higher
>registration fee.
```

```
        Now will you continue to argue that WinAPRS hasn't been touched
"in years" when the latest WinAPRS.exe is dated May 16,2001, less than a
year ago?

         Or perhaps you haven't downloaded a new copy "in years".

         Earl


Earl Needham, KD5XB, Clovis, New Mexico
KD5XB-2>APW251,PCSAT-1*:=3425.83N/10313.55W-PHG7150/WinAPRS 2.5.1
-EARL_CLOVIS -251-<630>
Did you get a letter from Nigeria offering a "deal"?  See
http://home.rica.net/alphae/419coal/ and
http://www.crimes-of-persuasion.com/Crimes/Business/nigerian.htm


---
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840. [aprssig] Re: Should I turn my Igate off?

From: "J.Duffy Beischel" <wb8nut@arrl.net>
Date: Wed, 24 Apr 2002 8:14:17
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-76114-2002.04.24-08.48.34--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

```
Isn't 145.99 already in use as a sat downlink?

---
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841. [aprssig] Re: Should I turn my Igate off?

From: "Ramon F. Kolb" <ramon@ieee.org>
Date: Wed, 24 Apr 2002 09:19:03 -0400
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-76116-2002.04.24-08.54.15--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

```
Right.... 144.39 + 0.6 = 144.99 and not 145.99 :-)
I guess that's what Bob meant

--Ramon W1/PA3EUG, Boston, MA, USA [FN42KI]
Join BEACONet^31 at 28.131! See http://go.to/BEACONet and
http://pa3eug.webhop.org/beaconet . ICQ 77117744

----- Original Message -----
From: "J.Duffy Beischel" <wb8nut@arrl.net>
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Sent: Wednesday, April 24, 2002 08:14
Subject: [aprssig] Re: Should I turn my Igate off?


> Isn't 145.99 already in use as a sat downlink?
>
> ---
> You are currently subscribed to aprssig as: ramon@ieee.org
> To unsubscribe send a blank email to leave-aprssig-842K@lists.tapr.org
> Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org
>
>



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842. [aprssig] Re: APRS Pizza

From: "Horzepa, Stan" <SHorzepa@c-cor.net>
Date: Wed, 24 Apr 2002 09:23:15 -0400
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>

Message-ID: <LYR842-76120-2002.04.24-09.03.04--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

```
The coordinates for APRS Pizza are 39 deg 47.816' North, 84 deg 11.574' West
give or take a few seconds. I'll have a map available tonight at
http://www.tapr.org/~wa1lou/2002/2002.html

Stan, WA1LOU

---
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```

843. [aprssig] Re: Should I turn my Igate off?

From: "hasan schiers" <schiers@netins.net>
Date: Wed, 24 Apr 2002 08:31:47 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-76123-2002.04.24-09.08.34--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

```
145.99 is ISS uplink for packet.

----- Original Message -----
From: "J.Duffy Beischel" <wb8nut@arrl.net>
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Sent: Wednesday, April 24, 2002 8:14 AM
Subject: [aprssig] Re: Should I turn my Igate off?


> Isn't 145.99 already in use as a sat downlink?
>
> ---
> You are currently subscribed to aprssig as: schiers@netins.net
> To unsubscribe send a blank email to leave-aprssig-842K@lists.tapr.org
> Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org
>
>



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```

844. [aprssig] Re: APRS Pizza

From: "Horzepa, Stan" <SHorzepa@c-cor.net>
Date: Wed, 24 Apr 2002 09:23:15 -0400
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-76125-2002.04.24-09.21.46--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

```
The coordinates for APRS Pizza are 39 deg 47.816' North, 84 deg 11.574' West
give or take a few seconds. I'll have a map available tonight at
http://www.tapr.org/~wa1lou/2002/2002.html

Stan, WA1LOU

---
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Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org
```

845. [aprssig] Re: D700A TimeStamp problem

From: Dick Reichenbach <dreichen@columbus.rr.com>
Date: Wed, 24 Apr 2002 09:56:29 -0400
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-76127-2002.04.24-09.29.57--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

```
Mine has also always done this out of the box.  I never thought to do a full
reset.
```

Bill Cook wrote:

> I had the exact same situation on my D700 "out of the box". A full reset
> cleared it up (p. 41 of manual).   ... Bill
>

Dick Reichenbach KC8OBZ

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Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

846. [aprssig] RE: D700A TimeStamp problem

From: "Randy Allen - KA□AZs" <ka0azs@commkey.net>
Date: Wed, 24 Apr 2002 09:59:02 -0400
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-76128-2002.04.24-09.38.19--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

>From the PDF version of the Specialized Communications Manual, Page 12:

MENU 1-6-5 (RADIO-TNC-TIME ZONE SET-UTC)

Guess we need to set up an automatic broadcast reminder each April and October to remind folks (took me a week to notice and fix it) :-)

73 and good luck

Randy Allen, KA□AZS
Asst. EC Montgomery CO Ohio
OH Dist. 3 ARES Web Page:
www.qsl.net/ohd3ares/
----- Original Message -----
From: Josh Gould
Sent: 4/23/2002 11:58:55 PM
To: aprssig@lists.tapr.org
Subject: [aprssig] RE: D700A TimeStamp problem

> That reminds me. Since we went to Eastern Daylight Time, My data from
> my GPS is one hour off. Both the D700 and the eTrex are set to the
> right time zone. Any Ideas.
>
> 73's
> Josh
> KC8EQA
> EN80KA
>
> >

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Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

847. [aprssig] RE: D700A TimeStamp problem

From: "Ronald Reams" <wa4mjf@worldnet.att.net>
Date: Wed, 24 Apr 2002 10:09:28 -0400
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-76129-2002.04.24-09.43.10--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Just set ur clock to UTC and forget it.

73 de Ronnie

----- Original Message -----
From: "Randy Allen - KAØAZs" <ka0azs@commkey.net>
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Sent: Wednesday, April 24, 2002 09:59
Subject: [aprssig] RE: D700A TimeStamp problem

>From the PDF version of the Specialized Communications Manual, Page 12:

MENU 1-6-5 (RADIO-TNC-TIME ZONE SET-UTC)

Guess we need to set up an automatic broadcast reminder each April and
October to remind folks (took me a week to notice and fix it) :-)

73 and good luck

Randy Allen, KA0AZS
Asst. EC Montgomery CO Ohio
OH Dist. 3 ARES Web Page:
www.qsl.net/ohd3ares/
----- Original Message -----
From: Josh Gould
Sent: 4/23/2002 11:58:55 PM
To: aprssig@lists.tapr.org
Subject: [aprssig] RE: D700A TimeStamp problem

That reminds me. Since we went to Eastern Daylight Time, My data from
my GPS is one hour off. Both the D700 and the eTrex are set to the
right time zone. Any Ideas.

73's
Josh
KC8EQA
> EN80KA

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---

848. [aprssig] Panavise IndDash Mounts

From: Ryan Tourge <ryrto@yahoo.com>
Date: Wed, 24 Apr 2002 07:37:05 -0700 (PDT)
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-76135-2002.04.24-10.11.21--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

I knew I saw those somewhere! You should be able to
get those mounts from any cellular store that does
installations. That is what they where originally made
for. I think Tessco has them also.

Here is the link to panavise site
http://www.panavise.com/f/comm/indash/index.html

They really do work great. My only complaint is that
some models are installed just into the pathway of the
passenger air bag.

Ryan
N2YQT

____
Do You Yahoo!?
Yahoo! Games - play chess, backgammon, pool and more
http://games.yahoo.com/

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---

849. [aprssig] Re: APRS Pizza

From: "Jason Rausch" <ke4nyv@msn.com>
Date: Wed, 24 Apr 2002 9:37:24
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-76136-2002.04.24-10.12.00--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Hey Stan, I see you added me to the list, thankx, but I'm KE4NYV-15.
No big deal 73's
Jason KE4NYV
www.ke4nyv.com

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---

850. [aprssig] Re: D700A TimeStamp problem

From: Rick Edwards <threepalms@earthlink.net>
Date: Wed, 24 Apr 2002 07:51:05 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: TAPR APRS Special Interest Group <aprssig@lists.tapr.org>
Message-ID: <LYR842-76140-2002.04.24-10.24.46--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Brian,

Been there...done that. The D700 does seem to have this little problem. Mine had it when I purchased it and also again when I got it back from Kenwood when the FET front-end on the two meter main receiver died. Here's the fix:

To do a master clock reset (which seems to take care of the rollover problem), press REV+LOW+POWER ON from the OFF mode.

You can find this info in the Kenwood Service Manual and also in the lower right corner of Page 12 of the "Specialized Communications" Manual that came with your radio.

Good luck.

Rick - K6TVI

"Brian B. Riley (N1BQ) ListAcct" wrote:

> I just put a new D700A (well I bought it few months ago)on the air in our
> new Ford Explorer for a trip to Maine this past week and I am seeing
> something strange on the timestamps in message and list. The time doesn't
> seem to 'roll over' ... that is, I get times like 26:12 and 30:04, If I go
> to the POS screen and punch "settime' everything is cool but if I leave it
> on all day through a GMT rollover , the times get screwed aagin. It never
> happened with my other D700 so I am quite puzzled!
>
> Has anybody seen this? What have I overlooked?
>
>   cheers ... brian, n1bq
>
> ---
> You are currently subscribed to aprssig as: threepalms@earthlink.net
> To unsubscribe send a blank email to leave-aprssig-842K@lists.tapr.org
> Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

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---

851. [aprssig] Re: Should I turn my Igate off?

From: Ken Collins <g4fip@btinternet.com>
Date: Wed, 24 Apr 2002 15:12:37 +0100
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-76147-2002.04.24-10.48.39--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

In article <LYR26201-76123-2002.04.24-09.08.34--g4fip#btinternet.com@lis
ts.tapr.org>, hasan schiers <schiers@netins.net> writes
>145.99 is ISS uplink for packet.
>

I think Bob meant 144.99 MHz.

--
Ken Collins - G4FIP
E-mail:- g4fip@btinternet.com
http://www.btinternet.com/~g4fip

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852. [aprssig] digi again

From: Ken Cechura <kcechura@umr.edu>
Date: Wed, 24 Apr 2002 10:15:37 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-76148-2002.04.24-10.50.03--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

it worked yesterday, really it did!! well, we had some power failures here, and i dont know how well the battery works in my KAM....it was ok today when i reset it, but i had to reset all my settings again this morning.. I hate getting phone calls at 1AM asking how to reset the digi... told em to just shut it off, so EEE-3 was offline until 9:50 this morning. Luckily Eudora keeps all my email on my HD, so Im only missing one setting that someone gave me over a repeater last night....i remember most of it, but i think something might be wrong with it....

aaannnyyywwaaayyy.... what is the recommended setting for UNPROTO? would it be "UNPROTO APRS VIA WIDE" or "UNPROTO APRS VIA WIDE3-3" or.....

help?

thanks
Ken

```
      //////////////////////////////////////////////////////
     //        Kenneth R. Cechura, KC9UMR                //
    //             kcechura@umr.edu                     //
   //           President, W0EEE, 2002                 //
  // University of Missouri-Rolla Amateur Radio Club  //
//////////////////////////////////////////////////////
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---

853. [aprssig] Re: Panavise IndDash Mounts

From: Gerry Creager N5JXS <gerry@cs.tamu.edu>
Date: Wed, 24 Apr 2002 10:33:15 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: TAPR APRS Special Interest Group <aprssig@lists.tapr.org>
Message-ID: <LYR842-76170-2002.04.24-11.09.24--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

I've one of these in my Suburban, and it *just* works real well.

gerry n5jxs

Ryan Tourge wrote:

```
> I knew I saw those somewhere! You should be able to
> get those mounts from any cellular store that does
> installations. That is what they where originally made
> for. I think Tessco has them also.
>
> Here is the link to panavise site
> http://www.panavise.com/f/comm/indash/index.html
>
> They really do work great. My only complaint is that
> some models are installed just into the pathway of the
> passenger air bag.
>
> Ryan
> N2YQT
>
>
> __________________________________________________
> Do You Yahoo!?
> Yahoo! Games - play chess, backgammon, pool and more
> http://games.yahoo.com/
>
> ---
> You are currently subscribed to aprssig as: gerry@cs.tamu.edu
> To unsubscribe send a blank email to leave-aprssig-842K@lists.tapr.org
> Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org
>
```

--
--
Gerry Creager -- gerry@cs.tamu.edu
Network Engineering
Academy for Advanced Telecommunications and Learning Technologies
Texas A&M University   979.458.4020 (Phone) -- 979.847.8578 (Fax)

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---

854. [aprssig] Digital BASH Update

From: John Ackermann   N8UR <jra@febo.com>
Date: Wed, 24 Apr 2002 11:21:33 -0400
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-76152-2002.04.24-10.56.29--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

We're very happy to announce that Bdale Garbe, KB0G, will be the keynote speaker at the TAPR/MVFMA Digital BASH on Friday evening at Hamvention.

Bdale is one of the long-time "good guys" in the digital radio and amateur satellite worlds. He was in the middle of the early work on KA9Q's "NET" and "NOS" programs, pioneered megabit-rate packet radio, and in the satellite world was heavily involved in the RUDAK and AO-40 GPS experiments. Back in the Old Days, he was a board member and Vice President of TAPR, and remains one of TAPR's best friends. On a different front, Bdale was just elected as Debian Project Leader, so he now oversees one of the major Linux distributions -- and the one that is by far the most ham-friendly. Bdale works in the Linux development group at HP, and in his spare (?) time does VHF/UHF/microwave contesting and roaming.

Bdale's talk will blend all of these interests into an entertaining and informative presentation titled "From Bits in the Basement to Debian -- and Back Again".

You can find more information about the Digital BASH and TAPR's other Hamvention activities at http://www.tapr.org/tapr/dayton/.

See you there!

73,
John

John Ackermann   N8UR   jra@febo.com   http://www.febo.com
President, TAPR   n8ur@tapr.org   http://www.tapr.org

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Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

---

855. [aprssig] ok, it works, now....

From: Ken Cechura <kcechura@umr.edu>
Date: Wed, 24 Apr 2002 12:41:09 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-76194-2002.04.24-13.15.38--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

now, i got it to digipeat, i got it to show up op the map....now the big question:

I have been using hyperterm to configure everything, and i would like to watch everything on the computer thats connected.... I don't have a registered copy of winaprs, but would like to be able to open it and see whats going on....no internet to the computer, so findu or javAPRS are out for the time being.... I would just like somehting to watch the TNC output and display the stations that are running traffic through me....is this possible, and if so, how? (am i making sense? i dont know....)

thanks
Ken

      //

```
     //        Kenneth R. Cechura, KC9UMR                //
    //             kcechura@umr.edu                     //
   //           President, W0EEE, 2002                 //
  // University of Missouri-Rolla Amateur Radio Club  //
//////////////////////////////////////////////////////
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---

856. [aprssig] Re: ok, it works, now....

From: "Ronald Reams" <wa4mjf@worldnet.att.net>
Date: Wed, 24 Apr 2002 13:48:04 -0400
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-76203-2002.04.24-13.21.46--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Ken, the easiest way is to hook a 'puter with a
terminal program (or a dumb terminal) to a
TNC. Tune the associated radio to 144.39
and watch !

73 de Ronnie

----- Original Message -----
From: "Ken Cechura" <kcechura@umr.edu>
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Sent: Wednesday, April 24, 2002 13:41
Subject: [aprssig] ok, it works, now....

now, i got it to digipeat, i got it to show up op the map....now the big
question:

I have been using hyperterm to configure everything, and i would like to
watch everything on the computer thats connected.... I don't have a
registered copy of winaprs, but would like to be able to open it and see
whats going on....no internet to the computer, so findu or javAPRS are out
for the time being.... I would just like somehting to watch the TNC output
and display the stations that are running traffic through me....is this
possible, and if so, how? (am i making sense? i dont know....)

thanks
Ken

```
      //////////////////////////////////////////////////////
     //        Kenneth R. Cechura, KC9UMR                //
    //             kcechura@umr.edu                     //
   //           President, W0EEE, 2002                 //
  // University of Missouri-Rolla Amateur Radio Club  //
//////////////////////////////////////////////////////
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Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

---

857. [aprssig] Pizza or Banquet

From: "Dave Sloan" <desloan@earthlink.net>
Date: Wed, 24 Apr 2002 12:15:06 -0600
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-76206-2002.04.24-13.49.45--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

What a choice for a first time attendee. I didn't realize that the Pizza was
scheduled for the same time as the Banquet. When I ordered my tickets a
couple of months ago I ordered the banquet tickets also. Maybe I'll scalp
them and make the Pizza bash. Anyway I'll see everyone in Dayton.

73,
Dave N0EOP

```
---
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Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org
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858. [aprssig] Re: Pizza or Banquet

From: "Jason Rausch" <ke4nyv@msn.com>
Date: Wed, 24 Apr 2002 13:53:39
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-76216-2002.04.24-14.28.02--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

```
I beleive the Banquet is Friday night and the Pizza deal is saturday
night.
73's
Jason KE4NYV
www.ke4nyv.com

---
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To unsubscribe send a blank email to leave-aprssig-842K@lists.tapr.org
Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org
```

859. [aprssig] next question

From: Ken Cechura <kcechura@umr.edu>
Date: Wed, 24 Apr 2002 13:57:32 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-76217-2002.04.24-14.31.53--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

```
GOT IT ALL UP AND WORKING.  Am using a KAM with firmware 8.2.  How do i
back up all the commands so i can restore them later, should power fail again?

thanks
Ken

      ////////////////////////////////////////////////////////
     //        Kenneth R. Cechura, KC9UMR                //
    //            kcechura@umr.edu                     //
   //           President, W0EEE, 2002                //
  // University of Missouri-Rolla Amateur Radio Club  //
////////////////////////////////////////////////////////



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```

860. [aprssig] Re: Pizza or Banquet

From: James Smith <k9apr@tawg.org>
Date: Wed, 24 Apr 2002 13:58:29 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-76218-2002.04.24-14.34.05--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

```
Dave,

The Banquet and the Pizza deal has always been on separate days. Friday May 17th
is the Banquet, 18th is the Pizza.... So you can attend both if you want.

Dave Sloan wrote:

> What a choice for a first time attendee. I didn't realize that the Pizza was
> scheduled for the same time as the Banquet. When I ordered my tickets a
> couple of months ago I ordered the banquet tickets also. Maybe I'll scalp
> them and make the Pizza bash. Anyway I'll see everyone in Dayton.
>
> 73,
> Dave N0EOP
>
> ---
> You are currently subscribed to aprssig as: k9apr@tawg.org
> To unsubscribe send a blank email to leave-aprssig-842K@lists.tapr.org
> Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org
```

--
73, James, K9APR
Chairman\Coordinator
Tri-State APRS Working Group
http://www.tawg.org
mailto:k9apr@tawg.org
Run a APRS Site? Why not join the APRS Webring http://www.tawg.org/join.htm

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To unsubscribe send a blank email to leave-aprssig-842K@lists.tapr.org
Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

---

861. [aprssig] Re: Pizza or Banquet

From: John Hansen <hansen@fredonia.edu>
Date: Wed, 24 Apr 2002 15:04:20 -0400
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-76219-2002.04.24-14.40.43--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

He's not talking about the TAPR banquet, he's talking about the main Dayton banquet. Actually, holding the Pizza thing on Saturday is a really great idea. I'm not really keen on large formal banquets, and in fact, I've been going to Dayton for almost 20 years and don't really know anyone who regularly attends the Dayton banquet. I'm not being critical of the Banquet, its just that I've never met anyone who's actually attended it. However, for some years there was not much of anything else to do on Saturday Night because no one wanted to schedule anything opposite the Banquet. The idea of holding something less formal and doing it on Saturday night is fairly revolutionary and really a good idea.

BTW, I would second the idea of finding a good BBQ restaurant, but I suspect that's going to be difficult.

At 01:53 PM 4/24/2002 +0000, you wrote:
>I beleive the Banquet is Friday night and the Pizza deal is saturday
>night.
>73's
>Jason KE4NYV
>www.ke4nyv.com
>
>---
>You are currently subscribed to aprssig as: hansen@fredonia.edu
>To unsubscribe send a blank email to leave-aprssig-842K@lists.tapr.org
>Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

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Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

---

862. [aprssig] Re: Pizza or Banquet

From: "Randy Allen - KA0AZs" <ka0azs@commkey.net>
Date: Wed, 24 Apr 2002 15:17:44 -0400
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-76222-2002.04.24-14.57.05--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Uh, James, which banquet are you talking about? The Hamvention Banquet is (and always has been) on Saturday night of the weekend. There are other get togethers on Friday night, so maybe that's the confusion.

I just double checked the Hamvention site (http://www.hamvention.org/) and made sure the banquet hasn't moved.

Randy Allen, KA0AZS
Asst. EC Montgomery CO Ohio
OH Dist. 3 ARES Web Page:
www.qsl.net/ohd3ares/
----- Original Message -----
From: James Smith
Sent: 4/24/2002 2:58:29 PM
To: aprssig@lists.tapr.org

Subject: [aprssig] Re: Pizza or Banquet

> Dave,
>
> The Banquet and the Pizza deal has always been on separate days. Friday May 17th
> is the Banquet, 18th is the Pizza.... So you can attend both if you want.
>
> Dave Sloan wrote:
>
> > What a choice for a first time attendee. I didn't realize that the Pizza was
> > scheduled for the same time as the Banquet. When I ordered my tickets a
> > couple of months ago I ordered the banquet tickets also. Maybe I'll scalp
> > them and make the Pizza bash. Anyway I'll see everyone in Dayton.
> >
> > 73,
> > Dave N0EOP
> >
>

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---

863. [aprssig] New Canadian Pocket APRS maps!

From: Henk de Groot <henk.de.groot@hetnet.nl>
Date: Wed, 24 Apr 2002 21:09:04 +0200
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-76223-2002.04.24-15.00.00--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Hello All,

For your information.

There are new PocketAPRS maps for Provinces of Canada which is also usable with APRS/CE, Xastir, MacAPRS 3.5.2 and WinAPRS 2.5.2 (Haven't seen this one released yet, Keith tested it a few months back) or better.

A Canadian ham asked me if I could convert the splendid APRS maps for the Canadian provinces by VE3ADJ and VE2AW. Both authors gave permission to publish the converted maps (and allowed me to convert even more, which I might do some day).

These are about the best maps I've made to date. Not only because my conversion tools finally handles labels and can insert dummy points in long vectors (allowing more accuracy), but also because of the very good source material of VE3ADJ and VE2AW. As with the Dutch map these maps use layering - showing more detail as you zoom in. So don't be disappointed when you look at the maps at 1x zoom, but zoom in and be amazed! Also the more you zoom in, the more labels show up on the screen.

Canadian maps:

File	Province	Source
marc.pdb	New Brunswick, Nova Scotia	VE3ADJ
pqhighw2.pdb	Quebec Highways	VE2AW
nontc.pdb	Northern Ontario	VE3ADJ
sontc5c.pdb	Southern Ontario	VE3ADJ
smb1.pdb	Southern Manitoba	VE3ADJ
ssk.pdb	Southern Saskatchewan	VE3ADJ
sab2.pdb	Southern Alberta	VE3ADJ
sbc2.pdb	Southern Brittish Columbia	VE3ADJ
yukon.pdb	Yukon Territory	VE3ADJ

Every time I work with pocketAPRS maps it surprises me over and over how efficient they are. All the information from the original map is present but the size is still low. All the provinces fit in a ZIP file of about 1 MB. So I hope the author of pocketAPRS will attract a lot new customers due to all these maps!

You can find the new maps, with other maps, on:
http://www.homepages.hetnet.nl/~pe1dnn/
(You may have to reload the map if you have a cached copy).

Kind regards,

Henk.

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---

864. [aprssig] Re: Pizza or Banquet

From: "Jeff King" <transit_man@hotmail.com>
Date: Wed, 24 Apr 2002 19:31:32 +0000
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-76224-2002.04.24-15.05.58--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

John Hansen <hansen@fredonia.edu> wrote:

>The idea of holding something less formal and doing it on
>Saturday night is fairly revolutionary and really a good idea.

Didn't TAPR used to have their McNasty's get together on Saturday evening?

But I do agree with you that something more focus'ed and hands on is much better then the banquet. Did you see TAPR is having Bdale Garbee as a speaker on Friday? This should be good.

-Jeff

____
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---

865. [aprssig] Re: Should I turn my Igate off?

From: "Rich Garcia" <k4gps@bellsouth.net>
Date: Wed, 24 Apr 2002 15:43:56 -0400
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-76231-2002.04.24-15.18.21--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Maybe I am missing something here but are we not jumping the gun here ?? By what I saw in the original post the author had a digi at 600ft in Manhattan, knowing the area somewhat since I grew up in the "since changed" skyline of NYC and visit on occasion I know that there are not TOO many digi's in the area. Just because there is a digi at 600ft there is much more info needed before the "plug is pulled" on .39.

1) What other digi's are in the area
2) How good are the other digi's (no 50ft digi's please)
3) How well do they cover the Manhattan area
4) How well does this 600ft digi do considering a RF Mess like NYC
5) 600ft may not be all that much depending on what else is around it, shadows, blocking etc.

The only digi's that I know of in the area is West Orange and Staten Island. I just brought up AHUB East and using Pmap all I see is the NYC Linux Igate, ANOTHER ONE 13 miles west in West Orange and the closest digi is in South River about 30 miles to the South West.I know that N2MH had a digi up but I think he is only a Igate now, and on LI I see a WIDE/NODE icon but it also shows at 20ft. With Staten Island and West Orange Digi's gone that only leaves Mark's digi up and on the air servicing a VERY LARGE population area.

South River at 30 miles away is only at 40ft and the Sproul's Neighbor Scott's digi is at 160ft 37 miles away and Stan's Digi in CT at 83 miles away.I have always said that there are no hard and fast rules in communications, we need to use good judgement. Nothing is high and nothing is low it all depends on the enviroment. A digi at 40ft is a WIDE if there is nothing else within 50 miles or so but a digi at 200ft should also not exist if there is another one 30 miles away at 1600ft!

Change the output of this 600ft digi and all the D7's and others driving through NYC Metro area will not see a thing.

Rich K4GPS
k4gps@bellsouth.net

-----Original Message-----

From: bounce-aprssig-19959@lists.tapr.org
[mailto:bounce-aprssig-19959@lists.tapr.org]On Behalf Of Bob Bruninga
Sent: Wednesday, April 24, 2002 8:36 AM
To: TAPR APRS Special Interest Group
Cc: TAPR APRS Special Interest Group
Subject: [aprssig] Re: Should I turn my Igate off?

On Tue, 23 Apr 2002, Mark Phillips wrote:

> I run newyork.aprs.net. It's located some 600ft asl in downtown Manhattan.
> Bearing in mind that I can see some 4 or 5 digi's (dunno if any of them
> igate) and Bob's suggestion that we no longer run high up nodes. I'm
> thinking about shutting it down.

Well, I think it is much better to not shut it down, but simply QSY the output. In fact, if you were really lucky, a good output freq would be 144.39 + 600 or 145.99 if it is not already in use.

Thus it still can hear everything, it still can be heard by anyone that wants to, and anyone can use it exclusively by going to a + offset. In our area that freq is reserved for Packet (but I dont know if it is currently claimed)...

In fact, since only the BIG WIDEAREA machines are in this situation, and those are widely separated, then it might seem that all such WIDEAREA machines could do the same thing, since someone on the ground would surely only be able to hear mostly only one of these...

Good luck. I think I will start monitoring
144.99 to see who is there...

Bob, WB4APR

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---

866. [aprssig] Re: Should I turn my Igate off?

From: "Rich Garcia" <k4gps@bellsouth.net>
Date: Wed, 24 Apr 2002 15:49:17 -0400
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-76232-2002.04.24-15.23.47--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

One more thing, I just noticed that another WIDE poped up 6 miles north of
the 600ft digi at 160ft now in this case
which one should be the WIDE?

I know what I think.. Does everyone else agree ?

If we had the cellular backbone approach implemented then yes, 6 mile seperation is fine as long as the high digi's are the primary and low ones are on the backbone not on 144.39 but this is not the case yet.

Speaking of backbones there is a effort to work the FPAC software for APRS backhauls at this time. Maybe others that work with FPAC can join in but we need the assistance of all the APRS authors on this one.

Rich

-----Original Message-----
From: bounce-aprssig-19959@lists.tapr.org
[mailto:bounce-aprssig-19959@lists.tapr.org]On Behalf Of Bob Bruninga
Sent: Wednesday, April 24, 2002 8:36 AM
To: TAPR APRS Special Interest Group
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Subject: [aprssig] Re: Should I turn my Igate off?

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> I run newyork.aprs.net. It's located some 600ft asl in downtown Manhattan.
> Bearing in mind that I can see some 4 or 5 digi's (dunno if any of them
> igate) and Bob's suggestion that we no longer run high up nodes. I'm
> thinking about shutting it down.

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Thus it still can hear everything, it still can be heard by anyone that wants to, and anyone can use it exclusively by going to a + offset. In our area that freq is reserved for Packet (but I dont know if it is currently claimed)...

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Good luck. I think I will start monitoring
144.99 to see who is there...

Bob, WB4APR

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867. [aprssig] Re: Pizza or Banquet

From: John Hansen <hansen@fredonia.edu>
Date: Wed, 24 Apr 2002 16:04:08 -0400
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-76236-2002.04.24-15.40.36--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

There's several things becoming confused here. What used to be at McNasty's was the "Bash". In recent years it was held at the NCR conference center and has apparently been moved to another banquet facility. It generally has somewhat more of the look and feel of a banquet than a casual get together. For example, there is generally a speaker. This event has always been held on Friday. I've not been able to attend it for the past few years, but I think you are correct, getting Bdale to speak is a significant draw.

The Dayton Banquet is huge. It is directed at a more general audience. It is always on Saturday.

The APRS get together is a much more informal thing. Folks show up order pizza and beer and talk. Generally there is an attempt to introduce everyone and let people make any kind of announcements they might like, but there's not much in the way of a formal presentation. It is also held on Saturday Night. As APRS becomes much more than simply a geographic location system, I think it would be great if folks who were interested more broadly in digital communications attended this. An argument could be fairly made that it is either outgrowing, or has outgrown the facility in which it was located last year. However, I really like the informal atmosphere, and the ability to just go order some food and drink rather than having a set meal.

Has anyone heard whether Kenwood is holding their thursday evening wing ding this year or not?

John W2FS

At 07:31 PM 4/24/2002 +0000, you wrote:
>John Hansen <hansen@fredonia.edu> wrote:
>
>
>>The idea of holding something less formal and doing it on
>>Saturday night is fairly revolutionary and really a good idea.
>
>Didn't TAPR used to have their McNasty's get together on Saturday evening?
>
>But I do agree with you that something more focus'ed and hands on is much
>better then the banquet. Did you see TAPR is having Bdale Garbee as a
>speaker on Friday? This should be good.
>
>-Jeff
>
>____
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>http://www.hotmail.com

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868. [aprssig] APRS Pizza

From: James Smith <k9apr@tawg.org>
Date: Wed, 24 Apr 2002 15:40:09 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-76240-2002.04.24-16.15.44--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Well all, it is all set up for the 9th annual APRS Dayton Hamvention get together. Marion's has once again aloud us even more space than we had last yr., I couldn't get them to close it off to the public though. But hey, for them to help host this and not change us any fee for a place to meet, chat, eat or whatever you can't beat it. I will be looking into something different next yr. since APRS continues to grow at a fair pace. And I will be looking at the cost of another facility for 2003. And that brings up several other question that can be answered at a later date.

Stan, was quite nice last yr. and generated a map for the location of Marion's which will be available at http://www.tapr.org/~wa1lou/2002/2002.html and at the APRS booth of 223, 224, & 225 informational handout.

Here is additional information.
Marion's Piazza
3443 North Dixie Drive
Dayton, Oh 45414

So set your calendar for May 18th from 6 PM - ? and join us at Marion's.

--
73, James, K9APR
Chairman\Coordinator
Tri-State APRS Working Group
http://www.tawg.org
mailto:k9apr@tawg.org
Run a APRS Site? Why not join the APRS Webring
http://www.tawg.org/join.htm

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869. [aprssig] Re: New Canadian Pocket APRS maps!

From: Eric Cuthbert <cuthbert@sympatico.ca>
Date: Wed, 24 Apr 2002 15:59:54 -0400
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: TAPR APRS Special Interest Group <aprssig@lists.tapr.org>
Message-ID: <LYR842-76245-2002.04.24-16.33.30--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Henk, You've out done yourself this time for us Canadians. Thanks a
bunch eh!!

-=73=- Eric va3ewc/va3fn

Henk de Groot wrote:

> Hello All,
>
> For your information.
>
> There are new PocketAPRS maps for Provinces of Canada which is also usable with APRS/CE, Xastir, MacAPRS 3.5.2 and WinAPRS 2.5.2 (Haven't seen this one released yet, Keith tested it a few months back) or better.
>
> A Canadian ham asked me if I could convert the splendid APRS maps for the Canadian provinces by VE3ADJ and VE2AW. Both authors gave permission to publish the converted maps (and allowed me to convert even more, which I might do some day).
>
> These are about the best maps I've made to date. Not only because my conversion tools finally handles labels and can insert dummy points in long vectors (allowing more accuracy), but also because of the very good source material of VE3ADJ and VE2AW. As with the Dutch map these maps use layering - showing more detail as you zoom in. So don't be disappointed when you look at the maps at 1x zoom, but zoom in and be amazed! Also the more you zoom in, the more labels show up on the screen.
>
> Canadian maps:
>
> | File | Province | Source |
> |---|---|---|
> | marc.pdb | New Brunswick, Nova Scotia | VE3ADJ |
> | pqhighw2.pdb | Quebec Highways | VE2AW |
> | nontc.pdb | Northern Ontario | VE3ADJ |
> | sontc5c.pdb | Southern Ontario | VE3ADJ |
> | smb1.pdb | Southern Manitoba | VE3ADJ |
> | ssk.pdb | Southern Saskatchewan | VE3ADJ |
> | sab2.pdb | Southern Alberta | VE3ADJ |
> | sbc2.pdb | Southern Brittish Columbia | VE3ADJ |
> | yukon.pdb | Yukon Territory | VE3ADJ |
>
> Every time I work with pocketAPRS maps it surprises me over and over how efficient they are. All the information from the original map is present but the size is still low. All the provinces fit in a ZIP file of about 1 MB. So I hope the author of pocketAPRS will attract a lot new customers due to all these maps!
>
> You can find the new maps, with other maps, on:
> http://www.homepages.hetnet.nl/~pe1dnn/
> (You may have to reload the map if you have a cached copy).
>
> Kind regards,
>
> Henk.
>
> ---
> You are currently subscribed to aprssig as: va3ewc@rac.ca
> To unsubscribe send a blank email to leave-aprssig-842K@lists.tapr.org
> Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

--
God grant me the senility to forget the people I never liked anyway, the
good fortune to run into the ones I do, and the eyesight to tell the
difference...

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870. [aprssig] APRS Pizza

From: James Smith <k9apr@tawg.org>
Date: Wed, 24 Apr 2002 16:02:36 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-76247-2002.04.24-16.38.17--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Oop's missed spelled a word aloud should be allowed. Doh!!!!!!!!!

--
73, James, K9APR

Chairman\Coordinator
Tri-State APRS Working Group
http://www.tawg.org
mailto:k9apr@tawg.org
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Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

---

871. [aprssig] Re: Pizza or Banquet

From: John Ackermann   N8UR <jra@febo.com>
Date: Wed, 24 Apr 2002 17:08:07 -0400
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-76251-2002.04.24-16.42.36--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Nope, even that clarification's not (quite) correct. McNasty's was an informal packet event that died out five or six years ago. It was never directly sponsored by TAPR, though there were very strong connections between TAPR and the folks who attended. McNasty's was (I'm pretty sure) on Friday night.

The BASH is one of the longest-running Hamvention activities -- it started as the FM BASH back in the 70s, and became the Packet BASH in the early 90s. It used to be run by the Miami Valley FM Association. About five years ago, TAPR and the MVFMA started co-sponsoring the BASH and it took on its present form. The fact that I'm involved in both organizations had nothing to do with that :-). It's always been on Friday evening. The BASH was at NCR's conference for several years (the fact that I work at NCR had nothing to do with that, either :-)) but that facility was remodeled two years ago and the nice big dining room went away. Last year, and again this year, we're holding the BASH at Kohler's Presidential Banquet Center in Kettering.

As noted, the Banquet is always on Saturday evening. Sid Caesar, NH7C, started the APRS pizza party on Saturday night several years ago, and since he moved from the area, James K9APR has put that program together.

Enough Hamvention history for now... all I can say is, everyone here should attend the BASH on Friday, and the APRS pizza party on Saturday!!!

73,
John N8UR

--On Wednesday, April 24, 2002 4:04 PM -0400 John Hansen <hansen@fredonia.edu> wrote:

> There's several things becoming confused here. What used to be at
> McNasty's was the "Bash".   In recent years it was held at the NCR
> conference center and has apparently been moved to another banquet
> facility. It generally has somewhat more of the look and feel of a
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> to attend it for the past few years, but I think you are correct, getting
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> It is always on Saturday.
>
> The APRS get together is a much more informal thing. Folks show up order
> pizza and beer and talk. Generally there is an attempt to introduce
> everyone and let people make any kind of announcements they might like,
> but there's not much in the way of a formal presentation. It is also
> held on Saturday Night. As APRS becomes much more than simply a
> geographic location system, I think it would be great if folks who were
> interested more broadly in digital communications attended this.   An
> argument could be fairly made that it is either outgrowing, or has
> outgrown the facility in which it was located last year. However, I
> really like the informal atmosphere, and the ability to just go order
> some food and drink rather than having a set meal.
>
> Has anyone heard whether Kenwood is holding their thursday evening wing
> ding this year or not?
>

> John W2FS

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Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

872. [aprssig] Re: Pizza or Banquet

From: James Smith <k9apr@tawg.org>
Date: Wed, 24 Apr 2002 16:20:09 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-76253-2002.04.24-16.55.49--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

I agree with John on what he wrote below. Why not experience both events..

John Ackermann N8UR wrote:

> Enough Hamvention history for now... all I can say is, everyone here
> should attend the BASH on Friday, and the APRS pizza party on Saturday!!!
>

--
73, James, K9APR
Chairman\Coordinator
Tri-State APRS Working Group
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873. [aprssig] Re: New Canadian Pocket APRS maps!

From: Henk de Groot <henk.de.groot@hetnet.nl>
Date: Wed, 24 Apr 2002 23:46:54 +0200
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: TAPR APRS Special Interest Group <aprssig@lists.tapr.org>
Message-ID: <LYR842-76254-2002.04.24-17.21.58--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

At 15:59 24-4-02 -0400, Eric Cuthbert wrote:
>Henk, You've out done yourself this time for us Canadians. Thanks a
>bunch eh!!

You're welcome. I also did myself a favour and learned some geography of your fine country. I can almost dream up the provinces now and know where to place them, something I coudn't have done a week ago. My grandma's brother lives in Vancouver, so I took an extra look at that place. I also received a VE station via RF (somebody is feeding I-gate traffic back to RF...) and could check the map at that spot with findu and it matched okay!

I was puzzled by the Yukon province though, I made the map but wonder if there will ever be any APRS activity up there. Even if there is a DIGI, who shall receive it, it looks like a lonely place to me. Following the way up north I encountered some places marked "abandoned". The only place one can expect stations is in the south part of Yukon, near the Brittisch Columbia border. Hey, wait, the light comes on, you can of course use PCSAT from there!

Anyway, have fun with the maps!

Kind regards,

Henk.

P.S. Stan, Reply-All works fine on Eudora, thanks for fixing it!

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874. [aprssig] Re: New Canadian Pocket APRS maps!

From: "Curt Mills, WE7U" <hacker@tc.fluke.com>
Date: Wed, 24 Apr 2002 15:40:01 -0700 (PDT)
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: TAPR APRS Special Interest Group <aprssig@lists.tapr.org>
Message-ID: <LYR842-76263-2002.04.24-18.14.18--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

On Wed, 24 Apr 2002, Henk de Groot wrote:

> I was puzzled by the Yukon province though, I made the map but wonder if there will ever be any APRS activity up there. Even if there is a DIGI, who shall receive it, it looks like a lonely place to me. Following the way up north I encountered some places marked "abandoned". The only place one can expect stations is in the south part of Yukon, near the Brittisch Columbia border. Hey, wait, the light comes on, you can of course use PCSAT from there!

Ever heard of the Alcan Rally? I participated as one of the communication guys in a sweep vehicle in 1990. That year we ran over 6000 miles in the ice and snow during the first two weeks of February, and went all the way up to Innuvik, Northwest Territories. We went through Yukon on the way.

I caught the rally more recently going into Arlington, WA, as I was on my out of that town on my normal commute. They were just getting started on that year's rally. I looked at my map and there were APRS stations amongst them, I think in the sweep vehicles.

Count on seeing APRS stations at least once a year up in the remote areas. I expect they'll try to run satellite ops once they get north of the populated areas.

Curt Mills, WE7U   hacker.NO_*SPAM@tc.fluke.com
Senior Methods Engineer/SysAdmin
"Lotto: A tax on people who are bad at math." -- unknown
"Windows: Microsoft's tax on computer illiterates." -- WE7U

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875. [aprssig] Re: Should I turn my Igate off?

From: Mark Phillips <g7ltt@g7ltt.com>
Date: Wed, 24 Apr 2002 19:07:07 -0400
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-76273-2002.04.24-18.40.09--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

There is a digi on the top of a tall building in downtown Brooklyn (its not true, there are no trees growing there!) but I'm fairly sure he doesn't Igate. As for the West Orange one, something must be there, I live in Randolph about 10 miles west and my packets make it to the net OK.

The NYC area isn't short of digi's but I don't know about Igates.

Tech spec:

TNC: PK88
TRX: MFJ Data Radio. 5W output
ANT: Homemade 300Ohm ribbon J-Pole taped to the computer room window looking East.
PC: P2/300 ruining (sic) Linux and Dale's APRSd.
Net: T1 all of its very own!

I don't know of any APRS co-ordination that goes on in the NYC area. One should "big it up" for N2ZRC whom tirelessly promotes APRS in the area but often gets nowhere (often not helped by me trying to pour a little common sense into things). Should we look to our local co-ordination body for this perhaps?

Mark Phillips G7LTT/KC2ENI
Randolph, NJ 07869

----- Original Message -----
From: "Rich Garcia" <k4gps@bellsouth.net>
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Sent: Wednesday, April 24, 2002 3:49 PM
Subject: [aprssig] Re: Should I turn my Igate off?

```
> One more thing, I just noticed that another WIDE poped up 6 miles north of
> the 600ft digi at 160ft now in this case
> which one should be the WIDE?
>
> I know what I think.. Does everyone else agree ?
>
> If we had the cellular backbone approach implemented then yes, 6 mile
> seperation is fine as long as the high digi's are the primary and low ones
> are on the backbone not on 144.39 but this is not the case yet.
>
> Speaking of backbones there is a effort to work the FPAC software for APRS
> backhauls at this time. Maybe others that work with FPAC can join in but
we
> need the assistance of all the APRS authors on this one.
>
> Rich
>
> -----Original Message-----
> From: bounce-aprssig-19959@lists.tapr.org
> [mailto:bounce-aprssig-19959@lists.tapr.org]On Behalf Of Bob Bruninga
> Sent: Wednesday, April 24, 2002 8:36 AM
> To: TAPR APRS Special Interest Group
> Cc: TAPR APRS Special Interest Group
> Subject: [aprssig] Re: Should I turn my Igate off?
>
>
> On Tue, 23 Apr 2002, Mark Phillips wrote:
>
> > I run newyork.aprs.net. It's located some 600ft asl in downtown
Manhattan.
> > Bearing in mind that I can see some 4 or 5 digi's (dunno if any of them
> > igate) and Bob's suggestion that we no longer run high up nodes. I'm
> > thinking about shutting it down.
>
> Well, I think it is much better to not shut it down, but simply QSY the
> output.  In fact, if you were really lucky, a good output freq would be
> 144.39 + 600 or 145.99 if it is not already in use.
>
> Thus it still can hear everything, it still can be heard by anyone that
> wants to, and anyone can use it exclusively by going to a + offset.  In
> our area that freq is reserved for Packet (but I dont know if it is
> currently claimed)...
>
> In fact, since only the BIG WIDEAREA machines are in this situation, and
> those are widely separated, then it might seem that all such WIDEAREA
> machines could do the same thing, since someone on the ground would surely
> only be able to hear mostly only one of these...
>
> Good luck.  I think I will start monitoring
> 144.99 to see who is there...
>
> Bob, WB4APR
>
>
>
> ---
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>
>
>
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```

876. [aprssig] Waypoints with Garmin 12XL and TH-D7

From: "Mark Conner" <n9xtn@cox.net>
Date: Wed, 24 Apr 2002 19:32:19 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-76297-2002.04.24-20.06.51--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

I recently began using my D7 (non-G) and Garmin GPS-12XL together again. The D7 is sending waypoints to the GPS, but they're always displayed with the "comment" field rather than the "name". The name has the callsign, while the comment field just has the date/time of the packet.

Is there a way to default the display so that it displays the names as the default? Right now I have to change each waypoint as it comes in.

73 de Mark N9XTN

Mark D. Conner
E-mail: n9xtn@arrl.net
Homepage: http://members.cox.net/mconner1
"Arrogance and stupidity, all in the same package.....how
 efficient of you!"   - Ambassador Londo Mollari, Babylon 5

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---

877. [aprssig] Re: Garmin Extrex Family

From: "Dale E. Reed" <w8abz@core.com>
Date: Wed, 24 Apr 2002 21:21:20 -0400
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-76310-2002.04.24-20.57.16--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Mike and SIG,

Had a plain vanilla (or Lemon color, I guess) E-Trex. I put lithium AA cells in it. Then for various reasons I didn't use it for a while. When the batteries died, they took the E-Trex with it. It will power on, but if I go to a menu and try to change any setting, or if I let it receive and it gets the first satellite, it locks up and batteries must be pulled to power down. My guess is that whatever read-write memory in it is now read-only. Anything that would do a write to non-volatile locks it.

It was out of warranty. Anyone who's better with finding and replacing tiny parts than I am is welcome to it. I haven't taken the attic trash out yet. You're welcome to the serial (only, no power) cable and PFranc connector kits as well, but I gotta charge ya for them!

Found a GPS12 on closeout last year, so no biggie.

73,
Dale, W8ABZ

> Subject: Garmin Extrex Family
> From: "Mike Wolthuis" <wolthui3@msu.edu>
> Date: Tue, 23 Apr 2002 10:45:13
> X-Message-Number: 17
>snip
> 2) Any thoughts on good/bad experiences.
>snip
> Thanks all,
> Mike Wolthuis
> kb8zgl

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878. [aprssig] Re: Garmin Extrex Family

From: "Mike Yetsko" <myetsko@insydesw.com>
Date: Wed, 24 Apr 2002 22:10:42 -0400

To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-76313-2002.04.24-21.45.49--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

```
I thought Lithium cells were 3v???    Are they available in 1.5v?

I bought my son the E-Trex for Christmas.  The baseline yellow model.
Really neat!  I had a GPS-12 I was using and really liked his E-Trex.
I still got it, but since have also picked up a II+ and a III.  The 12 is
back
in the box.  It's still neat, but it has the 8v limit on input, or you can
toast it.  The II+ and the III will take a car input direct.  I've been
looking to unload the 12, but only because I have a couple of the things.
I think you'll be happy with it!

Mike

----- Original Message -----
From: "Dale E. Reed" <w8abz@core.com>


> Mike and SIG,
>
> Had a plain vanilla (or Lemon color, I guess) E-Trex.  I put lithium AA
> cells in it.  Then for various reasons I didn't use it for a while.
When
> the batteries died, they took the E-Trex with it.  It will power on, but
if
> I go to a menu and try to change any setting, or if I let it receive and
it
> gets the first satellite, it locks up and batteries must be pulled to
power
> down.  My guess is that whatever read-write memory in it is now
read-only.
> Anything that would do a write to non-volatile locks it.
>
> It was out of warranty.  Anyone who's better with finding and replacing
tiny
> parts than I am is welcome to it.  I haven't taken the attic trash out
yet.
> You're welcome to the serial (only, no power) cable and PFranc connector
> kits as well, but I gotta charge ya for them!
>
> Found a GPS12 on closeout last year, so no biggie.
>
> 73,
> Dale, W8ABZ



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879. [aprssig] Re: Garmin Extrex Family

From: Alejandro Fernández Preda <quequiel@ciudad.com.ar>
Date: Wed, 24 Apr 2002 23:47:54 -0300
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-76315-2002.04.24-22.22.16--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

```
Dale,

You could try a reset, I once read about a similar problem that was solved
in the following way:

Pressing MENU, PAGE-UP and ENTER (all at the same time) you should power the
unit keeping the power button held for about 5 seconds. Then the unit
returns to it's original state.
WARNING! this will erase all waypoint and tracks on the GPS unit though I
don't think this will be a problem for you ;-)

Hope it works

Alejandro - LU5ABT
quequiel@ciudad.com.ar
http://aag.4t.com
```

----- Original Message -----
From: "Dale E. Reed" <w8abz@core.com>
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Sent: Wednesday, April 24, 2002 10:21 PM
Subject: [aprssig] Re: Garmin Extrex Family

> Mike and SIG,
>
> Had a plain vanilla (or Lemon color, I guess) E-Trex. I put lithium AA
> cells in it. Then for various reasons I didn't use it for a while. When
> the batteries died, they took the E-Trex with it. It will power on, but
if
> I go to a menu and try to change any setting, or if I let it receive and
it
> gets the first satellite, it locks up and batteries must be pulled to
power
> down. My guess is that whatever read-write memory in it is now read-only.
> Anything that would do a write to non-volatile locks it.
>
> It was out of warranty. Anyone who's better with finding and replacing
tiny
> parts than I am is welcome to it. I haven't taken the attic trash out
yet.
> You're welcome to the serial (only, no power) cable and PFranc connector
> kits as well, but I gotta charge ya for them!
>
> Found a GPS12 on closeout last year, so no biggie.
>
> 73,
> Dale, W8ABZ
>
> > Subject: Garmin Extrex Family
> > From: "Mike Wolthuis" <wolthui3@msu.edu>
> > Date: Tue, 23 Apr 2002 10:45:13
> > X-Message-Number: 17
> >snip
> > 2) Any thoughts on good/bad experiences.
> >snip
> > Thanks all,
> > Mike Wolthuis
> > kb8zgl
>
>
>
> ---
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>
>

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880. [aprssig] Re: Need suggestion on which TNC? ..

From: WA8LMF2@aol.com
Date: Thu, 25 Apr 2002 02:31:50 EDT
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-76382-2002.04.25-02.06.29--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

In a message dated 4/24/02 8:04:37 PM Pacific Daylight Time,
schaferbs@mail.riverview.net writes:

> But I
> would point out to you and others that it is possible to run APRSPLUS
along
> with STREET ATLAS 6, 7 & 8 on slow computers with limited HD sizes,and
> limited memory. I used for couple of years, a TI 486-50 laptop with
420MB
> of HD & 20MB of memory. It was not speedy but it did the job very
> well. I think that we are telling the newbies that they need more
powerful

> computers than they need in some cases.

I don't know how active APRS is in your neck of the woods, but here in southern California, there is never more than 5-10 seconds of dead air EVER on 144.39, even at 2:30AM. The rate at which data comes in from the TNC, and has to be processesed by APRSplus, coupled with the rapid-fire map redraws in Street Atlas every few seconds here would completely overwhelm a computer that slow!

Further, ham data modes (including the AX.25 packet that underlays APRS) increasingly are being operated with soundcard software modems (AGW packet engine or MixW) instead of a hardware TNC. The processing demands of these softmodems running along with SA and APRSplus are such that anything much less than a MMX200 just won't hack it. The savings on not having to buy a hardware TNC can be significant (have you priced a KPC3 lately.)

Again, as I mentioned in a previous post, I am not talking about the latest P4 screamers or 1.2 GHz Celeron machines being neccessary. I am running APRSplus, Street Atlas and a soundcard modem on a Dell 3000 P200 MMX laptop flooded with cheap (128MB RAM for $45) ram -- not exactly a state of the art machine but not a bottom-end "boat anchor" either.

Given the almost exponential decrease in the cost of ever-higher powered PC hardware, I feel it is a real disservice to newcomers to encourage them to start with dated underpowered hand-me-down hardware that will then immediately frustrate them when:
1) they can't run the same stuff "everyone else" is
and
2) they get nickle and dimed to death trying to upgrade obsolete machines to remotely approach current performance levels. For example, you pay more for 32MB of obsolete low-density 30-pin SIMM memory for an older machine than you do for 128 0r even 256 MB of current PC-100 DIMMs that fit in current machines.

When you can buy a complete 1GHz machine with a 10 or 20 GB drive and a modern UDMA CD-ROM drive that can read erasable CDs for $450 or 500, it doesn't take much upgrading to exceed this with far less results!

Stephen H. Smith   wa8lmf @ aol.com
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http://members.aol.com/wa8lmf
Ham Radio/Mobile SSTV page: http://members.aol.com/wa8lmf/ham
APRS Stuff
http://members.aol.com/wa8lmf/aprs

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881. [aprssig] Re: Pizza or Banquet

From: "Dave Sloan" <desloan@earthlink.net>
Date: Thu, 25 Apr 2002 00:47:58 -0600
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-76384-2002.04.25-02.22.28--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

John,
Thanks for straightening out everything! Anyone want a discounted Hamvention Banquet ticket for Saturday night. I'm going to have pizza!

73,
Dave N0EOP

-----Original Message-----
From: bounce-aprssig-19713@lists.tapr.org
[mailto:bounce-aprssig-19713@lists.tapr.org]On Behalf Of John Ackermann N8UR
Sent: Wednesday, April 24, 2002 3:08 PM

To: TAPR APRS Special Interest Group
Subject: [aprssig] Re: Pizza or Banquet

Nope, even that clarification's not (quite) correct. McNasty's was an informal packet event that died out five or six years ago. It was never directly sponsored by TAPR, though there were very strong connections between TAPR and the folks who attended. McNasty's was (I'm pretty sure) on Friday night.

The BASH is one of the longest-running Hamvention activities -- it started as the FM BASH back in the 70s, and became the Packet BASH in the early 90s. It used to be run by the Miami Valley FM Association. About five years ago, TAPR and the MVFMA started co-sponsoring the BASH and it took on its present form. The fact that I'm involved in both organizations had nothing to do with that :-). It's always been on Friday evening. The BASH was at NCR's conference for several years (the fact that I work at NCR had nothing to do with that, either :-)) but that facility was remodeled two years ago and the nice big dining room went away. Last year, and again this year, we're holding the BASH at Kohler's Presidential Banquet Center in Kettering.

As noted, the Banquet is always on Saturday evening. Sid Caesar, NH7C, started the APRS pizza party on Saturday night several years ago, and since he moved from the area, James K9APR has put that program together.

Enough Hamvention history for now... all I can say is, everyone here should attend the BASH on Friday, and the APRS pizza party on Saturday!!!

73,
John N8UR

--On Wednesday, April 24, 2002 4:04 PM -0400 John Hansen <hansen@fredonia.edu> wrote:

> There's several things becoming confused here. What used to be at McNasty's was the "Bash". In recent years it was held at the NCR conference center and has apparently been moved to another banquet facility. It generally has somewhat more of the look and feel of a banquet than a casual get together. For example, there is generally a speaker. This event has always been held on Friday. I've not been able to attend it for the past few years, but I think you are correct, getting Bdale to speak is a significant draw.
>
> The Dayton Banquet is huge. It is directed at a more general audience. It is always on Saturday.
>
> The APRS get together is a much more informal thing. Folks show up order pizza and beer and talk. Generally there is an attempt to introduce everyone and let people make any kind of announcements they might like, but there's not much in the way of a formal presentation. It is also held on Saturday Night. As APRS becomes much more than simply a geographic location system, I think it would be great if folks who were interested more broadly in digital communications attended this. An argument could be fairly made that it is either outgrowing, or has outgrown the facility in which it was located last year. However, I really like the informal atmosphere, and the ability to just go order some food and drink rather than having a set meal.
>
> Has anyone heard whether Kenwood is holding their thursday evening wing ding this year or not?
>
> John W2FS

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882. [aprssig] Map of Prince Edward Island CA

From: Ralph Milnes <milnes1@rcn.com>
Date: Thu, 25 Apr 2002 10:14:02 -0400
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-76416-2002.04.25-09.48.27--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

I have a friend who is just getting started with APRS and summers in Prince
Edward Island (Canada).

He'll be running either WinAPRS or UI-View. Where can I direct him to pick
up a PEI map for APRS?

Ralph KC2RLM

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---

883. [aprssig] Re: lightest aprs tracker (Bicycle Mobile)

From: LAIRD STANTON <LAIRD_STANTON@alexandria-emh1.army.mil>
Date: Thu, 25 Apr 2002 10:13:41 -0400
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-76417-2002.04.25-09.54.11--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Good idea! AF had a mech working under an F-4 back into an ESM pod
OUCH! Woke up next morning with a collapsed lung, didn't realize he had
stabbed himself.

Laird
N3HLL

> -----Original Message-----
> From: "Jack Smith" <jrs38801@bellsouth.net>@AMC
> Sent: Tuesday, April 23, 2002 10:42 AM
> To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
> Subject: [aprssig] Re: lightest aprs tracker (Bicycle Mobile)
>
> (Embedded image moved to file: pic22554.pcx)
> You're darned skippy! That's the real reason why all of our military
> antennas have that tear drop on them. Too many mechanics were
> getting
> injured walking into tied down antennas....
>
> Jack
>
> -----Original Message-----
> From: bounce-aprssig-26384@lists.tapr.org
> [mailto:bounce-aprssig-26384@lists.tapr.org]On Behalf Of Mike Yetsko
> Sent: Tuesday, April 23, 2002 12:24 PM
> To: TAPR APRS Special Interest Group
> Subject: [aprssig] Re: lightest aprs tracker (Bicycle Mobile)
>
> If you do that with piano wire...
>
> Take a plastic ball, anything, about 1/4" or more diameter, and melt
> the
> end of the wire into it. Especially if you put your antenna on a
> bike
> where
> you might 'bend over' into the antenna... It's not a good idea to
> forget
> that
> you have a sharp wire sticking up, almost invisible, right about eye
> level...
>
> Mike
>
> ---
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```
   wa1lou@tapr.org
[Attachment: pic22554.pcx; application/octet-stream; 2,707 bytes]
```

884. [aprssig] Re: ok, it works, now....

```
From: "Doug Younker" <dougy@ruraltel.net>
Date: Thu, 25 Apr 2002 00:14:03 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-76461-2002.04.25-11.52.50--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain
```

```
And if you have better things to do and watch a monitor, open a capture file
so, you can return after doing the chores and see what you may have
missed.--73
Doug, N0LKK
 dougy@ruraltel.net
----- Original Message -----
From: "Ronald Reams" <wa4mjf@worldnet.att.net>
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Sent: Wednesday, April 24, 2002 12:48 PM
Subject: [aprssig] Re: ok, it works, now....


: Ken, the easiest way is to hook a 'puter with a
: terminal program (or a dumb terminal) to a
: TNC.  Tune the associated radio to 144.39
: and watch !




---
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```

885. [aprssig] PocketAPRS maps

```
From: "Tom Clarke" <fclarke@erols.com>
Date: Thu, 25 Apr 2002 15:54:02 -0400
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-76473-2002.04.25-15.29.01--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain
```

```
Are there any Pocket APRS maps for the DC/VA/MD area out there??

73 de Tom/W4OKW



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```

886. [aprssig] Re: PocketAPRS maps

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From: "Jason Rausch" <ke4nyv@msn.com>
Date: Thu, 25 Apr 2002 15:9:34
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-76474-2002.04.25-15.43.56--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain
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Have you checked the File area of TAPR's site?  I live in Roanoke, Virginia
and I asked Mike to make me a Roanoke map and he did. (Been a BIG help
Mike, thankx!)  Also, there might be a map on the PocketAPRS CD that was in
circulation for a while.  Someone out there might have one.
73's
Jason KE4NYV
www.ke4nyv.com

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887. [aprssig] New Canadian Pocket APRS maps!

```
From: Henk de Groot <henk.de.groot@hetnet.nl>
Date: Thu, 25 Apr 2002 20:41:05 +0200
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-76475-2002.04.25-15.48.57--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain
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Hello All,

[Resend to the APRS SIG, hopefully this time with carrage returns at line ends. I think I found Eudora's option to turn it on :-). Please report if it is still not okay]

For your information.

There are new PocketAPRS maps for Provinces of Canada which is also usable with APRS/CE, Xastir, MacAPRS 3.5.2 and WinAPRS 2.5.2 (Haven't seen this one released yet, Keith tested it a few months back) or better.

A Canadian ham asked me if I could convert the splendid APRS maps for the Canadian provinces by VE3ADJ and VE2AW. Both authors gave permission to publish the converted maps (and allowed me to convert even more, which I might do some day).

These are about the best maps I've made to date. Not only because my conversion tools finally handles labels and can insert dummy points in long vectors (allowing more accuracy), but also because of the very good source material of VE3ADJ and VE2AW. As with the Dutch map these maps use layering - showing more detail as you zoom in. So don't be disappointed when you look at the maps at 1x zoom, but zoom in and be amazed! Also the more you zoom in, the more labels show up on the screen.

Canadian maps:

File	Province	Source
marc.pdb	New Brunswick, Nova Scotia	VE3ADJ
pqhighw2.pdb	Quebec Highways	VE2AW
nontc.pdb	Northern Ontario	VE3ADJ
sontc5c.pdb	Southern Ontario	VE3ADJ
smb1.pdb	Southern Manitoba	VE3ADJ
ssk.pdb	Southern Saskatchewan	VE3ADJ
sab2.pdb	Southern Alberta	VE3ADJ
sbc2.pdb	Southern Brittish Columbia	VE3ADJ
yukon.pdb	Yukon Territory	VE3ADJ

Every time I work with pocketAPRS maps it surprises me over and over how efficient they are. All the information from the original map is present but the size is still low. All the provinces fit in a ZIP file of about 1 MB. So I hope the author of pocketAPRS will attract a lot new customers due to all these maps!

You can find the new maps, with other maps, on:
http://www.homepages.hetnet.nl/~pe1dnn/
(You may have to reload the map if you have a cached copy).

Kind regards,

Henk.

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888. [aprssig] PocketAPRS maps

From: "WL7FT" <wl7ft@mmcable.com>
Date: Thu, 25 Apr 2002 17:23:31 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-76494-2002.04.25-17.53.31--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

I see a lot of talk about "Pocket APRS" I relish the idea of being able to run an APRS station on my Palm/Visor PDA. What I would like to know is will the Visor Springboard GPS unit NMEA data flow out of the cradle connection? Can I get the Visor with the Springboard GPS to transfer NMEA data from the internal GPS unit to the cradle connection at the bottoom of the Visor to connect it to a Tiny trak or like TMC? or use it to plug into a laptop and use it as a standard GPS unit with an output?

I have asked politley to the Magellan people who tell me its the software gods, I have asked the Handspring people who tell me it is the GPS people, and I can never seam to fing the PocketAPRS people to ask them!

Can anyone help me?

```
I'd like to use the PDA as it's display is much bigger, and I see a mapping
GPS as duplicative.

HELP!

Mark
WL7FT
---
Outgoing mail is certified Virus Free.
Checked by AVG anti-virus system (http://www.grisoft.com).
Version: 6.0.350 / Virus Database: 196 - Release Date: 4/17/2002



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889. [aprssig] Re: Waypoints with Garmin 12XL and TH-D7

From: "Phil Pacier, AD6NH" <ad6nh@arrl.net>
Date: Thu, 25 Apr 2002 18:15:49
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-76500-2002.04.25-18.50.14--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

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I use the same setup, and my waypoints come in as the callsigns.  How are
you set up?  Do have 6 digit NMEA enabled?  Mine worked with default
settings on both the GPS and the radio.

Phil Pacier - AD6NH
www.ahubca.net
ahubca.net APRS IS Server
ports 2023,23,10152 = World Feed
ports 14579,10153 = CA State Feed

---
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890. [aprssig] Re: PocketAPRS maps

From: Randy Allen <ka0azs@commkey.net>
Date: Thu, 25 Apr 2002 20:01:33 -0400
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: TAPR APRS Special Interest Group <aprssig@lists.tapr.org>
Message-ID: <LYR842-76503-2002.04.25-19.40.24--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

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Mark,

  If you haven't already, check the Pocket APRS site at :

http://www.pocketaprs.com/

There's also an e-mail link to Mike Musick, the software author.  I've
found him to be very helpful about answering questions.

Good luck and 73



--
Randy Allen, KAØAZS
Asst. EC Montgomery CO Ohio
OH Dist. 3 ARES Web Page:
http://www.qsl.net/ohd3ares/

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891. [aprssig] Re: PocketAPRS maps

From: "Jason Rausch" <ke4nyv@msn.com>
Date: Thu, 25 Apr 2002 20:20:55
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-76505-2002.04.25-20.55.15--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Mike is currently working on the routines in PAPRS to support the Shine
Micro TNC. I think hes planning on making all packet/APRS data come out of
the spring board port and let the com port take in GPS data. This is what
PocketAPRS users have been waiting for. Now we can have a TNC and GPS
connected at the same time without having to use a data switch of some
sort. Mike is great for answering questions, he even made up that custom
map for me when I asked. I plan on picking up a springboard TNC at
Dayton.
73's
Jason KE4NYV
www.ke4nyv.com

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892. [aprssig] Re: Should I turn my Igate off?

From: Bill Herrmann <bherrman@spro.net>
Date: Thu, 25 Apr 2002 21:34:19 -0600
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: TAPR APRS Special Interest Group <aprssig@lists.tapr.org>
Message-ID: <LYR842-76522-2002.04.25-23.09.38--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

At 08:36 AM 4/24/02 -0400, Bob Bruninga wrote:
>Well, I think it is much better to not shut it down, but simply QSY the
>output. In fact, if you were really lucky, a good output freq would be
>144.39 + 600 or 145.99 if it is not already in use.

Ummm, isn't this going to lead to problems if you're transmitting blind on
a frequency? If more than one wide digi does this you'll just have
collisions. (I know some collisions are good in APRS, but they don't seem
reasonable in this case.)

If you really need to limit the overlap of wides in this area (and it
doesn't sound like you do) turning the thing into a listen only igate seems
like a more reasonable solution than blindly transmitting on another frequency.

Bill

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893. [aprssig] Peaks to Parrie Race

From: "James Fuller" <n7vmr@fuller.net>
Date: Thu, 25 Apr 2002 22:35:38 -0600
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: "APRS SIG" <aprssig@lists.tapr.org>
Message-ID: <LYR842-76543-2002.04.26-00.09.32--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Hi All,

On Sunday April 28th, there will be the Annual "Peaks to Parrie" Race.
This race starts at about 8 miles south of Red Lodge MT.
It starts with 10 mile run, then 45 mile Bike Ride, and finishes with 15
mile Cano or Kyak ride.
We will have a few APRS Units operating to help with this race.
The Race starts at 8:00 AM and normally finishes by 5:00 PM MDT.

As this is a first time use in this area, we hope to learn alot.

Jim Fuller
N7VMR
Montana Section Emergency Coordinator
International Gateways Robot Operator

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894. [aprssig] Icons and findU

From: Steve Dimse <k4hg@tapr.org>
Date: Fri, 26 Apr 2002 04:58:06 -0400
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-76562-2002.04.26-04.32.33--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

There is a long way to go, but so many people have asked for this over the years, I thought some of you might like to see this before it is ready:

http://www.findu.com/cgi-bin/dmap.cgi

I have moved the entire www.aprs.net map directory over to the server, including all contributed maps, you can play with one simply by adding a map= parameter, so the south Florida map is:

http://www.findu.com/cgi-bin/dmap.cgi?map=flsouth.mp

No list yet, but I'll have one eventually. You should not make links to this, there are several things I'm working on that will change the way a link should be saved. Also, there was a problem with the way I had been saving icons, so up until yesterday when I fixed it, most stations appeared as WX stations, so if you use a long last= param, don't be surprised to see lots of these!

Once I am happy with icon drawing, I'll be adding this capability to other cgi's like plot and track.

-----A POLL-----

Drawing without icons has been around so long, I'm wondering if people will want the icons without asking for them. The option for either will be available, but which should be the default, with or without icons? Email directly to me please (and thanks Stan for making this easy again!), and I'll take split votes if you want (for example icons on plot and track, no icons on radar-find so as to hide less of the radar).

-----A REQUEST FOR HELP-----

I'm using the same icon files I made for javAPRS in 1996, taken (with permission) from the MacAPRS icons of that era. A lot has changed since then, I'd like someone to take these files and update them. Basically there are 5 image files, one for the primary and alternate symbol tables for maps of white and black backgrounds, and last for overlays. They are laid out as 16 down x 6 across grid of 16x16 pixel icons on a transparent background...I just copy the portion of the image corresponding to the icon I need...a lot easier than having a couple hundred files! You can get these in any javAPRS distribution, or from my server:

http://www.aprs.net/javAPRS/allicons.gif
http://www.aprs.net/javAPRS/allicon2.gif
http://www.aprs.net/javAPRS/blkicons.gif
http://www.aprs.net/javAPRS/blkicon2.gif
http://www.aprs.net/javAPRS/overlay.gif

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895. (no subject)

From: (unknown sender)
Date: (date unavailable)
Rendered body type: text/plain

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896. [aprssig] RE: Icons and findU

From: "AE5PL Lists" <HamLists@ametx.com>
Date: Fri, 26 Apr 2002 06:18:06 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-76624-2002.04.26-06.52.31--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Hi Steve,

I have done some updates to the icon files. If someone wants to make further changes, download japrs.jar from http://www.ae5pl.net/javaDocs/javaprsdnld.htm and unzip the .gif files. Please use these as your basis so we don't have two development efforts going on.

Thanks.

73,

Pete Loveall AE5PL
http://www.ae5pl.net
mailto:pete@ae5pl.net

> -----Original Message-----
> From: Steve Dimse [mailto:k4hg@tapr.org]
> Posted At: Friday, April 26, 2002 4:00 AM
> Subject: [aprssig] Icons and findU
>
> I'm using the same icon files I made for javAPRS in 1996, taken (with permission) from the MacAPRS icons of that era. A lot has changed since then, I'd like someone to take these files and update them. Basically there are 5 image files, one for the primary and alternate symbol tables for maps of white and black backgrounds, and last for overlays. They are laid out as 16 down x 6 across grid of 16x16 pixel icons on a transparent background...I just copy the portion of the image corresponding to the icon I need...a lot easier than having a couple hundred files! You can get these in any javAPRS distribution, or from my server:

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897. [aprssig] Re: New Canadian Pocket APRS maps!

From: Bob Bruninga <bruninga@usna.edu>
Date: Fri, 26 Apr 2002 08:04:12 -0400 (EDT)
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: TAPR APRS Special Interest Group <aprssig@lists.tapr.org>
Message-ID: <LYR842-76626-2002.04.26-07.38.38--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

On Thu, 25 Apr 2002, Henk de Groot wrote:

> These are about the best maps I've made to date. Not only because my ...
> - showing more detail as you zoom in. So don't be disappointed when you look at the maps at 1x zoom, but zoom in and be amazed! Also the more you zoom in, the more labels show up on the screen.

THis opens up one of my "APRS standardization" issues that prevents us all from speaking a common language. That is zooms and range scales. APRS was designed with the concept of Range Scale. Thus unambiguously, anyone can refer to a map Range scale and everyone else will all know what he can see. I dont like X-Zooms. THey are completely ambiguous, and convey no absolute meaning.

I was very surprised when I saw PocketAPRS doing this. Is there anyway to change this to a Range Scale? If you are on a 64 mile "range Scale" that means that everything within 64 miles of the center is visible. If you zoom to the 8 mile range scale, then anyone else that is on an "8 mile range scale" (no matter what version of APRS he is running) he will see the same thing. It is only one line of code to convert from an arbitrary "zoom factor" to a meaningful "range scale". And APRS would be so much the better for it...

de WB4APR, Bob

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898. [aprssig] Re: Should I turn my Igate off?

From: Bob Bruninga <bruninga@usna.edu>
Date: Fri, 26 Apr 2002 08:12:54 -0400 (EDT)
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: TAPR APRS Special Interest Group <aprssig@lists.tapr.org>
Message-ID: <LYR842-76627-2002.04.26-07.47.19--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

```
On Thu, 25 Apr 2002, Bill Herrmann wrote:

> At 08:36 AM 4/24/02 -0400, Bob Bruninga wrote:
> >Well, I think it is much better to not shut it down, but simply QSY the
> >output.  In fact, if you were really lucky, a good output freq would be
> >144.39 + 600 or 145.99 if it is not already in use.
>
> Ummm, isn't this going to lead to problems if you're transmitting blind on
> a frequency? If more than one wide digi does this you'll just have
> collisions.

No problem for several reasons...

1) In general, individual mobile users will not be listining on that freq.
2) The only reason for this output is for Igates or people who want to see
   the big multi-state wide big picture... (mobiles overload on such data)
3) Because these are very tall and widely separated.  Any user on the
ground will only hear one of them, or even if he does hear  both, one will
certainly be 10 dB stronger and capture.

> If you really need to limit the overlap of wides in this area (and it
> doesn't sound like you do) turning the thing into a listen only igate seems
> like a more reasonable solution than blindly transmitting on another frequency.

Yes, that is exactly the idea.  The IGATE (located anywhere on the
ground) listens to the non-144.39 output.  and its as if it was on top of
the big mountain...

Bob


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```

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899. [aprssig] Re: Should I turn my Igate off? Digi_Ned Option

From: John Kraus <jfkraus2@cox.net>
Date: Fri, 26 Apr 2002 09:07:51 -0400
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: TAPR APRS Special Interest Group <aprssig@lists.tapr.org>
Message-ID: <LYR842-76638-2002.04.26-08.42.12--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Another option {if the site is suitable} would be to convert to a Digi_Ned computer based system. This would allow for the creation of a unique set of rules that could minimize problems. It should be possible to limit output from the site to only a desired path and through rule creation avoid dupes from other local wides.

The local NA4V-2 digi that I helped set up has undergone several rule modifications and is now working very well. Over the summer I hope to further simplify and refine the rules.

I will, at some, point document all of this but my Constitutional Law pre-final is only three hours away so it will have to wait. Pass this and I can skip the much tougher final.

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900. [aprssig] Re: Icons and findU

From: "J.Duffy Beischel" <wb8nut@arrl.net>
Date: Fri, 26 Apr 2002 8:10:58
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-76639-2002.04.26-08.45.27--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

My opinion - Make the default: Icons On.

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901. [aprssig] Re: Icons and findU

From: Bob Bruninga <bruninga@usna.edu>
Date: Fri, 26 Apr 2002 09:14:55 -0400 (EDT)
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: TAPR APRS Special Interest Group <aprssig@lists.tapr.org>
Message-ID: <LYR842-76640-2002.04.26-08.49.19--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

On Fri, 26 Apr 2002, Steve Dimse wrote:

> ... I thought some of you might like to see this before it is
> ready: http://www.findu.com/cgi-bin/dmap.cgi
> -----A POLL-----
> Drawing without icons has been around so long, I'm wondering if people
> will want the icons without asking for them....

Neat stuff!
My only comment is that I think most big maps look much better if only
ICONS (and no callsigns) are displayed at map range scales greater than
256 miles.

1) No one can distinguish individual calls anyway at such large map scales
2) Even if you do see a call, you still have to zoom in to make sense of it
3) You have to zoom in anyway, to resolve where the individual calls go..
4) Even if there is an ICON out in the middle of the atlantic, then
   he is still very visible and a simple zoom in, will reveal his call.

BIG maps (of the full feed) are only useful to get the big-picture of
activity, they are not very valuable to see individual calls. Yet if the
automatic suppression of calls above 256 mile range scale is used, then
the big maps with all the icons are very pleasant and revealing to look
at.

APRSdos has always done it that way when looking at large map scales with
one exception. Any Satellite callsign is always shown, since they cover
very large areas in short amounts of time. The rule for detecting a
Satellite call is that the ICON will be one of these three combinations:

```
   /S  Shuttle
   \S  Satellite
   S#  Digipeater with "S" overlay
```

Just a thought...

de WB4APR, Bob

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902. [aprssig] APRS+ SA restore settings

From: John Kraus <jfkraus3@cox.net>
Date: Fri, 26 Apr 2002 09:49:55 -0400
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-76646-2002.04.26-09.24.15--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Is there any way to have APRS+ SA restore the settings in the TNC when it
exits? It is setting my beacon to 0 and changes the UNPROTO path and
BTEXT. I have to remember to use Hyperterm to restore the default settings
each time I close APRS+. I know APRS dos does it correctly.

Even better would be a way to designate different files to use depending on
whether the TNC will be a home relay, a digi, or perhaps a stand alone
tracker.

This is basic functionality that should be available in all of the APRS
packages.

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903. [aprssig] Combo Cable with power

From: "Mike Yetsko" <myetsko@insydesw.com>
Date: Fri, 26 Apr 2002 09:57:56 -0400
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-76649-2002.04.26-09.33.26--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

I have a Palm IIIc and have made up cables for my laptop to my
Garmin GPS units before. But not for the Palm.

Now, I suppose I could use my hotsync cradle, since it has a power
input to charge the Palm, but I was thinking I could make up a small
box to feed power to the GPSIII I have as well as to the Palm.

Anyone know of a Palm interface cable that has power on it? Palm
to anything, actually... The key is to have the power feed so I can
charge the Palm. (I know the hotsync cradle has a regulated 5v
feed, so I'm assuming that's what I'd need.)

Mike

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904. [aprssig] Re: Garmin Extrex Family

From: "Mike Yetsko" <myetsko@insydesw.com>
Date: Fri, 26 Apr 2002 10:07:01 -0400
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-76653-2002.04.26-09.42.31--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

>
> Found a GPS12 on closeout last year, so no biggie.
>
> 73,
> Dale, W8ABZ

As far as I know, the GPS12 is still a current model from Garmin. The
12CX was discontinued. However, with the introduction of the E-Trex,
it appears that the market for the 12 has been seriously eroded. A lot
of retailers are cutting back on carrying the 12 and instead carry the
E-Trex as the 'bottom line' unit. Hey, the little E-Trex is a fantastic
unit
for the money! I bought my son one for Christmas and I had a 12.

Anyway, the going price for a new 12 on the shelf seems to be about
$140 or so, except from vendors that are dropping that unit to carry it.

You may have gotten a deal on the fact the dealer just wanted to drop
it from his inventory, not that it's discontinued. (Although personally,
I
wouldn't be surprised if Garmin drops the 12 in the future. I don't see
how it can maintain a slot in the face of the E-Trex. Although it is a
great unit, it does have a few drawbacks. The internal antenna for one.
And the 8v input for another. (Although the E-Trex is 3v input.)

Mike

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905. [aprssig] findu.com backup status

From: "Guy Story, KC5GOI" <kc5goi@kc5goi.net>
Date: Fri, 26 Apr 2002 09:04:46 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: "APRS+" <APRSPLUS@k8sn.org>, ham hud <hamhud@yahoogroups.com>,
javaAPRS <javaprs@yahoogroups.com>, WX SIG <wxsig@lists.tapr.org>,
xastir <Xastir@krypton.hscs.virginia.edu>
Message-ID: <LYR842-76655-2002.04.26-09.48.00--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Just sending an update. I have recieved the latest mail from the DCARC president. I have roughly a dozen more names to add and will update the amounts this weekend. Tuesday is the cutoff date. The plan is to contact Dell on May 6th to see what we can arrange using the DCARC 501c3 status. The DCARC will also send out the letters for the donations that requested it for tax deduction purposes in May. Most of the cheks should have cleared by now. If you made a donation in mid March, those are the ones we will be processing this weekend. If you made a donation before the middle of March and it has not cleared yet. Please contact me of the lists and we will see what the status is.

73

--
Guy Story, KC5GOI
Itel-Tigerbyte LLC
gstory@tigerbyte.com
940.891.4575

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906. [aprssig] RE: Icons and findU

From: "Jack Smith" <jrs38801@bellsouth.net>
Date: Fri, 26 Apr 2002 09:36:53 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-76663-2002.04.26-10.11.20--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

I like it a lot!

Jack KE4LWT

-----Original Message-----
From: bounce-aprssig-26384@lists.tapr.org
[mailto:bounce-aprssig-26384@lists.tapr.org]On Behalf Of Steve Dimse
Sent: Friday, April 26, 2002 3:58 AM
To: TAPR APRS Special Interest Group
Subject: [aprssig] Icons and findU

There is a long way to go, but so many people have asked for this over the years, I thought some of you might like to see this before it is ready:

http://www.findu.com/cgi-bin/dmap.cgi

I have moved the entire www.aprs.net map directory over to the server, including all contributed maps, you can play with one simply by adding a map= parameter, so the south Florida map is:

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907. [aprssig] The Floating APRS Forum at Dayton

From: "stanzepa@earthlink.net" <stanzepa@earthlink.net>
Date: Fri, 26 Apr 2002 10:47:15 -0400
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-76664-2002.04.26-10.21.45--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

There are two APRS forums at the Dayton Hamvention this year: an hour-long forum moderated by WA1LOU and a half-forum moderated by K4HG (which is really part of the TAPR Digital/Packet forum). In order to get more bang for our buck, K4HG and WA1LOU have joined forces to present the floating APRS forum at Dayton this year. Instead of having the same speakers speaking at both forums, each part of the floating forum will have a unique list of speakers.

Part 1 of the forum is on Friday, 9:30-10:30 AM in Room 3. The speakers at Part 1 will be Bob Bruninga, WB4APR, Dale Huguley, KG5QD, Mike Musick, N0QBF, and Keith and/or Mark Sproul, WU2Z and/or KB2ICI.

Part 2 of the forum is on Friday, 11:30 AM 12:00 PM in Room 1. The speakers at Part 2 will be Steve Dimse, K4HG, and Michael Cai, KF6ZDM.

For updates about the floating forum and everything else going on at Dayton APRS-wise, check the 2002: APRS Dayton Odyssey Web page (http://www.tapr.org/~wa1lou/2002/2002.html).

----
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http://mail2web.com/ .

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908. [aprssig] Re: APRS+ SA restore settings

From: k5qq@juno.com
Date: Fri, 26 Apr 2002 08:50:52 -0600
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: aprssig@lists.tapr.org
Message-ID: <LYR842-76667-2002.04.26-10.27.30--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

On Fri, 26 Apr 2002 09:49:55 -0400 John Kraus <jfkraus3@cox.net> writes:

> Is there any way to have APRS+ SA restore the settings in the TNC
> when it exits?
>

Hi John

In the main APRS+ directory is a file called RESTORE.TNC and you can edit it to include any commands you want to have sent to the TNC when you close the program. This is the same as is done in APRS-DOS.

Likewise the TNC configuration file that you select when you start APRS+ can be modified to include anything you want in addition to the normal configuration commands required.

I use the KPC tracker in my car as a standalone and at other times run from the laptop. My APRS+ 'KPC.TNC' file includes the lines to set all of the BLT's to zero. Thus my transmissions when I use the 'laptop in the car' configuration are from the APRS+ program. Likewise my RESTORE.TNC file resets all of the BLT's to my timed beacons so the KPC will beacon without the computer. It's the same steps you are doing using hyperterm.

It works great.

> This is basic functionality that should be available in all of the
> APRS packages.

APRS+, APRS (DOS) and WinAPRS all have the restore.tnc configurations.

Jim

____
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Juno offers FREE or PREMIUM Internet access for less!
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909. [aprssig] Re: APRS+ SA restore settings

```
From: "Guy Story, KC5GOI" <kc5goi@kc5goi.net>
Date: Fri, 26 Apr 2002 11:33:54 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: aprssig@lists.tapr.org
Message-ID: <LYR842-76678-2002.04.26-12.18.00--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain
```

```
Restore.tnc was missing in my aprs+ dir.  I created it last saturday and use
it to get around my D700 lockup but reseting the tnc when I exit.

73

Guy

On Friday 26 April 2002 09:50 am, k5qq@juno.com wrote:
> On Fri, 26 Apr 2002 09:49:55 -0400 John Kraus <jfkraus3@cox.net> writes:
> > Is there any way to have APRS+ SA restore the settings in the TNC
> > when it exits?
>
> Hi John
>
> In the main APRS+ directory is a file called RESTORE.TNC and you can edit
> it to include any commands you want to have sent to the TNC when you
> close the program. This is the same as is done in APRS-DOS.
>
> Likewise the TNC configuration file that you select when you start APRS+
> can be modified to include anything you want in addition to the normal
> configuration commands required.
>
> I use the KPC tracker in my car as a standalone and at other times run
> from the laptop.   My APRS+  'KPC.TNC' file includes the lines to set all
> of the BLT's to zero. Thus my transmissions when I use the 'laptop in the
> car' configuration are from the APRS+ program.   Likewise my RESTORE.TNC
> file resets all of the BLT's to my timed beacons so the KPC will beacon
> without the computer.  It's the same steps you are doing using hyperterm.
>
> It works great.
>
> > This is basic functionality that should be available in all of the
> > APRS packages.
>
> APRS+, APRS (DOS) and WinAPRS all have the restore.tnc configurations.
>
> Jim
>
> ________________________________________________________________
> GET INTERNET ACCESS FROM JUNO!
> Juno offers FREE or PREMIUM Internet access for less!
> Join Juno today!  For your FREE software, visit:
> http://dl.www.juno.com/get/web/.
>
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--
Guy Story, KC5GOI
Itel-Tigerbyte LLC
gstory@tigerbyte.com
940.891.4575

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```

910. [aprssig] Re: Combo Cable with power

```
From: "Jason Rausch" <ke4nyv@msn.com>
Date: Fri, 26 Apr 2002 12:34:9
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-76682-2002.04.26-13.08.32--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain
```

```
Check these guys out at: http://www.syncablesolutions.com/

If I remember right the Palm IIIc uses the same connector as the othe Palm
III units.  I would just buy one of these since the Palm brand cable is
discontinued now, chop off the DB-9 then feed it power and data that way.
7805's are small, you can probaly fit it inside the DB-9's shell.  I use
```

Handspring Palms mainly, so I had a few more obsticles, but it was nothing
a MAX-203 could'nt fix. Hope that helps.

73's
Jason KE4NYV
www.ke4nyv.com

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---

911. [aprssig] Re: Combo Cable with power

From: "Curt Mills, WE7U" <hacker@tc.fluke.com>
Date: Fri, 26 Apr 2002 10:58:16 -0700 (PDT)
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: TAPR APRS Special Interest Group <aprssig@lists.tapr.org>
Message-ID: <LYR842-76686-2002.04.26-13.32.42--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

On Fri, 26 Apr 2002, Jason Rausch wrote:

> Check these guys out at: http://www.syncablesolutions.com/
>
> If I remember right the Palm IIIc uses the same connector as the othe Palm
> III units. I would just buy one of these since the Palm brand cable is
> discontinued now, chop off the DB-9 then feed it power and data that way.

Ummm... Where is the MAX-??? (or equivalent) chip? inside the DE-9
housing? Careful what you chop off!

The Palms/Visors use 3V serial in/out. You need a converter
somewhere along the line to bump it up/down to more acceptable
RS-232 levels. Somewhere inside that cable is a converter chip.
Just be sure which end it's in before you get out your wirecutters.

Another place for cables is markspace.com

Curt Mills, WE7U   hacker.NO_*SPAM@tc.fluke.com
Senior Methods Engineer/SysAdmin
"Lotto: A tax on people who are bad at math." -- unknown
"Windows: Microsoft's tax on computer illiterates." -- WE7U

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912. [aprssig] RE: The Floating APRS Forum at Dayton

From: "Rich Garcia" <k4gps@bellsouth.net>
Date: Fri, 26 Apr 2002 14:06:54 -0400
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-76688-2002.04.26-13.41.11--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Has anything been planned possibly to make these a live web broadcast ? With
the advent of 802.11b and broadband these past 2 years I would suppose this
is a possibility.

Rich K4GPS

-----Original Message-----
From: bounce-aprssig-19959@lists.tapr.org
[mailto:bounce-aprssig-19959@lists.tapr.org]On Behalf Of
stanzepa@earthlink.net
Sent: Friday, April 26, 2002 10:47 AM
To: TAPR APRS Special Interest Group
Subject: [aprssig] The Floating APRS Forum at Dayton

There are two APRS forums at the Dayton Hamvention this year: an hour-long
forum moderated by WA1LOU and a half-forum moderated by K4HG (which is
really part of the TAPR Digital/Packet forum). In order to get more bang for
our buck, K4HG and WA1LOU have joined forces to present the floating APRS
forum at Dayton this year. Instead of having the same speakers speaking at
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speakers.

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Part 2 of the forum is on Friday, 11:30 AM 12:00 PM in Room 1. The speakers at Part 2 will be Steve Dimse, K4HG, and Michael Cai, KF6ZDM.

For updates about the floating forum and everything else going on at Dayton APRS-wise, check the 2002: APRS Dayton Odyssey Web page (http://www.tapr.org/~wa1lou/2002/2002.html).

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913. [aprssig] Re: Combo Cable with power

From: "Jason Rausch" <ke4nyv@msn.com>
Date: Fri, 26 Apr 2002 13:31:21
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-76690-2002.04.26-14.05.44--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Uh, no, I mentioned the MAX for my cable. He has a PALM IIIc, he can use the regular serial cable without any level conversion. The Handsprings output TTL and require TTL in that is why I used a MAX-203. The Palm brand PDAs use true serial on the ports. That is why he can take a typical Palm serial cable and chop off the DB-9 and put on what he needs including power to the coresponding pin.

73's
Jason KE4NYV
www.ke4nyv.com

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914. [aprssig] Re: Combo Cable with power

From: David VanHorn <dvanhorn@cedar.net>
Date: Fri, 26 Apr 2002 13:51:05 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: TAPR APRS Special Interest Group <aprssig@lists.tapr.org>
Message-ID: <LYR842-76692-2002.04.26-14.29.15--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

>
>Ummm... Where is the MAX-??? (or equivalent) chip? inside the DE-9
>housing? Careful what you chop off!
>
>The Palms/Visors use 3V serial in/out. You need a converter
>somewhere along the line to bump it up/down to more acceptable
>RS-232 levels. Somewhere inside that cable is a converter chip.

Umm.. No.

3V is the minimum 232 spec. My IIIc outputs standard 232.

I've wired up a cable that plugs into my laptop's USB connector (5V) and charges the palm, and also provides connectivity to my TH-D7 for portable work. No converters needed.

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Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

915. [aprssig] Re: Combo Cable with power

From: "Curt Mills, WE7U" <hacker@tc.fluke.com>
Date: Fri, 26 Apr 2002 12:10:19 -0700 (PDT)
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: TAPR APRS Special Interest Group <aprssig@lists.tapr.org>
Message-ID: <LYR842-76697-2002.04.26-14.44.45--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

On Fri, 26 Apr 2002, David VanHorn wrote:

> 3V is the minimum 232 spec. My IIIc outputs standard 232.

True, 3V is in the spec. Inverted serial is not...

For a Handspring you still need to invert it, and there's probably not much protection at the Handspring interface either. You still need the converter chip (or equivalent) for a Handspring.

It sounds like for a Palm they have the normal polarity of serial signals going in/out. That's a good thing.

Curt Mills, WE7U   hacker.NO_*SPAM@tc.fluke.com
Senior Methods Engineer/SysAdmin
"Lotto: A tax on people who are bad at math." -- unknown
"Windows: Microsoft's tax on computer illiterates." -- WE7U

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916. [aprssig] Re: Combo Cable with power

From: David VanHorn <dvanhorn@cedar.net>
Date: Fri, 26 Apr 2002 14:13:49 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: TAPR APRS Special Interest Group <aprssig@lists.tapr.org>
Message-ID: <LYR842-76700-2002.04.26-14.51.59--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

At 12:10 PM 4/26/2002 -0700, Curt Mills, WE7U wrote:
>On Fri, 26 Apr 2002, David VanHorn wrote:
>
> > 3V is the minimum 232 spec. My IIIc outputs standard 232.
>
>True, 3V is in the spec. Inverted serial is not...
>
>For a Handspring you still need to invert it, and there's probably
>not much protection at the Handspring interface either. You still
>need the converter chip (or equivalent) for a Handspring.

Sounds like the handspring presents the UART TTL pins on the interface.
That's definitely not 232, though it's still async serial.
You have to add a level converter in both directions to make that happen.

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917. [aprssig] Re: Combo Cable with power

From: "Jason Rausch" <ke4nyv@msn.com>
Date: Fri, 26 Apr 2002 16:44:15
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-76709-2002.04.26-17.18.38--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Curt, did you actually read a damn thing I said on this subject? I said ALL along that the Palm III units use standard 232. The HANDSPRING is what need the level conversion! I NEVER said that the Palm III units needed the chip, YOU said that. Even Dave backed up what I said. I'm not an engineer, but I do know how to read and learn without getting a college degree.
73's

Jason KE4NYV
www.ke4nyv.com

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Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

918. [aprssig] Re: Combo Cable with power

From: "Jason Rausch" <ke4nyv@msn.com>
Date: Fri, 26 Apr 2002 16:48:36
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-76710-2002.04.26-17.23.02--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

I actually designed and built my own cable for my Handspring units. You can see a schematic on my site at www.ke4nyv.com/portapacket, can link to it from there or go directly with this link http://www.ke4nyv.com/ttltoserialcable.htm. There are also pictures in the Portable Packet section.
73's
Jason KE4NYV
www.ke4nyv.com

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919. [aprssig] Re: Combo Cable with power

From: "Curt Mills, WE7U" <hacker@tc.fluke.com>
Date: Fri, 26 Apr 2002 15:40:03 -0700 (PDT)
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: TAPR APRS Special Interest Group <aprssig@lists.tapr.org>
Message-ID: <LYR842-76712-2002.04.26-18.14.29--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

On Fri, 26 Apr 2002, Jason Rausch wrote:

> Curt, did you actually read a damn thing I said on this subject? I said ALL along that the Palm III units use standard 232. The HANDSPRING is what need the level conversion! I NEVER said that the Palm III units needed the chip, YOU said that. Even Dave backed up what I said. I'm not an engineer, but I do know how to read and learn without getting a college degree.

Take a chill pill, I'm just trying to help man... In between doing a bunch of other things that I'm paid to do.

I don't believe that I cut anyone down with what I said or tried to invalidate anyone's points... Just trying to add to the conversation and fill in holes here and there. I own a Handspring Visor, not a Palm, so I'm no expert in Palms. Never claimed to be. I just said to be careful. Other people filled in the rest of the holes.

If I didn't understand the conversation as a whole and interjected things that didn't need to be interjected, blame it on the 10 different projects that I'm working on today.

'nuff said.

Curt Mills, WE7U   hacker.NO_*SPAM@tc.fluke.com
Senior Methods Engineer/SysAdmin
"Lotto: A tax on people who are bad at math." -- unknown
"Windows: Microsoft's tax on computer illiterates." -- WE7U

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920. [aprssig] Fwd: Starshine 2 Return

From: blitz <blitz@macronet.net>
Date: Fri, 26 Apr 2002 18:52:19 -0400
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-76713-2002.04.26-18.27.16--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

>
>NASA Science News for April 25, 2002
>
>A glittering satellite named Starshine 2 will disintegrate like a vivid
>meteor in Earth's atmosphere on April 26th.
>
>FULL STORY at
>
>http://science.nasa.gov/headlines/y2002/25apr_starshine2.htm?list533604

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921. [aprssig] GPS binary datastream

From: "Sergio Matias" <ct2hmn@clix.pt>
Date: Sat, 27 Apr 2002 13:35:51 +0100
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-76785-2002.04.27-08.10.36--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Hello all.

Below is a sample of some kind of GPS binary data (I think..)
Does anyone knows how to decode it?

```
13:02:45R HI>CQ Port=1 <UI Len=70>:
Y~}□TPVbaw□~o@nOv{O^@GOFbb□rO]zbNB}W}SdaGYveb`Lqi]e@w□fQ□xotG|cjcWfkjY
13:02:50R HI>CQ Port=1 <UI Len=70>:
fAB@koaT^J@ApPuWw{O^@gJ|V]@Mpby}x}IhBlwBpeIZL_sHBUe@w□fa]yovG|cbWH[TUq
13:03:00R HI>CQ Port=1 <UI Len=70>:
fAB@kof^^K@AphZPIDpZ@gM|X]@Mpbi□|}fW}coQ`eIZT_SB~Ae@w□C~`@PZxC\G]pXTUC
13:03:05R HI>CQ Port=1 <UI Len=70>:
fAB@NPuhal□~OKGpKDph□h{kvb□rOxI~t}rW}c[uOZves`lycZe@w□f~]vo~G|CoLH[TUT
13:03:10R HI>CQ Port=1 <UI Len=70>:
fAB@koB[^e□~OGiWw{O{□Xp}eb□rO]VBMBHhB\X□O[vee`\|JjZ□H@Y~CAPmG|C_rofkjt
13:03:15R HI>CQ Port=1 <UI Len=70>:
Y~}□qoLS^y□~O_QXHDpB@gIvzb□rOxy]r}hW}c□xWXvel`\□MkZ□H@YAQNPQxC\o[XYTU`
13:03:20R HI>CQ Port=1 <UI Len=60>:
Y~}□TP{cbk□~oDQXJDpn□Xwq`b□rO]jcDBUhBl{IDfI\P□GIbJ@aOpXm`nQT
13:03:25R HI>CQ Port=1 <UI Len=60>:
fAB@koHT]A@APeApJDp~□x}ceb□rO]r@OBwW}SZYPeI\E□GETA@aOpXeCmQW
13:03:30R HI>CQ Port=1 <UI Len=60>:
fAB@ko@X]R@APQeKw{O□□DtZrb□rOx]lw}GhBlqUTeI\r@xvzS@aOp}zm^na
13:03:35R HI>CQ Port=1 <UI Len=60>:
Y~}□TpH`b~□~oiNHJDpv□D}[gb□rO]BBCB□W}SQFPeI\`@xqiz□^pOgf~^nY
13:03:40R HI>CQ Port=1 <UI Len=60>:
fAB@kO{W]T@APbUDIDpP@[Cytb□rOxclw}sW}SeGTdI\A□GHN\@aOp}vlVnR
```

Sergio Matias - CT2HMN

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922. [aprssig] Re: GPS binary datastream

From: "Jason Rausch" <ke4nyv@msn.com>
Date: Sat, 27 Apr 2002 9:58:41
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-76804-2002.04.27-10.33.09--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

I could be wrong, but binary would be 1's and 0's. Are you referring to
Rockwell Binary?
73's
Jason KE4NYV
www.ke4nyv.com

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923. [aprssig] IGATE NWS ?

From: Neil Johnson <njohnsn@iowatelecom.net>
Date: Sat, 27 Apr 2002 16:49:13 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-76831-2002.04.27-17.36.15--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

I have been playing around with my IGATE. How do I set it up to gate to RF
NWS watches and warnins ?

Thnx

--
Neil Johnson, N0SFH
http://www.iowatelecom.net/~njohnson
http://www.njohnsn.com/
PGP key available on request.

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---

924. [aprssig] Re: IGATE NWS ?

From: "hasan schiers" <schiers@netins.net>
Date: Sat, 27 Apr 2002 17:34:51 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-76833-2002.04.27-18.09.19--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

When people write in to request how to do something with an aprs program:

PLEASE, tell us what program and what version you are running. I'd love to
help, but how Igating is done varies by program and you didn't mention what
program.

I can help you with APRS+SA, others can help with WinAPRS, others with
UIView, etc. etc.

73
hasan schiers, N0AN

schiers@netins.net
or use amsat.org or arrl.net remailer
----- Original Message -----
Subject: [aprssig] IGATE NWS ?

>
> I have been playing around with my IGATE. How do I set it up to gate to RF
> NWS watches and warnins ?

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Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

---

925. [aprssig] Re: IGATE NWS ?

From: Neil Johnson <njohnsn@iowatelecom.net>
Date: Sat, 27 Apr 2002 17:27:26 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-76834-2002.04.27-18.14.24--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

On Saturday 27 April 2002 05:34 pm, hasan schiers wrote:
> When people write in to request how to do something with an aprs program:
>
> PLEASE, tell us what program and what version you are running. I'd love to
> help, but how Igating is done varies by program and you didn't mention what
> program.
>
> I can help you with APRS+SA, others can help with WinAPRS, others with
> UIView, etc. etc.
>

Sorry, I'm running APRSD.

--
Neil Johnson, N0SFH
http://www.iowatelecom.net/~njohnsn
http://www.njohnsn.com/
PGP key available on request.

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926. [aprssig] Changing Symbols in BTEXT Question

From: "J.Duffy Beischel" <wb8nut@arrl.net>
Date: Sat, 27 Apr 2002 18:27:59
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-76840-2002.04.27-19.02.24--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

I have my mobile as WB8NUT-12 but am trying to change the symbol to the blue RV vehicle. Since I have a KPC3+, the symbol must be changed using BTEXT. I have changed BTEXT to ">{R} Duffy - www.wb8nut.com". After the TNC sends the beacon text, the symbol remains a Jeep on WinAPRS 2.5.1. Any suggestions or am I formatting the BTEXT incorrectly.

I know, kind of stupid, but it's raining here today. Have to find something to play with on APRS.

Duffy

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927. [aprssig] REF: Changing Icons

From: Matthew Stennett <WA4TKG@attbi.com>
Date: Sat, 27 Apr 2002 19:38:59 -0400
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: TAPR APRS Special Interest Group <aprssig@lists.tapr.org>
Message-ID: <LYR842-76842-2002.04.27-19.13.30--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

That's HALF the FUN of this program/stuff.

>
> I know, kind of stupid, but it's raining here today. Have to find
> something to play with on APRS.
>
> Duffy

When N Korea sent up it's " Radong II " ICBM test missile, I put
an icon onto an HF DX cluster frequency to beacon....
(lived in Tokyo @ the time, the missile went CLEAR ACROSS
Japanese airspace, from W > E....
not two days later, their mini sub ran aground just across
the border of N/S Korea. Again, I found an appropriate
icon to put onto the cluster frequency.

Yup....bored, bored, BORED.
(what else would you do when it rains, if we didn't have THIS ?)

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928. [aprssig] Mac APRS

From: "Josh Gould" <kc8eqa@columbus.rr.com>
Date: Sat, 27 Apr 2002 21:35:59 -0400
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-76857-2002.04.27-21.11.28--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

I have a question. Is MacAPRS 3.5.2 the latest version?

73's
Josh
KC8EQA
EN80KA

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929. [aprssig] RE: Mac APRS

From: "Josh Gould" <kc8eqa@columbus.rr.com>
Date: Sat, 27 Apr 2002 21:53:27 -0400
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-76860-2002.04.27-21.29.00--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Will the maps from WinAPRS work on MacAPRS?

73's
Josh
KC8EQA
EN80KA

-----Original Message-----
From: Keith Sproul [mailto:ksproul@vger.rutgers.edu]
Sent: Saturday, April 27, 2002 9:47 PM
To: Josh Gould
Subject: Re: [aprssig] Mac APRS

Currently, but we are working on it right now..

Keith

>I have a question. Is MacAPRS 3.5.2 the latest version?
>
>
>73's
>Josh
>KC8EQA
>EN80KA
>
>
>
>
>
>---
>You are currently subscribed to aprssig as: ksproul@vger.rutgers.edu
>To unsubscribe send a blank email to
leave-aprssig-842K@lists.tapr.org
>Questions regarding the SIG go to the SIG administrator:
wa1lou@tapr.org

--
Keith Sproul   Ham Radio WU2Z
ksproul@vger.rutgers.edu   732 821-4828

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930. [aprssig] Re: Mac APRS

From: Stan Horzepa <stanzepa@earthlink.net>
Date: Sat, 27 Apr 2002 22:35:17 -0400
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-76862-2002.04.27-22.09.52--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

YES

On 04/27/02 21:35, "Josh Gould" <kc8eqa@columbus.rr.com> wrote:

> I have a question. Is MacAPRS 3.5.2 the latest version?
>
>
> 73's
> Josh
> KC8EQA
> EN80KA

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---

931. [aprssig] RE: Mac APRS

From: Stan Horzepa <stanzepa@earthlink.net>
Date: Sat, 27 Apr 2002 22:35:47 -0400
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-76863-2002.04.27-22.10.25--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

YES

On 04/27/02 21:53, "Josh Gould" <kc8eqa@columbus.rr.com> wrote:

> Will the maps from WinAPRS work on MacAPRS?
>
>
> 73's
> Josh
> KC8EQA
> EN80KA

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---

932. [aprssig] Re: IGATE NWS ?

From: KC7ZRU - Tate <kc7zru@arrl.net>
Date: Sat, 27 Apr 2002 20:54:16 -0600
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-76870-2002.04.27-22.28.45--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

aprsd controls what stations are gated to RF in the aprsd.conf file -
near the end. Comments in the config file itself.

Here's an example:

```
Gate2rf IGUP KC7ZRU-3 RIWTOR
```

IGUP - the 'I-gate is alive' beacon from N7XUC
KC7ZRU-3 - my mobile tracker
RIWTOR - Tornado warning issued by NWS from the Riverton, WY office

All 3 of those will be gated to RF as soon as they're seen on the I-net
side.

Be sure to understand the difference between 'Posit2rf', 'gate2rf' and
'Msgdest2rf' - it's all explained in the docs and in the config file's
comments.

73

Neil Johnson wrote:
>
>
> Sorry, I'm running APRSD.
>
> --
> Neil Johnson, N0SFH
> http://www.iowatelecom.net/~njohnsn
> http://www.njohnsn.com/

```
> PGP key available on request.
>

--
              Casper, WY    |    CARC Repeater
                DN62tt      |      146.940
        "The Dungeon" online at http://go.to/kc7zru
            "RTFM" is NOT a 'four letter' word!

---
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```

933. [aprssig] Re: [Aprsd-devel] Latest APRSD

From: Neil Johnson <njohnsn@iowatelecom.net>
Date: Sat, 27 Apr 2002 22:20:46 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-76875-2002.04.27-23.07.49--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

```
On Saturday 27 April 2002 09:59 pm, KC7ZRU - Tate wrote:
> Neil Johnson wrote:
> > How do I get the latest APRSD ?
>
Can someone elaborate more on the differences between

APRSD 2.15a10 and APRSD 2.2.X


Thnx.

--
Neil Johnson, N0SFH
http://www.iowatelecom.net/~njohnsn
http://www.njohnsn.com/
PGP key available on request.

---
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```

934. [aprssig] Hyperterm to KPC3+

From: "M. Schneider" <msokla@provalue.net>
Date: Sat, 27 Apr 2002 22:58:56 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-76878-2002.04.27-23.31.15--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

```
Can anybody tell me the specific settings to use to connect to a KPC3+ using
Hyperterm?  I have a 3+ that has been programmed with the settings (by
another ham) to act as a digi for my area.  We are finally ready to put a
digi on the air in the near future, but the location, antenna height, etc.,
has changed since the tnc was programmed.  I've tried to connect to the tnc
using Hyperterm, but can't get any response.  Obviously I'm doing something
wrong, but I don't know what.  I need a step-by-step procedure, settings,
etc., for doing this.

TIA & 73,
Mark Schneider
K5MAR
Stillwater, OK ARC
Asst. EC, Payne Cty, OK ARES



---
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```

935. [aprssig] Reminder for D700 owners (NWS watches/warnings/etc)

From: "Mark A.Foley" <na4v@cox.net>
Date: Sun, 28 Apr 2002 08:59:47 -0400
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-76911-2002.04.28-08.34.59--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

```
D700 Owners....
If your local Igate is gating NWS watches/warnings/etc to RF, you may
want to add something to your D700 programming if you want to receive
the accompanied text message(s) that typically follows when a NWS
warning is issued and gated to RF.  These text messages describe the
storm/event...its movement...speed...etc....

To receive the text messages, you will need to add SKY* to your message
group code.  To do this:
        1. Press MNU to enter Menu mode
        2. Select MSG GROUP 3-P
        3. after the ALL,QST,CQ,KWD, add SKY*
        (see page 34 of your Kenwood Specialized Communications manual
for more information)

With recent changes to how Dale's WXSVR is sending these messages,
owners who are not interested in NWS/SKYWARN stuff (I can't imagine who?
<g>) will not receive the messages and fill up their message buffer

Mark A. Foley, NA4V

________________________________________________________________
APRS javAPRSSrvr Servers:
Ahubeast.net Port 2023  (AHubEast - World-Wide APRS Server)
Ahubeast.net Port 14579 (AHubEast - Eastern States APRS Server)
               more info: www.na4v.com
________________________________________________________________



---
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```

936. [aprssig] Digi specific station with KPC-3+

From: "Bud Talbot" <kb9wvg@arrl.net>
Date: Sun, 28 Apr 2002 8:5:47
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-76916-2002.04.28-08.40.15--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

```
I'm going to start using a TH-D7ag when I'm on foot away from my truck, and
I'd like to set up my mobile tracker in the truck to digi the low power
packet from the HT. My tracker is a KPC-3+ (v. 8.3) and a 50W mobile rig.
In order to set up the tnc so that it only digi's my packet from the HT and
not everything it hears (want to keep from flooding everybody), what do I
need to do? Do I use the uidigi command and just enter the call with ssid
from my HT? ANy help would be greatly appreciated.

73
Bud
KB9WVG

---
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```

937. [aprssig] Re: Hyperterm to KPC3+

From: "Ev Tupis (W2EV)" <w2ev@arrl.net>
Date: Sun, 28 Apr 2002 09:06:04 -0400
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: TAPR APRS Special Interest Group <aprssig@lists.tapr.org>
Message-ID: <LYR842-76917-2002.04.28-08.42.47--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

```
"M. Schneider" wrote:
>
> Can anybody tell me the specific settings to use to connect to a KPC3+ using
> Hyperterm?  I have a 3+ that has been programmed with the settings (by
> another ham) to act as a digi for my area.

Dear Mark,
By now, you may have already received a ton of e.mails with helpful advice
(or possibly not...it's tough to know with the way the sig is configured for
responses now).  [[Stan...not a flame...just a truism]]

There are three reasons for the symptom that you are experiencing:
```

o Your connection between computer and TNC is faulty
o Your baud-rate (between computer and TNC) is set incorrectly
o Your TNC is in a non-interrogative mode (one that doesn't allow
  communication with a TNC)

o Your connection between computer and TNC is faulty

This is a physical thing. Check for broken wire, etc. Also...to communicate with a TNC, your cable must have three good wires...and they must be TX, RX and signal ground. The TX on one end of the cable must connect to the RX on the other end. The signal ground is 'straight through'.

o Your baud-rate (between computer and TNC) is set incorrectly

Don't confuse the TNC's 1200 baud rate (how fast it TX's over the air) with the speed with which it communicates with your computer. They are two different things. Try 9600 baud first, then 4800 baud, then 2400 baud, then 1200 baud, in that order. NOTE: some combinations of OS/hardware may require that you set the baud rate in HyperTerm, then exit and return to HyperTerm before the changes take effect.

o Your TNC is in a non-interrogative mode (one that doesn't allow
  communication with a TNC)

This is most often the case when a KPC3 (and +) is used in a mobile tracker. In that case, the last command that is issued (to put it in that mode) is INTFACE GPS...which silences the TNC to Computer interaction. To 'awaken' it again, one issues <ctrl>-<c> three times (at the baud rate specified in it's configuration [see bullet above]) after which you are presented with the warm and friendly CMD: prompt. :o)

Note: for some reason, HyperTerminal intercepts <ctrl>-<c>'s. While some people have had success in using it for such purposes, I've had more problems than it's worth...and have reverted to using a Legacy Serial Communication software system that was built in the DOS days. This system has *never* failed me. If you want to give it a try, you can find it here:

http://classic.tucows.com/preview/4682.html

Here's wishing you well. Let us know when you're successful so we know when to stop answering your inquiry. :o)

Warm regards,
Ev Tupis, W2EV

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Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

938. [aprssig] Re: Hyperterm to KPC3+

From: Doug Ferrell <kd4moj@kd4moj.org>
Date: Sun, 28 Apr 2002 09:16:02 -0400
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-76927-2002.04.28-09.01.40--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

At 10:58 PM 04/27/2002 -0500, M. Schneider wrote:
>Can anybody tell me the specific settings to use to connect to a KPC3+ using
>Hyperterm? I have a 3+ that has been programmed with the settings (by
>another ham) to act as a digi for my area. We are finally ready to put a
>digi on the air in the near future, but the location, antenna height, etc.,
>has changed since the tnc was programmed. I've tried to connect to the tnc
>using Hyperterm, but can't get any response. Obviously I'm doing something
>wrong, but I don't know what. I need a step-by-step procedure, settings,
>etc., for doing this.

Tim you can adjust your serial port settings in Hyperterm to match the baud rate of the TNC. Once you have Hyperterm up, select File, Properties and look at the "connect to" box. It should show your serial port. Then select Configure. That will allow you to check your baud rate to the serial port. Start with 9600 and work down.

Another way to configure is when you are in Hyperterm, power the TNC down, then back up. You will see garbage. When you start to see text, press the asterisk key (Shift 8) and that will match the baud rate of your KPC3 to Hypertems baud rate.

```
        I use this (Hyperterm) all the time to configure my KPC3's.



...DOUG
kd4moj
           Tallahassee Florida: Home of the Virtual President
    Where am I?????  ----------->>>>      http://map.findu.com/kd4moj
    http://www.tallahassee-scanner.com  Scanning Tallahassee Florida
  +--------------------------------------------------------------------+
  | Doug Ferrell                                       (850) 575-7119 |
  | kd4moj@kd4moj.org, http://www.kd4moj.org           Fax (850) 575-6577 |
  | Amateur Radio & Television (ATV), APRS               APRS 144.390 Mhz |
 _| 3027.27N / 08420.80W  Tallahassee Florida     131.8 CTCSS 444.400 Mhz |_
```

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---

939. [aprssig] Re: Should I turn my Igate off?

From: Mark Phillips <g7ltt@g7ltt.com>
Date: Sun, 28 Apr 2002 09:52:56 -0400
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-76928-2002.04.28-09.25.58--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

As nobody could give me a reason to either close it or keep it open, I have decided to close it. My reasons for this are simple; I can't be bothered with it.

I am however willing to turn the running of it over to someone else (whom would probably do a better job than me anyhow). If you'd like to take over the running of the Igate drop me a line.

Mark Phillips G7LTT/KC2ENI
Randolph, NJ 07869

> Tech spec:
>
> TNC: PK88
> TRX: MFJ Data Radio. 5W output
> ANT: Homemade 300Ohm ribbon J-Pole taped to the computer room window
looking
> East.
> PC: P2/300 ruining (sic) Linux and Dale's APRSd.
> Net: T1 all of its very own!
>

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---

940. [aprssig] aprs-ce

From: Ronald Armstrong <roarmst@videotron.ca>
Date: Sun, 28 Apr 2002 10:41:51 -0400
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-76933-2002.04.28-10.16.21--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Where can I get the latest for APRS-CE.

Ronald VE2JOR
[Attachment: roarmst.vcf; text/x-vcard; 209 bytes]

---

941. [aprssig] Re: Hyperterm to KPC3+

From: "Guy Story, KC5GOI" <kc5goi@kc5goi.net>
Date: Sun, 28 Apr 2002 10:30:30 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-76937-2002.04.28-11.05.10--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Mark, try out 9600, N81 in the settings. Then turn on the KPC3+ and see what kind of text you get. If it is garbage, tell hyperterm to disconnect, then try 1200 baud and step your way up. You have to disconnect hyperterm (not close) before you make changes or it will not take effect. Once you get a command prompt, I suggest you send the echo on command.

73

Guy Story, KC5GOI

On Saturday 27 April 2002 10:58 pm, M. Schneider wrote:
> Can anybody tell me the specific settings to use to connect to a KPC3+
> using Hyperterm?

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942. [aprssig] Re: Digi specific station with KPC-3+

From: "Guy Story, KC5GOI" <kc5goi@kc5goi.net>
Date: Sun, 28 Apr 2002 10:46:01 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-76938-2002.04.28-11.20.38--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Bud, do not install any generic aliases in the tnc, tell your D7AG to digi via the specific call in your KPC3+. If you do not have generic aliases (WIDE, WIDEN-N etc) your digi in the KPC3+ will only digi stations that point to your call in the KPC3+. Tell your D7A to digi KB9WVG-3,WIDE2-2. Use what ever ssid you want, I picked -3 out of habit. No one else should have your digipeater call in thier unprotopath. This will keep you from being the roaming "RELAY" for everone else.

73

Guy Story, KC5GOI

On Sunday 28 April 2002 03:05 am, Bud Talbot wrote:
> I'm going to start using a TH-D7ag when I'm on foot away from my truck,

---
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Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

943. [aprssig] Re: IGATE NWS ?

From: "Guy Story, KC5GOI" <kc5goi@kc5goi.net>
Date: Sun, 28 Apr 2002 10:48:48 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-76939-2002.04.28-11.23.24--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

If you use aprsd 2.1.4.vk3sb2, the cvs distrobutions and up, you can wild card the last 3 characters. For example, RIW*. That is what I am doing in the DFW area.

73

Guy Story, KC5GOI

On Saturday 27 April 2002 09:54 pm, KC7ZRU - Tate wrote:
> aprsd controls what stations are gated to RF in the aprsd.conf file -
> near the end. Comments in the config file itself.
>
> Here's an example:
>
> Gate2rf IGUP KC7ZRU-3 RIWTOR
>
> IGUP - the 'I-gate is alive' beacon from N7XUC
> KC7ZRU-3 - my mobile tracker
> RIWTOR - Tornado warning issued by NWS from the Riverton, WY office
>

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944. [aprssig] GPS to Yaesu FT-3000m

From: w.nolle@mchsi.com
Date: Sun, 28 Apr 2002 10:57:47 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-76940-2002.04.28-11.32.09--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

```
Has anyone on the sig hooked a GPS to the above radio, if so
how did you do this. I have had this rig for several years but
never even opened the box. Looks like a great radio for APRS.
All you have to do to hookup a KPC3 is to plug it into the radio.

--
William Nolle wa8inz
wa8inz@amsat.org
Hazel Green,AL

New Porta-Digi site:
http://home.mchsi.com/~w.nolle/
Find me:
http://www.findu.com/cgi-bin/find.cgi?wa8inz



---
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```

945. [aprssig] "how to" I-Gate

From: JD Delancy <W1JD@drix.net>
Date: Sun, 28 Apr 2002 12:11:03 -0400
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-76941-2002.04.28-11.51.06--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

```
Where do I find "how to" instructions on putting up an I-Gate?

---
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To unsubscribe send a blank email to leave-aprssig-842K@lists.tapr.org
Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org
```

946. [aprssig] Re: Hyperterm to KPC3+

From: "Chris Rose" <kb8uih@arrl.net>
Date: Sun, 28 Apr 2002 12:42:16 -0400
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-76944-2002.04.28-12.16.51--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

```
Ev,
At the bottom of your suggestions, INTFACE may need to be set to TERMINAL
instead of NEWUSER or whatever its set to.  That may clear up the
communications between TNC and computer.  I have used HYPERTERMINAL for a
while with TNCs and haven't had a problem.

Chris
KB8UIH

----- Original Message -----
From: "Ev Tupis (W2EV)" <w2ev@arrl.net>
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Sent: Sunday, April 28, 2002 9:06 AM
Subject: [aprssig] Re: Hyperterm to KPC3+


< C U T >

> o Your TNC is in a non-interrogative mode (one that doesn't allow
>   communication with a TNC)
>
> This is most often the case when a KPC3 (and +) is used in a mobile
> tracker.  In that case, the last command that is issued (to put it in that
> mode) is INTFACE GPS...which silences the TNC to Computer interaction.  To
> 'awaken' it again, one issues <ctrl>-<c> three times (at the baud rate
> specified in it's configuration [see bullet above]) after which you are
> presented with the warm and friendly CMD: prompt. :o)
```

>
> Note: for some reason, HyperTerminal intercepts <ctrl>-<c>'s. While some
> people have had success in using it for such purposes, I've had more
> problems than it's worth...and have reverted to using a Legacy Serial
> Communication software system that was built in the DOS days. This system
> has *never* failed me. If you want to give it a try, you can find it
here:
>
> http://classic.tucows.com/preview/4682.html
>
> Here's wishing you well. Let us know when you're successful so we know
when
> to stop answering your inquiry. :o)
>
> Warm regards,
> Ev Tupis, W2EV
>
>
> ---
> You are currently subscribed to aprssig as: kb8uih@arrl.net
> To unsubscribe send a blank email to leave-aprssig-842K@lists.tapr.org
> Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org
>
>

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947. [aprssig] ISS and PCsat SATgates

From: Bob Bruninga <bruninga@usna.edu>
Date: Sun, 28 Apr 2002 12:46:01 -0400 (EDT)
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: amsat-bb@amsat.org, TAPR APRS SIG <aprssig@lists.tapr.org>
Message-ID: <LYR842-76945-2002.04.28-12.21.06--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Someone wrote about simple OMNI Satgates for ISS and PCsat:

> a plain 5/8 whip works for me, as does crossed dipoles over a large
> ground plane. [My almost flat aluminium roof]. I have a VK5 preamp which
> works wonders too.

SATgate antennas for ISS and PCsat feeds to the worldwide internet are a different kettle-of-fish from our normal terrestrial ham experiences:

1) The SATgate does not need to hear all packets. Even if it only hears 70%, then two SATgates in the same area combined will hear 90%.

2) Below about 10 degrees, these birds are too far away to be reliably decoded on any OMNI antenna. Putting OMNI gain on the horizon is really a wasted effort since that gain will subtract from gain at higher angles and it will never be enough on the horizon anyway.

3) OMNI SATgate gain should shoot for angles above 10 degrees. Use a 1/4 wave whip over a ground plane. This antenna has a broad lobe that will hear the satellite the other 70% of the time when it is above 10 degrees and the satellite is 6 dB or more closer.

4) The 5/8th wave has all of its gain on the horizon. At all angles above 15 degrees, the 1/4 wave does several dB better AND the bird is 6 dB or more closer. Between 30 to 50 degrees, for example the 1/4 wave is 11 dB or more better!

So put the gain up, where you can hear it and dont waste gain down where the signal is too weak anyway... See these two WEB pages:

* 70% of the time the Bird is above 10 deg. See table in:
      http://www.ew.usna.edu/~bruninga/rotator1.html

* Gain of 5/8ths versus 1/4, see plot near the end of:
      http://www.ew.usna.edu/~bruninga/astars.html

The plot was done for 435 MHz to hear the mode J birds, but it also applies for 2 meters. Ignore the plot labeled 2m 5/8ths because again, that was showing the received plot using that antenna at 435...

What you want to compare is the 70cm 1/4 and 70cm 5/8ths plots to see the improvement at all angles above 15 degrees. Yes, the 5/8ths does have an some better performnce above 60 degrees, but any satellite is only above 60 degrees less than 2% of the time!

Nothing beats a 1/4 wave whip over a flat ground plane for simplicity for ISS and PCsat type SATgates... (other than an AZ/EL tracking system of course). The simplicity, redundancy, reliability of having 2 or more simple OMNI satgates is usually going to be better than trying to maintain a single vulnerable hi-tech az/el tracking satgate...

And the 1/4 wave will do 5 to 10 dB better than a 5/8ths... during the majority of the time it can hear it.

de WB4APR, Bob

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948. [aprssig] HAMvention maps

From: Bob Bruninga <bruninga@usna.edu>
Date: Sun, 28 Apr 2002 14:09:48 -0400 (EDT)
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-76947-2002.04.28-13.44.19--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Does anyone hve a copy of the HAMVENTION brochure for this year? Is it published yet? I cant find it on the WEB.

I want to see if the maps of the surrounding area that show where the hotels are has some kind of legend that happens to "number" both hotels and restaurants and other specific venues..

If I get APRStt working by then, then anyone with an HT can enter just a few TTone digits such as B2*n*D on their HT using Touch tones and APRStt will put out a position packet for them showing them at the location of hotel number "n", or restaurant number x.

APRStt is ideal for this kind of venue with known places. It is also perfect for special events and races and all manner of places where you want to let people move themselves around on the map with nothing but a TTone HT.. and no GPS. And it works indoors too.

In the example above "2" is the "table" of hotels, and "n" is the nth hotel in the list. APRStt will convert that to LAT/LONG.. such as

Table 0 will have the 10 buildings at HARA
table 1 will point to 10 areas in the flea market
Table 2 will be major motel areas
Table 3 will be major restaurants or locations of ad-hoc meetings
etc...

Hopefully these numbers can be derived from the brochure so that everyone will have access to the same information!

See http://www.ew.usna.edu/~bruninga/aprstt.html

de WB4APR@amsat.org, Bob

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949. [aprssig] what is it

From: John Becker <molou@big-river.net>
Date: Sun, 28 Apr 2002 13:20:56 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-76948-2002.04.28-13.55.25--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Can some one tell what all the stuff under my call at this URL is?
What ever it is its all around me.

John, W0JAB

http://www.findu.com/cgi-bin/near.cgi?call=W0JAB

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Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

---

950. [aprssig] aprsd

From: Neil Johnson <njohnsn@iowatelecom.net>
Date: Sun, 28 Apr 2002 13:09:47 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-76950-2002.04.28-13.57.06--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Can some one tell me the differences between the Source Forge version of
aprsd (2.1.4) and WA4DSY's (2.1.5).

Is there some reason the 2.1.5 version is not in the Source Forge CVS ?

I'm just a little confused as to where I should be going to stay up to date.

Thanks.

-Neil

--
Neil Johnson, N0SFH
http://www.iowatelecom.net/~njohnsn
http://www.njohnsn.com/
PGP key available on request.

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To unsubscribe send a blank email to leave-aprssig-842K@lists.tapr.org
Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

---

951. [aprssig] Re: what is it

From: Neil Johnson <njohnsn@iowatelecom.net>
Date: Sun, 28 Apr 2002 13:18:25 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-76955-2002.04.28-14.05.33--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

On Sunday 28 April 2002 01:20 pm, John Becker wrote:
> Can some one tell what all the stuff under my call at this URL is?
> What ever it is its all around me.
>
>
> John, W0JAB
>
> http://www.findu.com/cgi-bin/near.cgi?call=W0JAB
>

They are Severe Thunder Storm reports from the National Weather Service.

They will hang around untill Steve Archives them.

--
Neil Johnson, N0SFH
http://www.iowatelecom.net/~njohnsn
http://www.njohnsn.com/
PGP key available on request.

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---

952. [aprssig] NOSaprs 1.12.1 update now available ...

From: Maiko Langelaar <maiko@langelaar.net>
Date: Sun, 28 Apr 2002 16:49:44 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-76964-2002.04.28-17.15.33--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

```
Greeings,

Release 1.12.1 of TNOSaprs is now available if anyone wants to play.

Couple of new features ...

1) URL locator for any callsign displayed on the '14501' page.

2) Sysop can disable DTI tracking on the APRS heard table.

For update kits, documentation, and other stuff, visit this URL below :

   http://www.qsl.net/ve4klm/packet/aprss.html

Best regards,

Maiko Langelaar / VE4KLM

---
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Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org
```

953. [aprssig] Re: [Aprsd-devel] aprsd

From: Hamish Moffatt <hamish@cloud.net.au>
Date: Mon, 29 Apr 2002 08:32:39 +1000
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-76972-2002.04.28-18.07.19--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

```
On Sun, Apr 28, 2002 at 01:09:47PM -0500, Neil Johnson wrote:
>
> Can some one tell me the differences between the Source Forge version of
> aprsd (2.1.4) and WA4DSY's (2.1.5).
>
> Is there some reason the 2.1.5 version is not in the Source Forge CVS ?
>
> I'm just a little confused as to where I should be going to stay  up to date.

Actually, the sourceforge version is currently 2.2.3, not 2.1.4.

2.2.x is just the evolution from 2.1.4. I think most of the 2.1.5 changes
are in 2.2.x already too, maybe some are missing.

In summary: use the CVS code from sourceforge.

Hamish
--
Hamish Moffatt VK3SB <hamish@debian.org> <hamish@cloud.net.au>

---
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```

954. [aprssig] D700 Auto Power On?

From: "Darryl Smith" <Darryl@radio-active.net.au>
Date: Sun, 28 Apr 2002 09:01:14 +1000
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-76973-2002.04.28-18.41.59--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

```
G'Day

I know this is a dumb question... I have two D700's. One powers on
automatically if you left it powered on when it lost power. The other
does not. How do I make both of them auto-power on?

Many thanks

Darryl

---------
```

Darryl Smith, VK2TDS   POBox 169 Ingleburn NSW 2565 Australia
Mobile Number 0412 929 634 [+61 4 12 929 634 International]
Darryl@radio-active.net.au | www.radio-active.net.au

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Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

955. [aprssig] Re: [Aprsd-devel] aprsd

From: KC7ZRU - Tate <kc7zru@arrl.net>
Date: Sun, 28 Apr 2002 18:09:34 -0600
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: TAPR APRS Special Interest Group <aprssig@lists.tapr.org>
Message-ID: <LYR842-76979-2002.04.28-19.44.06--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

To add to what Hamish has already said,

The RELEASE version 2.1.4 is available on the sourceforge site as a tar ball. I think it is parallel to the 2.1.4.vk3sb.2 release - but I don't know for sure.

The 2.1.4 tarball on sourceforge does NOT include the latest updates, changes and features of the CVS version.

In most projects, the CVS version is considered the 'development' version - subject to the occasional unexpected feature (bug). The release version is considered more 'stable' and more 'bug free'. Normally it's recommended that "production" work not be done with a development version and only the 'brave at heart' use the devel version since it is more likely to contain bugs. Those are 'generic' ideas that may well not apply to the unique development track of aprsd to this point though!

Maybe it's time to take a snapshot of the CVS version, tarball it and 'release' an updated version on the aprsd page of sourceforge.

Just a SWAG, but along with a 'new release' announcement, I'd bet we'd see a flood of servers updated. Could well be a very good thing on many fronts.

73

Hamish Moffatt wrote:
>
> Actually, the sourceforge version is currently 2.2.3, not 2.1.4.
>
> 2.2.x is just the evolution from 2.1.4. I think most of the 2.1.5 changes
> are in 2.2.x already too, maybe some are missing.
>
> In summary: use the CVS code from sourceforge.
>
> Hamish

--
Casper, WY | CARC Repeater
DN62tt | 146.940
"The Dungeon" online at http://go.to/kc7zru
"RTFM" is NOT a 'four letter' word!

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Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

956. [aprssig] Re: IGATE NWS ?

From: KC7ZRU - Tate <kc7zru@arrl.net>
Date: Sun, 28 Apr 2002 18:23:03 -0600
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-76980-2002.04.28-19.57.36--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Too cool!

Thanks Guy - I must've missed that in the docs myself.

73

"Guy Story, KC5GOI" wrote:
>
> If you use aprsd 2.1.4.vk3sb2, the cvs distrobutions and up, you can wild card
> the last 3 characters. For example, RIW*. That is what I am doing in the
> DFW area.
>
> 73
>
> Guy Story, KC5GOI
>

```
--
              Casper, WY    |    CARC Repeater
                DN62tt      |      146.940
        "The Dungeon" online at http://go.to/kc7zru
            "RTFM" is NOT a 'four letter' word!
```

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Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

---

957. [aprssig] Re: Hyperterm to KPC3+

From: KC7ZRU - Tate <kc7zru@arrl.net>
Date: Sun, 28 Apr 2002 18:29:41 -0600
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-76981-2002.04.28-20.04.13--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Best advice I could start with is a friendly RTFM <g>

Find it at: http://www.kantronics.com/downloads.htm

They include a very good, detailed list of what to do from the hardware level upto and including the application level. As you'll find, it very well may be that your TNC there has been altered from the defaults - so there's no way for any of us to 'guesstimate' at what it's current settings are. You'll likely have to go through all of 'em systematically. You *may* get lucky, after verifying the serial cable (hardware level) is correct, with a 9600,8,N,1 - one of the more "common" parameter sets. As usual, YMMV

If after going all the permutations and if it *still* doesn't work - holler back with more specific details of what's not working, what you do see, etc.

Of course, you could always just perform a hard reset, blank everything back to factory default and start over. If so, you can find good suggested settings at the questionable web page:
http://www.dididahdahdidit.com/

Good luck!

73

"M. Schneider" wrote:
>
> Can anybody tell me the specific settings to use to connect to a KPC3+ using
> Hyperterm? I have a 3+ that has been programmed with the settings (by
> another ham) to act as a digi for my area. We are finally ready to put a
> digi on the air in the near future, but the location, antenna height, etc.,
> has changed since the tnc was programmed. I've tried to connect to the tnc
> using Hyperterm, but can't get any response. Obviously I'm doing something
> wrong, but I don't know what. I need a step-by-step procedure, settings,
> etc., for doing this.
>
> TIA & 73,
> Mark Schneider
> K5MAR
> Stillwater, OK ARC
> Asst. EC, Payne Cty, OK ARES

```
--
              Casper, WY    |    CARC Repeater
                DN62tt      |      146.940
        "The Dungeon" online at http://go.to/kc7zru
            "RTFM" is NOT a 'four letter' word!
```

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---

958. [aprssig] Re: Reminder for D700 owners (NWS watches/warnings/etc)

From: KC7ZRU - Tate <kc7zru@arrl.net>
Date: Sun, 28 Apr 2002 18:31:30 -0600
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-76982-2002.04.28-20.06.06--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

```
Mmm, I'm guessing then it would naturally follow that I-gate operators
should include SKY* as a 'gate2rf' call, eh?

"Mark A.Foley" wrote:
>
> D700 Owners....
...
> To receive the text messages, you will need to add SKY* to your message
> group code.

--
              Casper, WY    |    CARC Repeater
                DN62tt      |      146.940
        "The Dungeon" online at http://go.to/kc7zru
            "RTFM" is NOT a 'four letter' word!

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```

---

959. [aprssig] Re: "how to" I-Gate

From: KC7ZRU - Tate <kc7zru@arrl.net>
Date: Sun, 28 Apr 2002 18:35:53 -0600
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-76983-2002.04.28-20.10.43--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

```
JD,

That's almost like asking for 'how-to' instructions for operating a
radio. The answer is, it depends.

What are you going to use to I-gate with?

xastir
aprsd
UI-View
APRSA+
WinAPRS

And I'm sure there are several more I've left off that list.

Be a bit more specific on what you're going to use and you'll get much
more detailed info!

73

JD Delancy wrote:
>
> Where do I find "how to" instructions on putting up an I-Gate?
>
> ---
> You are currently subscribed to aprssig as: KC7ZRU@arrl.net
> To unsubscribe send a blank email to leave-aprssig-842K@lists.tapr.org
> Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

--
              Casper, WY    |    CARC Repeater
                DN62tt      |      146.940
        "The Dungeon" online at http://go.to/kc7zru
            "RTFM" is NOT a 'four letter' word!

---
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```

Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

960. [aprssig] Re: Reminder for D700 owners (NWS watches/warnings/etc)

From: "Mark A.Foley" <na4v@cox.net>
Date: Sun, 28 Apr 2002 20:45:22 -0400
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-76985-2002.04.28-20.20.13--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

```
Rgr...igate.ini entry for UI-View....
Unfortunatley WinAPRS igate operators cannot gate the SKY information
yet...been identified to the Sprouls for sometime....imagine they will
have it in their "dayton" release...<g>....
Mark, NA4V

> -----Original Message-----
> From: bounce-aprssig-27405@lists.tapr.org
> [mailto:bounce-aprssig-27405@lists.tapr.org] On Behalf Of
> KC7ZRU - Tate
> Sent: Sunday, April 28, 2002 20:32
> To: TAPR APRS Special Interest Group
> Subject: [aprssig] Re: Reminder for D700 owners (NWS
> watches/warnings/etc)
>
>
> Mmm, I'm guessing then it would naturally follow that I-gate
> operators should include SKY* as a 'gate2rf' call, eh?
>
> "Mark A.Foley" wrote:
> >
> > D700 Owners....
> ...
> > To receive the text messages, you will need to add SKY* to your
> > message group code.
>
> --
>                Casper, WY    |    CARC Repeater
>                  DN62tt      |      146.940
>          "The Dungeon" online at http://go.to/kc7zru
>              "RTFM" is NOT a 'four letter' word!
>
> ---
> You are currently subscribed to aprssig as: na4v@cox.net
> To unsubscribe send a blank email to
> leave-aprssig-842K@lists.tapr.org
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> wa1lou@tapr.org
>
>


---
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```

961. [aprssig] Re: D700 Auto Power On?

From: "Darryl Smith" <Darryl@radio-active.net.au>
Date: Sun, 28 Apr 2002 12:32:27 +1000
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-77003-2002.04.28-22.13.03--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

```
G'Day All...

Thanks to those that responded. I decided to reset the D700, and it now
powers up automatically. I do not know what setting makes it not power
up, but it is now operating correctly.

Darryl

---------
Darryl Smith, VK2TDS   POBox 169 Ingleburn NSW 2565 Australia
Mobile Number 0412 929 634 [+61 4 12 929 634 International]
Darryl@radio-active.net.au | www.radio-active.net.au



---
```

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962. [aprssig] Check this Out ! (An Open Source Map Server)

From: Neil Johnson <njohnsn@iowatelecom.net>
Date: Sun, 28 Apr 2002 22:24:19 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-77010-2002.04.28-23.11.29--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

http://mapserver.gis.umn.edu/

"MapServer is an OpenSource development environment for building spatially enabled Internet applications. The software builds upon other popular OpenSource or freeware systems like Shapelib, FreeType, Proj.4, libTIFF, Perl and others. MapServer will run where most commercial systems won't or can't, on Linux/Apache platforms. MapServer is known to compile on most UNIXes and will run under Windows NT/98/"

Something to keep in mind if MapBlast! goes away.

--
Neil Johnson, N0SFH
http://www.iowatelecom.net/~njohnsn
http://www.njohnsn.com/
PGP key available on request.

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963. [aprssig] Copy Copy

From: "Andrew Rich" <andrew.rich@bigpond.com>
Date: Mon, 29 Apr 2002 18:29:08 +1000
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-77033-2002.04.29-04.03.25--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

```
2002-Apr-29 18:20:02 VK2KGM>APU24P,PCSAT-1*,SGATE,WIDE,VK4TEC,I:
=3355.35S/15103.77E-Murray - vk2kgm@ihug.com.au {UIV32N}
2002-Apr-29 18:20:44 ZL2CIA>APU16N,PCSAT-1*,SGATE,VK4TEC,I:
=4113.04S/17442.95E.- ZL2CIA@amsat.org at Makara Beach {UIV23N}
2002-Apr-29 18:20:49 VK2XCI-1>APU16M,PCSAT-1*,SGATE,WIDE,VK4TEC,I:
>290700znjmcmillan@bigpond.com
2002-Apr-29 18:20:52 ZL2TE>APU16K,PCSAT-1*,SGATE,VK4TEC,I:
=3901.73S/17409.13Eysid zl2te in newplymouth nz {UIV23}
2002-Apr-29 18:21:29 ZL1WPK-1>APU24P,PCSAT-1*,SGATE,VK4TEC,I:
>290818zany one about?
2002-Apr-29 18:21:47 PCSAT-1>BEACON,SGATE,VK4TEC,I:
T#627,102,091,158,135,213,00111111,0110,1
2002-Apr-29 18:22:27 ZL1KJ>APU24O,PCSAT-1*,VK4TEC,I:
:ZL1WPK-1 :Hi Kiley{01
2002-Apr-29 18:22:31 ZL1WPK-1>APU24P,PCSAT-1*,SGATE,VK4TEC,I:
>290818zany one about?
2002-Apr-29 18:23:47 PCSAT-1>BEACON,SGATE,VK4TEC,I:
T#629,102,044,068,021,213,00111111,0100,1
2002-Apr-29 18:23:48 ZL1BRI>APU24P,PCSAT-1*,SGATE,VK4TEC,I:
=3746.29S/17515.53E-high kiley see you made it {UIV32}
2002-Apr-29 18:23:58 PCSAT-1>BEACON,SGATE,VK4TEC,I:
>282154z OPS-Normal 2m rate. Digi via W3ADO-1 is OK
2002-Apr-29 18:24:03 ZL1WPK-1>APU24P,PCSAT-1*,VK4TEC,I:
:ZL1KJ    :good{01
```

Andrew Rich
Callsign: VK4TEC
andrew.rich@bigpond.com
www.users.bigpond.com/andrew.rich/vk4tec.htm

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964. [aprssig] APRStt

From: Bob Bruninga <bruninga@usna.edu>
Date: Mon, 29 Apr 2002 09:01:49 -0400 (EDT)
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: TAPR APRS SIG <aprssig@lists.tapr.org>
Message-ID: <LYR842-77049-2002.04.29-08.36.29--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

On Sun, 28 Apr 2002, Ken Cechura wrote:

> i was following this idea for a while, but how does one ID with APRStt?

Here are the formats:

```
ID:   Ammmm.*ii*comment...D  - A,MYCALL,ICON,position comment
POS:  BLL.*LL.D              - B,LATITUDE,LONGITUDE (or shortcuts)
MSG:  Ctttt.*message...D     - C,TOCALL,message text
QRY:  Dxtttt.D               - D,query-type-X,CALLSIGN
```

See the whole spec at http://www.ew.usna.edu/~aprstt.html

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965. [aprssig] Re: Check this Out ! (An Open Source Map Server)

From: Steve Dimse <k4hg@tapr.org>
Date: Mon, 29 Apr 2002 09:39:32 -0400
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: TAPR APRS Special Interest Group <aprssig@lists.tapr.org>
Message-ID: <LYR842-77051-2002.04.29-09.13.59--lyris.aprssig#tapr.org@lists.tapr.org>
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On 4/28/02 10:24 PM, njohnsn@iowatelecom.net (Neil Johnson) wrote:

>http://mapserver.gis.umn.edu/
>
>"MapServer is an OpenSource development environment for building
>spatially enabled Internet applications. The software builds upon
>other popular OpenSource or freeware systems like Shapelib,
>FreeType, Proj.4, libTIFF, Perl and others. MapServer will run where
>most commercial systems won't or can't, on Linux/Apache platforms.
>MapServer is known to compile on most UNIXes and will run under
>Windows NT/98/"
>
>Something to keep in mind if MapBlast! goes away.
>

I've played with this as well as another open source mapping application, GPS. Both of these work nicely, but there are two major problems. First, while the programs are readily available, the data is not. There are some US sources of street level data which can be used, but the rest of the world has no such data available.

The second problem is processing power. With just coarse water body outlines, GPS takes 4 seconds to draw a map, add DLG data and it takes 17 seconds. This is on the present findU machine 1.26 GHz dual PIII, it just uses one processor, but it means that you would need more than two of these machines just to meet the needs of just the find page, and to produce DLG maps (which are far lower quality than the MapBlast maps). Who would want to wait 17 seconds for a map to load anyway?

I don't consider rolling my own maps with eith of these applications viable for findU. One or both of these may be good for generating some maps for local use, e.g. an interface with Xastir. Creating a data set is no easy task though.

Steve K4HG

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966. [aprssig] New low cost LCD display

From: "Sadowski, Allan" <allan.sadowski@ncshp.org>
Date: Mon, 29 Apr 2002 12:04:23 -0400
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>

Message-ID: <LYR842-77068-2002.04.29-11.38.28--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

http://www.fisher-price.com/us/products/product.asp?id=8259

Might be an interesting APRS display subsystem.... if you can stand the case...

Anyone got more technical info...

ALOHA
AH6LS

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---

967. [aprssig] Re: "how to" I-Gate

From: "Tim Cunningham" <tim_cunningham@mindspring.com>
Date: Mon, 29 Apr 2002 11:27:31 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-77072-2002.04.29-12.23.16--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

For APRS+SA users:

With APRS+SA, go to the SETUP -> LISTS and enter callsign for the station information you want to gate. In my case I use BMX* to get the messages sent to SKYBMX since the sending callsign always starts with BMXxxx for messages generated for the Birmingham, Alabama area. We also gate the OHX* messages from Nashville , TN since we are in between the two areas and have coverage extending in both directions.

This allows you to gate weather information for your specific area versus all SKYxxx messages.

73's,

Tim - N8DEU
Huntsville, Alabama

----- Original Message -----
From: "KC7ZRU - Tate" <kc7zru@arrl.net>
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Sent: Sunday, April 28, 2002 7:35 PM
Subject: [aprssig] Re: "how to" I-Gate

> JD,
>
> That's almost like asking for 'how-to' instructions for operating a
> radio. The answer is, it depends.
>
> What are you going to use to I-gate with?
>
> xastir
> aprsd
> UI-View
> APRSA+
> WinAPRS
>
> And I'm sure there are several more I've left off that list.
>
> Be a bit more specific on what you're going to use and you'll get much
> more detailed info!
>
> 73
>
> JD Delancy wrote:
> >
> > Where do I find "how to" instructions on putting up an I-Gate?
> >
> > ---

> > You are currently subscribed to aprssig as: KC7ZRU@arrl.net
> > To unsubscribe send a blank email to leave-aprssig-842K@lists.tapr.org
> > Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org
>
> --
>   Casper, WY | CARC Repeater
>   DN62tt | 146.940
>   "The Dungeon" online at http://go.to/kc7zru
>   "RTFM" is NOT a 'four letter' word!
>
> ---

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---

968. [aprssig] Re: Check this Out ! (An Open Source Map Server)

From: "Curt Mills, WE7U" <hacker@tc.fluke.com>
Date: Mon, 29 Apr 2002 10:17:13 -0700 (PDT)
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: TAPR APRS Special Interest Group <aprssig@lists.tapr.org>
Message-ID: <LYR842-77077-2002.04.29-12.51.48--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

On Mon, 29 Apr 2002, Steve Dimse wrote:

> On 4/28/02 10:24 PM, njohnsn@iowatelecom.net (Neil Johnson) wrote:
>
> >http://mapserver.gis.umn.edu/
> >
> >"MapServer is an OpenSource development environment for building
> >spatially enabled Internet applications. The software builds upon
> >other popular OpenSource or freeware systems like Shapelib,
> >FreeType, Proj.4, libTIFF, Perl and others. MapServer will run where
> >most commercial systems won't or can't, on Linux/Apache platforms.
> >MapServer is known to compile on most UNIXes and will run under
> >Windows NT/98/"

> while the programs are readily available, the data is
> not. There are some US sources of street level data which can be used,
> but the rest of the world has no such data available.

I've found many sources of Shapefile maps, but as you say maps for
the U.S. are more readily available. I'm using TIGER/Line 2000 map
data already pre-converted to Shapefile format that I found on the
'net. They're free and nicely detailed. I've also found country
boundary Shapefiles on the 'net.

> I don't consider rolling my own maps with eith of these applications
> viable for findU. One or both of these may be good for generating some
> maps for local use, e.g. an interface with Xastir. Creating a data set
> is no easy task though.

No need to generate maps for local use with Xastir via Mapserver!
Well, not unless they're in DLG format which Xastir can't handle
yet. Xastir can directly use most of the libraries mentioned above
(and others) to generate maps directly from the base data. It can
also use raster images, but why go there when vector data is so much
more useful?

Our Shapefile stuff, when used on Shapefiles that were generated from
TIGER/Line 2000 base data, is similar to what the TigerMap server
generates (latest CVS version of Xastir, new stuff added saturday).
We now have nice street-level maps for Xastir while mobile.

Speed doesn't seem to be a problem. It's in the neighborhood of 4
seconds to generate a map view from detailed county shapefiles on a
PII-300 machine. It'll perform much better on any recent machine.

A big thanks to the people who wrote the above libraries and other
libraries that Xastir uses. Without those libraries we'd still be
limited to a very small number of map formats.

Wish to try the Shapefile support in Xastir? Be sure to use the
latest CVS version of Xastir. There have been a lot of code changes

lately, but then again, when can I _not_ say that?

```
Curt Mills, WE7U                         hacker.NO_*SPAM@tc.fluke.com
Senior Methods Engineer/SysAdmin
"Lotto:    A tax on people who are bad at math." -- unknown
"Windows:  Microsoft's tax on computer illiterates." -- WE7U
```

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Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

969. [aprssig] FM Satellites for the week of 29 April 2002

From: Bob Bruninga <bruninga@usna.edu>
Date: Mon, 29 Apr 2002 13:18:44 -0400 (EDT)
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: amsat-bb@AMSAT.Org
Message-ID: <LYR842-77079-2002.04.29-12.53.23--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

```
Mobile/FM Satellite Pass Periods for the week of 04-29-2002
ISS/NO44/NO45 passes during the morning and afternoons in N. Hemisphere

Sats 06 07 08 09 10 11 12 13 14 15 16 17 18 19 20 21 22 23 00 01 02 03
---- -- -- -- -- -- -- -- -- -- -- -- -- -- -- -- -- -- -- -- -- -- --
AO27    **********                       **********
UO14       **********                      ***********
SO41    *************  *                                *************
ISS   ***************************
UO22 ******                       **********
NO44 *******             *************
NO45 ********           ** ************                              *
Note:  Times are LOCAL SUN TIME for MID Northern Latitudes.

For the Southern Hemisphere, ISS/NO44/NO45 in evenings and night:

Sats 06 07 08 09 10 11 12 13 14 15 16 17 18 19 20 21 22 23 00 01 02 03
---- -- -- -- -- -- -- -- -- -- -- -- -- -- -- -- -- -- -- -- -- -- --
AO27 **********                             ***********
UO14   ***********                             **********
SO41               *************             ** **********
ISS                                 *  ****************************** *
UO22 ***                             **********
NO44                              ***************           **********
NO45                               ************ *             ********
Note:  Times are LOCAL SUN TIME for MID Southern Latitudes.
```

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970. [aprssig] Re: New low cost LCD display

From: "Jason Rausch" <ke4nyv@msn.com>
Date: Mon, 29 Apr 2002 13:28:32
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-77093-2002.04.29-14.03.05--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

You got me interested, I emailed Fisher-Price to find out about any development tools to write programs for it. hah. We'll see!
73's
Jason KE4NYV
www.ke4nyv.com

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Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

971. [aprssig] RE: New low cost LCD display

From: "Sadowski, Allan" <allan.sadowski@ncshp.org>
Date: Mon, 29 Apr 2002 14:40:17 -0400
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>

Message-ID: <LYR842-77095-2002.04.29-14.14.22--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

```
At "Wired" I see the following

Fisher-Price will be introducing a new version, the Pixter Plus, in August.
The new model will have more memory, allowing up to 20 pictures to be
stored, a silvery plastic case and a flexible plug-in screen light for
playing in the dark.

> From: Sadowski, Allan [SMTP:allan.sadowski@NCSHP.ORG]
> http://www.fisher-price.com/us/products/product.asp?id=8259
>
> Might be an interesting APRS display subsystem.... if you can stand the
> case...
>

---
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Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org
```

972. [aprssig] PCSAT questions

From: Craig Severson <craig_severson@yahoo.com>
Date: Mon, 29 Apr 2002 13:27:24 -0700 (PDT)
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-77110-2002.04.29-16.01.57--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

```
Two questions on PCSAT:

1) What *is* the uplink/downlink frequency? Some doc
that I've found states that it's 145.827 MHz, other
doc specifies it at 145.825 MHz. Which one is
accurate?

2) I'm planning a run through upper Ontario over May
25/26 and will need to use PCSAT or ISS to track me.
How can I find out what times of day it will be
"visible" to me?

Thanks in advance for any info....



=====
Craig Severson, W8CS
Granville, OH
1996 ST100 restored, 28k
1994 ST1100, in restoration
STOC 3075, iPCRC 1666, IBA 9294, AMA http://www.geocities.com/craig_severson/st1100/rear96page.jpg

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Yahoo! Health - your guide to health and wellness
http://health.yahoo.com

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```

973. [aprssig] Re: New low cost LCD display

From: Ryan Tourge <ryrto@yahoo.com>
Date: Mon, 29 Apr 2002 14:30:13 -0700 (PDT)
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-77112-2002.04.29-17.04.45--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

```
Looks like a Windows XP GUI!

--- "Sadowski, Allan" <allan.sadowski@ncshp.org>
wrote:
>
http://www.fisher-price.com/us/products/product.asp?id=8259
>
> Might be an interesting APRS display subsystem....
> if you can stand the
> case...
```

```
>
> Anyone got more technical info...
>
> ALOHA
> AH6LS
>
> ---
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974. [aprssig] Macintosh and Kenwood D700

From: "Josh Gould" <kc8eqa@columbus.rr.com>
Date: Mon, 29 Apr 2002 17:45:54 -0400
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-77120-2002.04.29-17.21.24--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

```
Has any one connected these to pieces of equipment.  The mac is an older
model LC with 2 8 pin mini din serials.  To display data on the mac what
do I have to do?

73's
Josh
KC8EQA
EN80KA





---
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```

975. [aprssig] Re: PCSAT questions

From: Bob Bruninga <bruninga@usna.edu>
Date: Mon, 29 Apr 2002 18:50:35 -0400 (EDT)
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: TAPR APRS Special Interest Group <aprssig@lists.tapr.org>
Message-ID: <LYR842-77136-2002.04.29-18.25.12--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

```
On Mon, 29 Apr 2002, Craig Severson wrote:

> 1) What *is* the uplink/downlink frequency?

Its about 145.828 so works best on .830 first half of pass and then
145.827 later in the pass.

> 2) I'm planning a run through upper Ontario over May
> 25/26 and will need to use PCSAT or ISS to track me.
> How can I find out what times of day it will be
> "visible" to me?

See the FM SATS posting I just made.  But I fear it will be during dark
hours probably by then, or earyl morning...


---
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```

976. [aprssig] Vicinity tracking without GPS

From: Bob Bruninga <bruninga@usna.edu>
Date: Mon, 29 Apr 2002 19:12:07 -0400 (EDT)
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-77138-2002.04.29-18.46.44--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

```
Here is an example of the value of vicinity tracking.

My wife headed for grammas house and I turned on the D700 in her car, but
apparently forgot to enable the GPS.  So although her car reports in our
driveway, I have been able to follow her across two states just by
looking at the 1st digi in the path on FINDU.

Now that the first digi in her path is the local digi in Gramma's town, I
know she has probably arrived there...

The path she is using is via RELAY,WIDE,TRACE

For just general tracking for long distance travels, this technique
requires no GPS and with just a timer powered TNC, you could make a
battery  powered device that would send out a packet once every 10 minutes
that would fit in a cigarette pack and last a month on AA cells... and
track it anywhere in the "aprs" world...

de WB4APR@amsat.org, Bob


---
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```

977. [aprssig] Re: Hyperterm to KPC3+ SUCCESS!

From: "M. Schneider" <msokla@provalue.net>
Date: Mon, 29 Apr 2002 19:40:47 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-77152-2002.04.29-20.13.07--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

```
Thanks to all those that replied on and off the list with suggestions.  For
future reference, the key parameters are:  Direct Connect to Com (X); 4800;
8-N-1; Xon/Xoff.  The last was my problem, it seems that HyperTerminal
defaults to Hardware flow control.  Once I get the correct lat/long and PHG
settings programmed in, there will be a new digi in north-central Oklahoma,
STLWTR, or K5SRC-1.  Hopefully this will be in the next two to four weeks.
It will have a 10 watt Motorola to a 6db gain antenna at 310', which should
fill in the current gaping hole in north-central Oklahoma, giving APRS
coverage almost all the way up I-35 to the Kansas border.

Thanks again to all & 73,
Mark Schneider  K5MAR
Stillwater (OK) Amateur Radio Club - K5SRC
AEC, Payne Cty (OK) ARES

----- Original Message -----
From: "M. Schneider" <msokla@provalue.net>
To: "APRS SIG" <aprssig@lists.tapr.org>
Sent: Saturday, April 27, 2002 10:58 PM
Subject: Hyperterm to KPC3+


> Can anybody tell me the specific settings to use to connect to a KPC3+
using
> Hyperterm?  I have a 3+ that has been programmed with the settings (by
> another ham) to act as a digi for my area.  We are finally ready to put a
> digi on the air in the near future, but the location, antenna height,
etc.,
> has changed since the tnc was programmed.  I've tried to connect to the
tnc
> using Hyperterm, but can't get any response.  Obviously I'm doing
something
> wrong, but I don't know what.  I need a step-by-step procedure, settings,
> etc., for doing this.
>
> TIA & 73,
> Mark Schneider
> K5MAR
```

> Stillwater, OK ARC
> Asst. EC, Payne Cty, OK ARES
>
>

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---

978. [aprssig] Re: Check this Out ! (An Open Source Map Server)

From: Neil Johnson <njohnsn@iowatelecom.net>
Date: Mon, 29 Apr 2002 21:59:43 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: TAPR APRS Special Interest Group <aprssig@lists.tapr.org>
Message-ID: <LYR842-77175-2002.04.29-22.46.56--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

On Monday 29 April 2002 12:17 pm, Curt Mills, WE7U wrote:
> > >"MapServer is an OpenSource development environment for building
> I've found many sources of Shapefile maps, but as you say maps for
> the U.S. are more readily available. I'm using TIGER/Line 2000 map
> data already pre-converted to Shapefile format that I found on the
> 'net. They're free and nicely detailed. I've also found country
> boundary Shapefiles on the 'net.
>
If you talking about the MapShots data. It was directly converted from Tiger
Line 1997 files to ShapeFile format (2000 files coming). However, MapShot's
primary business is Agricultural GIS, so the data sets I looked at where fine
in the country, but Metropolitan (Try Cedar Rapids, IA in Linn County) areas
where empty of street data.

> Our Shapefile stuff, when used on Shapefiles that were generated from
> TIGER/Line 2000 base data, is similar to what the TigerMap server
> generates (latest CVS version of Xastir, new stuff added saturday).
> We now have nice street-level maps for Xastir while mobile.
>
I tried and it is fantastic ! Some of the best looking maps outside of APRS+
and UIpoint.

The county shapfiles for mapping NWS Watches and Alerts is cool too.

>
> Wish to try the Shapefile support in Xastir? Be sure to use the
> latest CVS version of Xastir. There have been a lot of code changes
> lately, but then again, when can I _not_ say that?
>
I checked it out on Sunday, Keep up the good work !

--
Neil Johnson, N0SFH
http://www.iowatelecom.net/~njohnsn
http://www.njohnsn.com/
PGP key available on request.

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---

979. [aprssig] Hurricane Season

From: "Robert Baldwin" <rmbaldwin@comcast.net>
Date: Mon, 29 Apr 2002 22:20:39
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-77178-2002.04.29-22.55.10--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Just a follow up to last year's request. Has any progress been made in the
shelter component or spec's of the APRS working group. That is, will the
next release of winaprs build in shelter reporting?

Looks to me the shelter component can only become more important as we work
through post 9/11 issues.

Bob
KE4KUR

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980. [aprssig] Re: Macintosh and Kenwood D700

From: David L Norris <kg9ae@webaugur.com>
Date: 30 Apr 2002 00:09:29 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: "TAPR APRS Special Interest Group <aprssig@lists.tapr.org>
<LYR26593-77120-2002.04.29-17.21.24--kg9ae#webaugur.com@lists.tapr.org>"
<LYR26593-77120-2002.04.29-17.21.24--kg9ae#webaugur.com@lists.tapr.org>
Message-ID: <LYR842-77198-2002.04.30-00.44.12--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

On Mon, 2002-04-29 at 16:45, Josh Gould wrote:
> Has any one connected these to pieces of equipment.

Well, I haven't. But, I have connected various serial devices to my
Macintosh machines.

> The mac is an older model LC with 2 8 pin mini din serials.

Is the D700 RS-232? I can't seem to find any serial port info nor a
pinout in the D700 manual. Anyway, most of the Mac serial ports can
emulate RS-232. And, I believe the LC supports it.

```
Mac 8-pin (RS-232 mode)
---------
 1 - RTS
 2 - CTS
 3 - TXD
 5 - RXD
 4 - GND
 8 - GND
```

Connecting pin 8 to pin 4 is what triggers it to emulate RS-232. You
may not need RTS and CTS.

> To display data on the mac what do I have to do?

As far as software, I haven't the foggiest clue what is available for a
68k. Hopefully someone else can shed some light on that.

--
 David Norris, ARS: KG9AE
  KG9AE's Web - http://www.webaugur.com/dave/kg9ae/
  ICQ - 412039

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981. [aprssig] Re: Macintosh and Kenwood D700

From: WA8LMF2@aol.com
Date: Tue, 30 Apr 2002 07:28:11 EDT
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-77207-2002.04.30-07.03.31--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

In a message dated 4/29/02 10:11:27 PM Pacific Daylight Time,
kg9ae@webaugur.com writes:

> Is the D700 RS-232?
YES!!!

> I can't seem to find any serial port info nor a
> pinout in the D700 manual.

Huh?   RTFM   Page 2 of the second of of the two manuals that come with the
D700, "Specialized Communcations", manual shows the pinout in detail. It's
standard straight-thru pin-to-pin to a standard DB9 PC serial port.   The
only problem is Kenwood's idiotic use of the wrong SEX connector on the
radio's DB9. It's male instead of female so you can't use a standard
male-to-female DB9 "extension cord" cable AKA "AT Modem" cable. [
Traditionally, TNC serial connectors have been pinned-out like modems.]

The manual is downloadable in Acrobat PDF format at:

```
   http://216.133.82.101/Amateur/Current%20Instruction%20Manuals/




Stephen H. Smith                   wa8lmf @ aol.com
Home Page:
http://members.aol.com/wa8lmf
Ham Radio/Mobile SSTV page:     http://members.aol.com/wa8lmf/ham
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```

982. [aprssig] Re: Check this Out ! (An Open Source Map Server)

From: Dick Reichenbach <dreichen@columbus.rr.com>
Date: Tue, 30 Apr 2002 08:47:57 -0400
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-77212-2002.04.30-08.21.33--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

```
On the subject of mapping, I came across a Windows program that seems to
successfully decode the Garmin Metroguides and R & R maps right off the
CD's.  At least I think it does, it's in German and some of the instructions
are beyond me.  It appears the program is more geared towards generating
waypoints from the data, but that didn't make any sence to me.

Has anyone else ever used this program to get usable maps from the Garmin
software.  I don't know if it would ever be usable for decoding on the fly,
it took a solid 5 minutes on my Athlon 1.2 to decode a standard Garmin 8Mb
block of data.

"Curt Mills, WE7U" wrote:

> No need to generate maps for local use with Xastir via Mapserver!
> Well, not unless they're in DLG format which Xastir can't handle
> yet.  Xastir can directly use most of the libraries mentioned above
> (and others) to generate maps directly from the base data.  It can
> also use raster images, but why go there when vector data is so much
> more useful?
>
> Our Shapefile stuff, when used on Shapefiles that were generated from
> TIGER/Line 2000 base data, is similar to what the TigerMap server
> generates (latest CVS version of Xastir, new stuff added saturday).
> We now have nice street-level maps for Xastir while mobile.
>
> Speed doesn't seem to be a problem.  It's in the neighborhood of 4
> seconds to generate a map view from detailed county shapefiles on a
> PII-300 machine.  It'll perform much better on any recent machine.
>
> A big thanks to the people who wrote the above libraries and other
> libraries that Xastir uses.  Without those libraries we'd still be
> limited to a very small number of map formats.
>
> Wish to try the Shapefile support in Xastir?  Be sure to use the
> latest CVS version of Xastir.  There have been a lot of code changes
> lately, but then again, when can I _not_ say that?
>
> Curt Mills, WE7U                         hacker.NO_*SPAM@tc.fluke.com
> Senior Methods Engineer/SysAdmin
> "Lotto:    A tax on people who are bad at math." -- unknown
> "Windows:  Microsoft's tax on computer illiterates." -- WE7U
>
> ---
> You are currently subscribed to aprssig as: dreichen@columbus.rr.com
> To unsubscribe send a blank email to leave-aprssig-842K@lists.tapr.org
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> Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

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983. [aprssig] PCSAT and Nova

From: "Eric Christensen, KF4OTN" <kf4otn@coxnc.rr.com>
Date: Tue, 30 Apr 2002 11:02:36 -0400
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-77235-2002.04.30-10.37.15--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Curious if anyone has had similar problems with Nova. I can't seem
to get Nova (satellite tracking program) to track PCSAT unless PCSAT
has been designated as NO-44. Anyone have any information on this?

73s,
Eric KF4OTN

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984. [aprssig] 9600 on 2 meters

From: "Eric Christensen, KF4OTN" <kf4otn@coxnc.rr.com>
Date: Tue, 30 Apr 2002 11:34:43 -0400
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-77238-2002.04.30-11.09.25--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

OK... Just one last question for the group...

Is anyone running 9600 baud on 2 meters for APRS? If so, what
frequency are you using and how is your system working out?

73s,
Eric KF4OTN

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985. [aprssig] Madison Wisconsin

From: Bob Bruninga <bruninga@usna.edu>
Date: Tue, 30 Apr 2002 11:40:54 -0400 (EDT)
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: TAPR APRS SIG <aprssig@lists.tapr.org>
Message-ID: <LYR842-77239-2002.04.30-11.15.40--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Is there anyone in or near Madison Wisconsin that wants to participate in
an APRS demo next week?

Bob

Someone asked me:

> Is there anyone in the Madison, Wisconsin area that comes to mind as an
> APRS expert or knowledgeable whom we could either bring in to show off
> equipment and hit a repeater or perhaps do a 'field trip' to his QTH to
> see the system in action?

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986. [aprssig] Re: 9600 on 2 meters

From: "Jim Lawyer" <aa5qx@attbi.com>
Date: Tue, 30 Apr 2002 10:48:20 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-77240-2002.04.30-11.22.36--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

```
I heard Tulsa, OK was running 9600 at one time. Don't have a contact.

Jim, aa5qx
----- Original Message -----
From: "Eric Christensen, KF4OTN" <kf4otn@coxnc.rr.com>
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Sent: Tuesday, April 30, 2002 10:34 AM
Subject: [aprssig] 9600 on 2 meters


> OK...  Just one last question for the group...
>
> Is anyone running 9600 baud on 2 meters for APRS?  If so, what
> frequency are you using and how is your system working out?
>
> 73s,
> Eric KF4OTN
>
>
>
> ---
> You are currently subscribed to aprssig as: aa5qx@attbi.com
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987. [aprssig] Re: 9600 on 2 meters

From: "Gregg G. Wonderly" <gregg@skymaster.c2-tech.com>
Date: Tue, 30 Apr 2002 10:55:23 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: TAPR APRS Special Interest Group <aprssig@lists.tapr.org>
Message-ID: <LYR842-77243-2002.04.30-11.30.05--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

```
>I heard Tulsa, OK was running 9600 at one time. Don't have a contact.

To the best of my knowledge there is no active 9600 baud system here in the
area of Tulsa OK.

-----
gregg@c2-tech.com  (C2 Technologies Inc)



---
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988. [aprssig] 9600 on 2 mtr

From: "Jim Lawyer" <aa5qx@attbi.com>
Date: Tue, 30 Apr 2002 11:21:40 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-77244-2002.04.30-11.56.01--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

```
Mea Culpa, Tulsa is using 9600 baud for EMWIN on 142.950 in Tulsa according
to www.srh.noaa.gov/tulsa/wcm/emwin.html . A contact is listed on the
website.

Jim, aa5qx



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```

989. [aprssig] Anyone on th elist uses BRIGHT.NET???

From: "Bob K8YS & Janet N8LBR" <jbcraft@adelphia.net>
Date: Tue, 30 Apr 2002 12:38:14 -0400
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-77246-2002.04.30-12.13.05--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

I just got feedback from a network admin about a virus running loose....
they reported to me that the virus is comeing from someone at bright.net.

Since I am onl only one list at this account, it must be comeing from
someone on this list.

73,
Bob - K8YS

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990. [aprssig] Re: 9600 on 2 mtr

From: "Gregg G. Wonderly" <gregg@skymaster.c2-tech.com>
Date: Tue, 30 Apr 2002 11:47:42 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: TAPR APRS Special Interest Group <aprssig@lists.tapr.org>
Message-ID: <LYR842-77247-2002.04.30-12.22.21--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

>Mea Culpa, Tulsa is using 9600 baud for EMWIN on 142.950 in Tulsa according
>to www.srh.noaa.gov/tulsa/wcm/emwin.html . A contact is listed on the
>website.

He asked "running 9600 baud on 2 meters for APRS". I was not aware of the
EMWIN site.

-----
gregg@c2-tech.com (C2 Technologies Inc)

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Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

991. [aprssig] Re: Anyone on th elist uses BRIGHT.NET???

From: Jeff Brenton KA9VNV <jeffb@csrye.org>
Date: Tue, 30 Apr 2002 12:23:59 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: TAPR APRS Special Interest Group <aprssig@lists.tapr.org>
Message-ID: <LYR842-77251-2002.04.30-12.58.51--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

BKJN> I just got feedback from a network admin about a virus running loose....
BKJN> they reported to me that the virus is comeing from someone at bright.net.

BKJN> Since I am onl only one list at this account, it must be comeing from
BKJN> someone on this list.

The worm in question, KLEZ.G (and varients), invades systems with
un-patched Internet Explorer and Outlook or Outlook Express, then goes
through all your message files and such, looking for email addresses.
It then choses one of those addresses, and forges its outbound
infection messages as being FROM that address.

Someone sent me a warning message, thinking that I was the source of a
message sent to him, but it turned out it was a Canadian subscriber to
one of these lists. Only an examination of the header would have shown
this...

Our server had rejected two attempts by the infected person's computer
to send messages to me, because it also tripped several of our spam
filters!

--
Best regards,

 Jeff   mailto:jeffb@csrye.org

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To unsubscribe send a blank email to leave-aprssig-842K@lists.tapr.org
Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

992. [aprssig] WinAPRS map availability?

From: "Marc Cohen" <n6oso@aol.com>
Date: Tue, 30 Apr 2002 12:53:21
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-77253-2002.04.30-13.27.54--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Greetings,

What's the latest info regarding WinAPRS and compatible map programs.

Are there current detailed maps available, commercial or otherwise, that are compatible with the latest version of WinAPRS? Last I was using an old version of Chicago Maps software.

Thx!

-- Marc Cohen
N6OSO

N6OSO@aol.com

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Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

993. [aprssig] ARISS and PCsat operations.

From: Bob Bruninga <bruninga@usna.edu>
Date: Tue, 30 Apr 2002 14:16:09 -0400 (EDT)
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-77259-2002.04.30-13.50.47--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

I'd like users of ARISS and PCsat to consider changing their paths slightly for those of us doing demo's indoors (2 May at Natl Air&Space Museum) Here are some frequently used paths:

```
UNPROTO CQ   VIA RS0ISS    for ISS
UNPROTO APRS VIA W3ADO-1   for PCsat
UNPROTO CQ   VIA ARISS     for either/both
```

I'd suggest adding "SGATE" on the end:

```
UNPROTO CQ   VIA RS0ISS, SGATE   for ISS
UNPROTO APRS VIA W3ADO-1,SGATE   for PCsat
UNPROTO CQ   VIA ARISS,  SGATE   for either/both
```

With the extra SGATE on the end, then someone giving a demo deep in the bowels of a building could simply switch his mobile to be a LOW power digipeater with the alias of SGATE. Then all packets coming down from ISS or PCsat would be digipeated by the mobile and receivable inside on an HT...

PCsat already includes SGATE in all of its packets, and the ISS sysops are considering it for the ISS packets. But the only way users packets will get digipeated into the building is if the users themselves include the extra SGATE on the end of their paths.

The extra SGATE does add an extra 7 bytes of overhead to every packet, but the potential benefit is quite great. Of course, people giving demos must make certain that they set their SGATE digi to low power so it does not interfere with anyone else nearby.

de WB4APR, Bob

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Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

---

994. [aprssig] Re: Anyone on th elist uses BRIGHT.NET???

From: Bob Nielsen <nielsen@oz.net>
Date: Tue, 30 Apr 2002 12:04:47 -0700
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-77260-2002.04.30-14.39.33--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

I just receive one of these worms sent to softlib@tapr.org (which is one of my numerous aliases). It had a spoofed "From" line with Brent Hildebrand's address, so it probably originated with someone with aprssig email in one of their folders. My Linux mail reader merely displayed it as hex data, no harm done.

The headers indicate it was sent from the following:

Name: sw-dsl-89-210.whidbey.net
Address: 209.166.89.210

If there are any whidbey.net DSL users on the list, beware! (plus run a virus scanner and patch your IE/OE).

cheers,

Bob N7XY

On Tue, Apr 30, 2002 at 12:23:59PM -0500, Jeff Brenton KA9VNV wrote:
> BKJN> I just got feedback from a network admin about a virus running loose....
> BKJN> they reported to me that the virus is comeing from someone at bright.net.
>
> BKJN> Since I am onl only one list at this account, it must be comeing from
> BKJN> someone on this list.
>
> The worm in question, KLEZ.G (and varients), invades systems with
> un-patched Internet Explorer and Outlook or Outlook Express, then goes
> through all your message files and such, looking for email addresses.
> It then choses one of those addresses, and forges its outbound
> infection messages as being FROM that address.
>
> Someone sent me a warning message, thinking that I was the source of a
> message sent to him, but it turned out it was a Canadian subscriber to
> one of these lists. Only an examination of the header would have shown
> this...
>
> Our server had rejected two attempts by the infected person's computer
> to send messages to me, because it also tripped several of our spam
> filters!
>

---
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---

995. [aprssig] Received on Local Packet BBS

From: Matthew Stennett <WA4TKG@attbi.com>
Date: Tue, 30 Apr 2002 21:05:26 -0400
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-77299-2002.04.30-20.40.11--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

This explains a lot; No Wonder there's APRS on 14.105.5

Path: !WB0TAX!HA3PG!HA8FY!ON0CK!GB7SXE!
From: G3OJZ@GB7SXE.#38.GBR.EU
To : APRS@WW

F5RRS wrote:-
> 30 meters is a very good choice for world opening during days and
> nights but what about this frequency (10151 KHz) ? IARU Band plan
allow
> 10100-10150 so 10151 is over.
> Is this frequency legal in Europe ?
> Do we have a derogation to operate here ?
> What about an APRS Packet Digipeater on 10151 KHz ?
> 73's Damien

```
ENTER = continue, A = Abort, N = Next, C = cancel paging -->
Not sure about rest of Europe but according to U.K.
Band Plan Packet is not allowed on the 10 Mhz band at all.
So here in the UK we are using 14.105Mhz 300bd
lsb TNC or (14.105.51 AGW the same) because of this ruling.
Have a look at the HF page I wrote for MB7USK for more.
http://welcome.to/mb7usk

73 de Brian,  G3OJZ @ GB7SXE.#38.GBR.EU  (Nr.Folkestone Kent)



---
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Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org
```

996. [aprssig] Re: Received on Local Packet BBS

From: Bill Vodall - WA7NWP <wa7nwp@yahoo.com>
Date: Tue, 30 Apr 2002 18:11:57 -0700
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-77301-2002.04.30-20.46.54--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

```
>
>Path: !WB0TAX!HA3PG!HA8FY!ON0CK!GB7SXE!
>From: G3OJZ@GB7SXE.#38.GBR.EU
>To  : APRS@WW

Wow!   There are still Packet BBS's?

<grin>


Bill - WA7NWP



---
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Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org
```

997. [aprssig] REF: Received on Local Packet BBS

From: Matthew Stennett <WA4TKG@attbi.com>
Date: Tue, 30 Apr 2002 21:28:02 -0400
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: TAPR APRS Special Interest Group <aprssig@lists.tapr.org>
Message-ID: <LYR842-77302-2002.04.30-21.02.40--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

```
Cute; REAL Cute.

Bill Vodall - WA7NWP wrote:

> >
> >Path: !WB0TAX!HA3PG!HA8FY!ON0CK!GB7SXE!
> >From: G3OJZ@GB7SXE.#38.GBR.EU
> >To  : APRS@WW
>
> Wow!   There are still Packet BBS's?
>
> <grin>
>
> Bill - WA7NWP
>
> -


---
You are currently subscribed to aprssig as: lyris.aprssig@tapr.org
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Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org
```

998. [aprssig] Re: Received on Local Packet BBS

From: WA8LMF2@aol.com
Date: Tue, 30 Apr 2002 21:31:57 EDT
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>

Message-ID: <LYR842-77303-2002.04.30-21.06.50--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

In a message dated 4/30/2002 6:14:03 PM Pacific Daylight Time,
wa7nwp@yahoo.com writes:

```
> >
>  >Path: !WB0TAX!HA3PG!HA8FY!ON0CK!GB7SXE!
>  >From: G3OJZ@GB7SXE.#38.GBR.EU
>  >To  : APRS@WW
>
>  Wow!   There are still Packet BBS's?
>
>  <grin>
>
>
>  Bill - WA7NWP
>
```

Traditional connected packet seems to be much more alive in Europe than it is here in the US...

```
Stephen H. Smith                    wa8lmf @ aol.com
Home Page:                          http://members.aol.com/wa8lmf
Ham Radio/Mobile SSTV page:         http://members.aol.com/wa8lmf/ham
APRS Stuff                          http://members.aol.com/wa8lmf/aprs
---------------------------------------------------------------------
|    Radio Communications Systems       Personal Computers
|                Consulting and Systems Integration
|    GPS Custom Mapping    &     Radio Coverage Surveys
|    File Conversions       MS-Windows Setups       VISCII Fonts
---------------------------------------------------------------------
```

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June 2002

Original source file: aprssig.0206
Source: http://ftp.tapr.org/tapr_history/SIG_Archives/aprssig/mail_archive/aprssig.0206

1. [aprssig] Re: aprssig digest: May 31, 2002

```
From: "Darrell Sutton" <dsutton@visi.net>
Date: Sat, 1 Jun 2002 01:00:50 -0400
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-82392-2002.06.01-00.36.17--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain
```

```
Winaprs260 in Win98 se f7 and R also do not work here. It does ack a message
sent to it.
Darrell kf4hjw


---
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Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org
```

---

2. [aprssig] Re: WINAPRS 2.60 Bugs???

```
From: Robbie Robertson <mwrobertson@attbi.com>
Date: Sat, 01 Jun 2002 00:11:36 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: TAPR APRS Special Interest Group <aprssig@lists.tapr.org>
Message-ID: <LYR842-82393-2002.06.01-00.47.22--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain
```

```
The "Half Size" can be dealt with by minimizing the half
sized screen so the X shows, then kill the window and open a
new one!

Now we also have to deal with using Precision Mapping on
more than one computer with WinAPRS!!

Robbie

Fred Moses wrote:
>
> Running WIN2k Pro.. the F7 key does not work.. nor does it work when i goto
> the top and select new message from the pull down menu.. also the PM map is
> only half as big as my window.. i can't make it any bigger..
>
> Fred
> ----- Original Message -----
> From: "Spider" <spider@rivcom.net>
> To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
> Sent: Friday, May 31, 2002 23:59
> Subject: [aprssig] WINAPRS 2.60 Bugs???
>
> Running XP, The F7 key appears to not be working in the new 2.60.  The F2
> key IS working.  So can not send messages.
> Also tried to reply ( 'r') to a message and it did not work.
> Would someone please send a message to WA6OFT on the IS so I can test the
> reply better?
>
> The Pmaps is working somewhat.  It has some bugs but more study is needed.
> Sure is a nice feature to zoom right in on a mobile station!  Why, I could
> see one guy picking his nose!!!  :)  And that Blonde!  WOW!
>
> Jim, WA6OFT
>
> ---
> You are currently subscribed to aprssig as: kc8ody@faara.org
> To unsubscribe send a blank email to leave-aprssig-842K@lists.tapr.org
> Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org
>
> ---
> You are currently subscribed to aprssig as: mwrobertson@attbi.com
> To unsubscribe send a blank email to leave-aprssig-842K@lists.tapr.org
> Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

--

- Robbie Robertson -
...-.- wa9inf ...-.-
```

```
---
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To unsubscribe send a blank email to leave-aprssig-842K@lists.tapr.org
Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org
```

3. [aprssig] Re: WINAPRS 2.60 Bugs???

```
From: "Spider" <spider@rivcom.net>
Date: Fri, 31 May 2002 22:26:34 -0700
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-82400-2002.06.01-01.02.45--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain
```

```
That does not work here.
Jim
----- Original Message -----
From: "Robbie Robertson" <mwrobertson@attbi.com>
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Sent: Friday, May 31, 2002 10:11 PM
Subject: [aprssig] Re: WINAPRS 2.60 Bugs???


> The "Half Size" can be dealt with by minimizing the half
> sized screen so the X shows, then kill the window and open a
> new one!
>
> Now we also have to deal with using Precision Mapping on
> more than one computer with WinAPRS!!
>
> Robbie





---
You are currently subscribed to aprssig as: lyris.aprssig@tapr.org
To unsubscribe send a blank email to leave-aprssig-842K@lists.tapr.org
Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org
```

4. [aprssig] WinAPRS 2.60 bug

```
From: "Jamie R. Dean - KE4HTM" <ke4htm@jamierdean.com>
Date: Sat, 1 Jun 2002 05:35:17 -0000
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-82401-2002.06.01-01.11.35--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain
```

```
Like all the others I can not send any messages with 2.60.

73,
---------------------------------------------------------------
Jamie R. Dean

Amateur Radio Callsign..: KE4HTM
Skywarn Spotter Burke County, NC
E-Mail..: ke4htm@jamierdean.com
Six Meter Sked DX Group (Moderator/Owner)..: 6meter-owner@yahoogroups.com
Personal Web Site..: http://www.jamierdean.com
Radio Information Site..: http://www.geocities.com/lordbane
Six Meter Sked DX Group..: http://groups.yahoo.com/group/6meter/
NC USAF MARS Site: http://www.geocities.com/NC_MARS/
QRZ Info. Page..: http://www.qrz.com/callsign/ke4htm
No-Code International..: 1419
Six Meters Six Club World Wide..: 1749
Grid Square..: EM95dr
---------------------------------------------------------------
Romans 10:9-10 (NIV) That if you confess with your mouth,
"Jesus is Lord", and believe in your heart that God raised
him from the dead, you will be saved. For it is with your
heart that you believe and are justified, and it is with
your mouth that you confess and are saved.
---------------------------------------------------------------
[Attachment: Jamie R. Dean.vcf; text/x-vcard; 1,988 bytes]
```

5. [aprssig] Re: WINAPRS 2.60 Bugs???

```
From: Bill Diaz <william.diaz@attbi.com>
Date: Sat, 1 Jun 2002 01:20:54 -0500
```

```
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-82408-2002.06.01-01.56.58--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain
```

```
Jim,
  WinAprs sends requests to the OCX to zoom the map etc.  If the maps do
not update in response to mouse action or zooming, it is likely that the
interface between them is no longer working.  Try to search for a city,
street or zipcode.  If these functions work, then it is likely that OCX is
functioning properly.

Bill KC9XG

On Friday, May 31, 2002 23:38, Spider [SMTP:spider@rivcom.net] wrote:
> After running 2.60 for less than 2 hours, Pmaps quit working correctly.
 It
> appears it is not accessing the hard drive to look
> for the maps any longer.
>
> Jim
>
>
>
>
>
> ---
> You are currently subscribed to aprssig as: kc9xg@attbi.com
> To unsubscribe send a blank email to leave-aprssig-842K@lists.tapr.org
> Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org
>
>

---
You are currently subscribed to aprssig as: lyris.aprssig@tapr.org
To unsubscribe send a blank email to leave-aprssig-842K@lists.tapr.org
Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org
```

---

6. [aprssig] WinAPRS 2.6.0, precision mapping registration

```
From: Skip Allison <sallison@megsinet.net>
Date: Sat, 01 Jun 2002 02:03:09 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-82411-2002.06.01-02.39.48--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain
```

```
OK, so I've got 2.6.0 and PM 5.0.  How do I register the thing so I can
use it with WinAPRS????????
I registered Traveler.  When I try to register Streets it asks for a
serial number.  Where do I find a serial number?

Skip
K9SA

---
You are currently subscribed to aprssig as: lyris.aprssig@tapr.org
To unsubscribe send a blank email to leave-aprssig-842K@lists.tapr.org
Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org
```

---

7. [aprssig] Re: WINAPRS 2.60 Bugs???

```
From: Skip Allison <sallison@megsinet.net>
Date: Sat, 01 Jun 2002 02:21:03 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-82413-2002.06.01-02.57.30--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain
```

```
Robbie Robertson wrote:
>
> The "Half Size" can be dealt with by minimizing the half
> sized screen so the X shows, then kill the window and open a
> new one!
>
> Now we also have to deal with using Precision Mapping on
> more than one computer with WinAPRS!!
>
> Robbie
>

I'm seeing the 1/2 size maps too.  I closed the window and re-opened and
it's still half size.  Also when I start WinAPRS, the maps revery back
to zoomed all the way out.  It doesn't remember the zoom level like the
```

older versions of WinAPRS.

Skip
K9SA

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To unsubscribe send a blank email to leave-aprssig-842K@lists.tapr.org
Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

---

8. [aprssig] More WINAPRS 2.60 Bugs

From: Skip Allison <sallison@megsinet.net>
Date: Sat, 01 Jun 2002 02:34:23 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-82415-2002.06.01-03.10.49--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

1. Can't see the distance when measuring the distance between 2 points. If you minimize, it's not there. If you maximize, it's below the bottom of the screen.

2. Minimize and Maximize maps are the same size.

3. DF still doesn't work. The DF line doesn't show up if the starting point of the line is not on the screen.

Win 98
1.4g Athelon
256 Meg RAM
800x600 Disp

Skip
K9SA

You are currently subscribed to aprssig as: lyris.aprssig@tapr.org
To unsubscribe send a blank email to leave-aprssig-842K@lists.tapr.org
Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

---

9. [aprssig] RE: More WINAPRS 2.60 Bugs

From: "Mark A. Foley" <na4v@cox.net>
Date: Sat, 1 Jun 2002 05:45:27 -0400
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-82471-2002.06.01-05.22.52--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Was this version ever beta tested?...2.6.0 has numerous problems....what a mess....
Mark, NA4V

-----Original Message-----
From: bounce-aprssig-27405@lists.tapr.org
[mailto:bounce-aprssig-27405@lists.tapr.org] On Behalf Of Skip Allison
Sent: Saturday, June 01, 2002 3:34 AM
To: TAPR APRS Special Interest Group
Subject: [aprssig] More WINAPRS 2.60 Bugs

1. Can't see the distance when measuring the distance between 2 points. If you minimize, it's not there. If you maximize, it's below the bottom of the screen.

2. Minimize and Maximize maps are the same size.

3. DF still doesn't work. The DF line doesn't show up if the starting point of the line is not on the screen.

Win 98
1.4g Athelon
256 Meg RAM
800x600 Disp

Skip
K9SA

You are currently subscribed to aprssig as: na4v@cox.net
To unsubscribe send a blank email to leave-aprssig-842K@lists.tapr.org
Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

---
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Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

10. [aprssig] 2.6.0 Bugs

From: Robbie Robertson <mwrobertson@attbi.com>
Date: Sat, 01 Jun 2002 07:44:03 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-82483-2002.06.01-08.19.50--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

2.5.1 would zoom down and the center of the screen would
stay the same. Not anymore. In 2.5.1 you could click on a
station or intersection and then page up or page down and
the new zoom level would be centered on that spot! Not
anymore.

After running all night and connected to RF and tcp/ip, the
home map was not where it was.

A lot of fixed stations are not where they were or are with
the previous setup!

No messaging capabilities.

Startup map windows not being displayed correctly.

PageUP/PageDN seems almost random for center of map.

HELP!

Robbie

--

- Robbie Robertson -
...-.- wa9inf ...-.-

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11. [aprssig] RE: More WINAPRS 2.60 Bugs

From: frastephen@comcast.net
Date: Sat, 01 Jun 2002 08:47:04 -0400
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-82484-2002.06.01-08.23.27--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

----- Original Message -----
From: "Mark A. Foley" <na4v@cox.net>

> Was this version ever beta tested?...

I guess the fundamental question is: "What else is new?" HI!

Peace and 73,
Stephen
W3SMK

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Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

12. [aprssig] FW: [OZAPRS] Australian APRS Internet Server Changes

From: "Andrew Rich" <andrew.rich@bigpond.com>
Date: Sat, 1 Jun 2002 22:53:04 +1000

To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-82485-2002.06.01-08.27.52--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

You know what would really make my day, is a port that I can see just ISS and PCSAT

Andy vk4tec

-----Original Message-----
From: ozaprs-admin@marconi.ics.mq.edu.au
[mailto:ozaprs-admin@marconi.ics.mq.edu.au]On Behalf Of Richard Hoskin
Sent: Saturday, 1 June 2002 19:20
To: ozaprs@careless.net; ui-view@yahoogroups.com
Subject: [OZAPRS] Australian APRS Internet Server Changes

Hi All,

There have been some major changes to the APRS Internet Servers (APRS IS) in VK.

A second national server second.aprs.net.au has been set-up in Sydney by Geoff VK2XJG. The two national servers (aprs.net.au & second.aprs.net.au) are linked to provide redundancy should one loose connections to the International (US) APRS IS. The two servers also provide redundancy with in Australia and New Zealand. This is achieved by the users of the servers setting up their client applications correctly.

The APRS IS aprs.cloud.net.au / VK3SB has been close down as an Internet Server due to changes in it's ISP's charging policy, but the IGate VK3SB will still operate as Victorias main IGate. All connections to aprs.cloud.net.au are now being redirected to second.aprs.net.au

aprs.net.au & second.aprs.net.au both run the same server ports which are listed below:

Port aprs.net.au:10151 / second.aprs.net.au:10151
Provides users with regional and international APRS traffic with 35 minute history.
(High traffic volumes)

Port aprs.net.au:10152 / second.aprs.net.au:10152
Provides users with regional and international APRS traffic with no 35 minute history.
(High traffic volumes)

Port aprs.net.au:10153 / second.aprs.net.au:10153
Provides users with VK* & ZL* only traffic. This port will allow messaging to and from any APRS station regional or international and also pass the associated position of the messaging station.
(Low traffic volumes)

Port aprs.net.au:1313 / second.aprs.net.au:1313
Provides other Hubs and APRS ISs with regional and international APRS traffic.
(High traffic volumes)

Port aprs.net.au:1314 / second.aprs.net.au:1314
Provides users with 3rd party station to station messages. All station to station messages from all data sources and a corresponding position report are available on this port. All other packets are filtered out. This is useful for clients that need to conserve Internet link bandwidth but want access to the global station to station message stream for Internet to RF messaging
(Low traffic volume)

Port aprs.net.au:1315 / second.aprs.net.au:1315
Provides users with UDP data from the International stream.
(High traffic volumes)

Port aprs.net.au:14501 / second.aprs.net.au:14501
Provides users with statistics and information on the aprs server in HTTP format
(Single screen)

UI-View Users

If you are running the latest version of UI-View 32 you will need to go to the Setup / APRS Server Setup and insert second.aprs.net.au:10153 into the

'Select One Or More Servers Box' and tick the box on the left. Then remove the aprs.cloud.net.au:10152 line by clicking on it and hitting the del key. In normal situations none of the Gate RF to Internet or Gate Internet to RF boxes should be crossed. If you need help hit the F1 key.

If you are running the latest version of UI-View 16 you will need to go to the Setup / APRS Server Setup and insert second.aprs.net.au:10153 into the 'Select A Servers Box'. Then remove the aprs.cloud.net.au:10152 line by high-lighting it and hitting the del key. Then select ether aprs.net.au or second.aprs.net.au as the APRS IS you wish to use. In normal situations none of the Gate RF to Internet or Gate Internet to RF boxes should be crossed. If you need help hit the F1 key.

____
ozaprs mailing list
ozaprs@marconi.ics.mq.edu.au
http://marconi.ics.mq.edu.au/cgi-bin/mailman/listinfo/ozaprs
____
ozaprs mailing list
ozaprs@marconi.ics.mq.edu.au
http://marconi.ics.mq.edu.au/cgi-bin/mailman/listinfo/ozaprs

---
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13. [aprssig] 2.6.0

From: Robbie Robertson <mwrobertson@attbi.com>
Date: Sat, 01 Jun 2002 08:02:28 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-82486-2002.06.01-08.38.10--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

The "out of position on fixed stations" turns out to be a random thing. If you page up/down or use arrows, the fixed stations move their positions as if the map is not drawn correctly each time.

--

- Robbie Robertson -
...-.- wa9inf ...-.-

---
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Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

14. [aprssig] GPS in high altitude balloon

From: "Bud Talbot" <kb9wvg@arrl.net>
Date: Sat, 1 Jun 2002 8:7:50
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-82487-2002.06.01-08.43.53--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Greetings-

has anyone ever used a GPS35 in a high altitude balloon? I'm trying to put together a balloon project for the school at which I teach. I'm a little concerned about temperature and gps operation. Any ideas?

---
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Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

15. [aprssig] Re: Antenna Question

From: Mark Phillips <g7ltt@g7ltt.com>
Date: Sat, 01 Jun 2002 10:44:00 -0400
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-82493-2002.06.01-10.20.01--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

I bought one to put on my wife's car. The "2 meter" antenna sits at 167MHz according to my MFJ analyzer. I cannot get a satisfactory tune on 144.39MHz. The GPS bit works OK but not great.

Mark Phillips. G7LTT/KC2ENI
Randolph, NJ. 07869

----- Original Message -----
From: "Shanon Lee Herron" <ka8spw@comcast.net>
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Sent: Friday, May 31, 2002 11:08
Subject: [aprssig] Antenna Question

> Hello group,
>
>   Anybody try one of these antennas yet? Might work out for one of my
> applications. The part about "I offer no other warranty" generates a bit
of
> caution.
>
> DISCLAIMER: I am in no way affiliated with this person or company, I just
> want an opinion from those who HAVE TRIED it already. If you have no
> comments on the technical performance of this antenna then don't send me
or
> the group any whining comments on advertisements or such. Such comments
are
> just a waste of bandwidth and time.....
>
> Thanks, Shanon KA8SPW
>
>
>
> 2 METER VHF + GPS MOBILE ANTENNA FOR HAM APRS Item # 1355353043
>
>
>
http://cgi.ebay.com/ws/eBayISAPI.dll?MfcISAPICommand=ViewItem&item=135535304
> 3
>
>
> 2 Meter VHF and GPS APRS Antenna
> This is a combined 2 meter 1/4 wave whip antenna with an integral
amplified
> GPS antenna in its base. Ideal for amateur radio APRS applications! The
GPS
> section has a low noise amplifier which will give you 25 db of gain. The
1/4
> wave length VHF whip is ideal for low profile mobile applications and the
> whip element can be unscrewed or exchanged with another element via a
small
> allen set screw in the lower collar. Both sections have approximately 13
> feet of RG-174 type cable and they are each terminated with a gold plated
> SMA type screw on connector. I will include a SMA to BNC female adapter
and
> a BNC male to male gender changer adapter to assist you in your
connections.
> This antenna mounts through a 1/2 inch; (approximately) hole on the
mounting
> surface. There is also an adhesive gasket to deter leakage. This is a
recent
> build of excellent quality and is in new/unused condition.
> This is a terrific item for someone interested in a CLEAN and NEAT APRS
> installation!
> Buyer is responsible for $7.00 shipping in the CONUS plus $1.50 for
> insurance if you desire it. Outside of the CONUS will be quoted at the
> conclusion of the auction. PayPal is prefered for quickest shipment.
Please
> read my feedback and my "ME" page. I assure you that you will be happy
with
> this item and that it will not be DOA but I offer no other warranty.
>
>
>
> ---
> You are currently subscribed to aprssig as: g7ltt@g7ltt.com
> To unsubscribe send a blank email to leave-aprssig-842K@lists.tapr.org
> Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org
>

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Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

16. [aprssig] Precision Mapping map sizes

From: Mark Sproul <msproul@jove.rutgers.edu>
Date: Sat, 1 Jun 2002 11:53:59 -0400
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-82499-2002.06.01-11.30.09--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

As most of you are aware, it has taken me a long time to get the new Precision mapping to working properly. One of the issues it the map size, if the map window is not "square", then the map calculations do not work correctly and the stations do not show up where they belong. I will work on enhancing this capability in the future.

For now, when you resize the Precision Mapping map window, it checks to make sure its square and adjusts if needed. If you are having problems with maps not behaving properly, please resize the window and try again.

There will be a new version later today.

Mark

```
--
------------------------------------------------------------------
Mark Sproul                               |
http://ecs.rutgers.edu                    |
msproul@jove.rutgers.edu                  |
Manager - Engineering Computing Services | 732-445-3121
Rutgers University School of Engineering |
Eng B-124-C                               |
------------------------------------------------------------------
```

---
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17. [aprssig] Rushing to meet pressure....

From: Jim Duncan <jdbandman@earthlink.net>
Date: Sat, 01 Jun 2002 12:13:59 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-82503-2002.06.01-12.49.47--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

One of the problems with working with software writing is trying to answer the requests for feature as well as the demand for upgrades. Over the course of the past 3 weeks quite a number of sig-grams have been thrown up wanting the annual upgrade of WinAPRS. Mark answered with a version that is obviously not ready for prime-time, but WHY?

To a degree, WE are the beta-testers of the software.

WE are the ones who all have different modes of using WinAPRS.
WE are the ones who can really put it through its paces.
WE are the ones who can (and do!) try everything.
WE are, therefore, the beta-testers.

Rather than complain and gripe about the software not being tested, we must all bear in mind that WinAPRS is, despite registration (which is EASILY circumvented!) a labor of love and accept our roles as the beta-testing platforms.

Hang in there, Mark and Keith! Everyone else: BE PATIENT! We've been spoiled for a couple of years with new releases that HAVE been extremely stable especially when they are compared to earlier releases.

At this point Mark has stated that another build will be out later today, so let's stop trying to nit-pick 2.6.0 for now and focus on preparing for 2.6.0a (or 2.6.1)....
--
73 de Jim, KU0G
Chairman/Coordinator
Kansas City APRS Working Group, W0APR
First Alert Storm Team KMBC-TV9

Mailto:ku0g@kcaprs.org
Webpage: http://www.kcaprs.org

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Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

18. [aprssig] Re: GPS in high altitude balloon

From: Keith Sproul <ksproul@vger.rutgers.edu>
Date: Sat, 1 Jun 2002 13:24:06 -0400
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: aprssig@lists.tapr.org
Message-ID: <LYR842-82506-2002.06.01-13.02.33--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Yes, This is being done a LOT...

There is very little problem with temp and gps operation....

Take a look at:

http://users.crosspaths.net/~wallio/GPSL2002.html

Keith

>Greetings-
>
>has anyone ever used a GPS35 in a high altitude balloon? I'm trying to put
>together a balloon project for the school at which I teach. I'm a little
>concerned about temperature and gps operation. Any ideas?
>
>---
>You are currently subscribed to aprssig as: ksproul@vger.rutgers.edu
>To unsubscribe send a blank email to leave-aprssig-842K@lists.tapr.org
>Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

--
Keith Sproul   Ham Radio WU2Z
ksproul@vger.rutgers.edu   732 821-4828

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Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

19. [aprssig] WinAPRS 2.6.1, up on tapr

From: Mark Sproul <msproul@jove.rutgers.edu>
Date: Sat, 1 Jun 2002 14:20:58 -0400
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-82530-2002.06.01-13.57.02--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

First I want to thank everyone for the input in getting these issues
resolved. The new version with as much as I could fix in a short
period is up on tapr.

Also, thanks to Bill Diaz, the latest version of the OCX is included
which has some bug fixes from Undertow software. Mainly a memory
leak.

Mark

WinAPRS 2.6.1 is now up on tapr

ftp://ftp.tapr.org/aprssig/winstuff/WinAPRS/

WinAPRS Version 2.6.1 - June 11, 2002
MacAPRS Version 3.6.1

Fixed message problem
Prec Mapping OCX updated
Prec Mapping window sized better

```
--
------------------------------------------------------------------
Mark Sproul                               |
http://ecs.rutgers.edu                    |
msproul@jove.rutgers.edu                  |
Manager - Engineering Computing Services | 732-445-3121
Rutgers University School of Engineering |
Eng B-124-C                               |
------------------------------------------------------------------
```

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Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

20. [aprssig] MacAPRS 3.6.1, up on tapr

From: Keith Sproul <ksproul@vger.rutgers.edu>
Date: Sat, 1 Jun 2002 14:25:36 -0400
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-82531-2002.06.01-14.02.54--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

MacAPRS 3.6.1 is up on TAPR

The site is:

ftp://ftp.tapr.org/aprssig/macstuff/MacAPRS/

It has all the updates etc as the Windows version, except for the
Precision Map support..

You are currently subscribed to aprssig as: lyris.aprssig@tapr.org
To unsubscribe send a blank email to leave-aprssig-842K@lists.tapr.org
Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

21. [aprssig] Re: Rushing to meet pressure....

From: Terry Bendell <ve3tkb@sympatico.ca>
Date: Sat, 01 Jun 2002 15:01:36 -0400
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-82532-2002.06.01-14.37.32--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Are you implying that we as consumers have no voice or have
no right to express our thoughts? Are you suggesting we
steal from the authors?

Your statement is without merit sir.

73

Terry

on 6/1/02 1:13 PM, Jim Duncan at jdbandman@earthlink.net wrote:

> Rather than complain and gripe about the software not being tested, we
> must all bear in mind that WinAPRS is, despite registration (which is
> EASILY circumvented!) a labor of love and accept our roles as the
> beta-testing platforms.
>

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Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

22. [aprssig] Re: WinAPRS 2.6.1, up on tapr

From: "Spider" <spider@rivcom.net>
Date: Sat, 1 Jun 2002 12:04:52 -0700
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-82533-2002.06.01-14.41.13--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

```
----- Original Message -----
From: "Mark Sproul" <msproul@jove.rutgers.edu>
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Sent: Saturday, June 01, 2002 11:20 AM
Subject: [aprssig] WinAPRS 2.6.1, up on tapr


> First I want to thank everyone for the input in getting these issues
> resolved.  The new version with as much as I could fix in a short
> period is up on tapr.
>

Message issues appear to be resolved!!!  Thank you VERY MUCH!!!!

Jim, WA6OFT
www.wa6oft.com





---
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Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org
```

23. [aprssig] Re: Rushing to meet pressure....

From: Jim Duncan <jdbandman@earthlink.net>
Date: Sat, 01 Jun 2002 15:23:55 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-82569-2002.06.01-15.59.36--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

```
Terry Bendell wrote:
>
> Are you implying that we as consumers have no voice or have
> no right to express our thoughts?

NO, ABSOLUTELY NOT!

> Are you suggesting we steal from the authors?

YES, SOME PEOPLE ARE BY PROPAGATING COPIES OF THE SOFTWARE AND SETTING
UP SYSTEMS FOR OTHERS USING THEIR OWN VALIDATION NUMBER THEN CHANGING
CALLSIGNS!  To me, this IS stealing.

> Your statement is without merit sir.

If I were the software author and discovered such piracy taking place, I
would be writing code into the software which makes any new installation
require a new registration code (not necessarily purchased but just as a
means of keeping track of how many installations a person does.).

(ALL CAPS for separation of comments only!)
--
73 de Jim, KU0G
Chairman/Coordinator
Kansas City APRS Working Group, W0APR
First Alert Storm Team KMBC-TV9
Mailto:ku0g@kcaprs.org
Webpage: http://www.kcaprs.org

---
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Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org
```

24. [aprssig] Re: Rushing to meet pressure....

From: "Ramon F. Kolb" <ramon@ieee.org>
Date: Sat, 1 Jun 2002 17:19:20 -0400
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-82573-2002.06.01-16.55.28--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Personally, I think that the registration price for WinAPRS is way too high for what is offered. If you pay a registration fee, yes, I think you should have the right to a "service pack" resolving bugs as they appear. Even Microsoft does this...

I have WinAPRS installed, and I didn't like the user-interface for a thing. Also, it's not stable enough to keep it running unmanned, without having to check it up 2x a day to see if it hasn't crashed. Hence, I did NOT register it.

Luckily, there is an alternative. It's called UI-View, works great with more features than 90% of all APRS users would ever need, the 16-bits version is FREE, and the registered version (32-bits) costs only $15. It's used almost universally in Europe for APRS. Why it hasn't picked up here is beyond my grasp. The author normally answers any please for help answers (or work-arounds for the occasional bug) within 24 hours, occasionally makes a "specialized" version for you, and many, many "plug-in" applications are available for special needs or interests. Check it out at http://www.packetradio.org.uk . Maps are not vector-maps, which some members of this list see as a disadvantage, but I'd say it's an advantage: you can provide any map you want yourself, or you can use the Microsoft Mappoint or Delorme Street Atlas plugins to use mapping program maps. The software is rock-stable; I personally have had it running on Win98SE and WinXpPro for weeks at a time without the need to reset.

I have no connection to the author (Roger Barker, G4IDE), or commercial interest in promoting this software, I'm just a very happy user of it. So if you don't like WinAPRS or DosAPRS, know that there are good alternatives out there...

Last thing I don't really understand is the use of the APRS-IS code as a program registration code. I'd say that this code is meant to authenticate that the operator of the software is a HAM, and therefore that he can safely be admitted to the APRS IS (with the risk/feature that his data gets re-transmitted over radio). A way to verify this, is to declare to the "author"/registrar of the software that you are a HAM, but it shouldn't be used as copy protection. So using someone else's activation code is not stealing software, but faking "being a HAM" with consequences for the packets that are uploaded to the IS and retransmitted over radio.

73s,

--Ramón

Ramón F. Kolb, W1/PA3EUG, Boston, MA, USA [FN42KI].
http://beaconet.webhop.org for BEACONet Info !
ICQ-77117744; MSNMGR-legalalien30@hotmail.com

-----Original Message-----
From: bounce-aprssig-24121@lists.tapr.org
[mailto:bounce-aprssig-24121@lists.tapr.org] On Behalf Of Jim Duncan
Sent: Saturday, June 01, 2002 16:24
To: TAPR APRS Special Interest Group
Subject: [aprssig] Re: Rushing to meet pressure....

Terry Bendell wrote:
>
> Are you implying that we as consumers have no voice or have
> no right to express our thoughts?

NO, ABSOLUTELY NOT!

> Are you suggesting we steal from the authors?

YES, SOME PEOPLE ARE BY PROPAGATING COPIES OF THE SOFTWARE AND SETTING UP SYSTEMS FOR OTHERS USING THEIR OWN VALIDATION NUMBER THEN CHANGING CALLSIGNS! To me, this IS stealing.

> Your statement is without merit sir.

If I were the software author and discovered such piracy taking place, I would be writing code into the software which makes any new installation require a new registration code (not necessarily purchased but just as a means of keeping track of how many installations a person does.).

(ALL CAPS for separation of comments only!)

--
73 de Jim, KU0G
Chairman/Coordinator
Kansas City APRS Working Group, W0APR
First Alert Storm Team KMBC-TV9
Mailto:ku0g@kcaprs.org
Webpage: http://www.kcaprs.org

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25. [aprssig] Re: WinAPRS 2.6.1, up on tapr

From: "Dick Stanich" <dick@kb7zva.com>
Date: Sat, 1 Jun 2002 16:55:48
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-82583-2002.06.01-17.31.49--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Another bug... mapblast does not work with the html webserver. When the gif maps try to display, with a client FIND request, the mapblast site responds with:

error: improper settings (In the middle of each of the 3 display maps)

The request html language is wrong to the site. I changed the request with a hex editor in my version of WinAPRS 2.5.1., and it works.

http://ahubwest.com:14551/

Dick, KB7ZVA
SouthWest Arizona APRS Group
javAPRSSrvr - APRSWest.net
http://kb7zva.com/

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26. [aprssig] Re: Rushing to meet pressure....

From: "Bob K8YS & Janet N8LBR" <jbcraft@adelphia.net>
Date: Sat, 1 Jun 2002 18:36:07 -0400
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-82586-2002.06.01-18.14.15--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

KU0G said:

If I were the software author and discovered such piracy taking place, I would be writing code into the software which makes any new installation require a new registration code...

and call the result WinAPRS-XP??

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27. [aprssig] Re: Rushing to meet pressure....

From: "Kurt A. Freiberger" <kurt@badgers-hill.net>
Date: Sat, 1 Jun 2002 18:37:25 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-82591-2002.06.01-19.13.26--lyris.aprssig#tapr.org@lists.tapr.org>

Rendered body type: text/plain

```
On Sat, 1 Jun 2002 17:19:20 -0400
"Ramon F. Kolb" <ramon@ieee.org> wrote:

<whine about WinAPRS,  shameless plug for UI-DIGI, whine about APRS-IS use deleted>

All I have to say is, write a program, publish it, deal with endless backseat coders, and see
what it is like to do it.  If you don't like the price of a program, don't pay it, and don't use
the program.  If the author is proud of his product, then he'll listen to suggestions and bug
reports, and do what he can to accomodate.  And remember, most of all: THIS IS JUST A
<deleted> HOBBY!  Most people have a real job.

73/Kurt WB5BBW

--
Kurt A. Freiberger     Network Geek     kurt@badgers-hill.net
Austin, TX      512/251-0759 (home)     512/970-7026 (cell)
NOTE: My address has changed from WB5BBW@AIRMAIL.NET.  Please
      update your address book.

---
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```

28. [aprssig] Re: Rushing to meet pressure....

From: k9soa@att.net
Date: Sat, 01 Jun 2002 23:45:42 +0000
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-82592-2002.06.01-19.21.46--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

```
If a product has not had enough testing and users are
expected to provide such, then the release SHOULD BE
MARKED BETA so that users would know to expect errors.

If not plainly marked BETA, users have a right to expect
that the product has gone through fairly decent
testing.

I have been a software BETA tester for over 35 years and
as such, expect to find errors.

This should be true for every product, ESPECIALLY THAT
FROM MICROSOFT.  Since it isn't, other authors feel that
they can do the same.

I am a registered WINAPRS owner but don't run it.  Found
something I like better and MUCH CHEAPER.  For the
price, the purchaser should not have to do BETA TESTING
unless they are advised IN ADVANCE.

Even long ago I NEVER installed a release that ended in
0.   That is a dead giveaway that more testing will be
needed before it works right.


--
Don

www.k9soa.net  (EM77EW)

Home of "JEANNIE"
The House That Listens
Using HAL2000 by Home Automated Living
Seen on HGTV's Dream Builder show

Featured Home of the Month
Home Automation Magazine March 2002

---
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```

29. [aprssig] GPS posted on eBay

From: Mark Phillips <g7ltt@g7ltt.com>
Date: Sat, 01 Jun 2002 20:13:54 -0400
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-82593-2002.06.01-19.49.58--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

I've just posted A GPS RX on Ebay. Its aviation quality although it is a
little old.

http://cgi.ebay.com/ws/eBayISAPI.dll?ViewItem&item=1357326711

Have fun out there

Mark Phillips. G7LTT/KC2ENI
Randolph, NJ. 07869

PS, Jason: drop me a line with your address. I have found the last of the
Kantronics TX's I was telling you about.

---
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---

30. [aprssig] Tracker - Changing Icons Question

From: "Brian F250" <froby@earthlink.net>
Date: Sat, 1 Jun 2002 17:44:01 -0700
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-82597-2002.06.01-20.20.17--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

I have my tracker up and running
It is a Kantronics and all seems ok etc.

I have a question, where in the settings do I change the ICON that I am
putting on the map as now I am a little boat (s) and I would like to change
it and I cannot seem to find where in my Kantronics KPC-3 that I change a
text string.

Your help is appreciated.

WA6JFK
Brian

---
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---

31. [aprssig] Re: Tracker - Changing Icons Question

From: Robbie Robertson <mwrobertson@attbi.com>
Date: Sat, 01 Jun 2002 20:22:11 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: TAPR APRS Special Interest Group <aprssig@lists.tapr.org>
Message-ID: <LYR842-82626-2002.06.01-20.57.47--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Brian,

In the LTP 1-4 strings, The GPS?? sets the Icon in the
PATHS Like LTP 1 GPSLJ V RELAY, WIDE2-2
and so forth. The Very Questionable Page and several others
have this information that I rely on a lot, :-) Try
www.dididahdahditdit.com and look for KPC3 information for
trackers..

Good luck!

Robbie

Brian F250 wrote:
>
> I have my tracker up and running
> It is a Kantronics and all seems ok etc.
>
> I have a question, where in the settings do I change the ICON that I am
> putting on the map as now I am a little boat (s) and I would like to change
> it and I cannot seem to find where in my Kantronics KPC-3 that I change a

```
> text string.
>
> Your help is appreciated.
>
> WA6JFK
> Brian
>
> ---
> You are currently subscribed to aprssig as: mwrobertson@attbi.com
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> Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

--

- Robbie Robertson -
...-.- wa9inf ...-.-

---
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```

---

32. [aprssig] Re: Rushing to meet pressure....

From: Neil Johnson <njohnsn@iowatelecom.net>
Date: Thu, 30 May 2002 22:08:47 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-82650-2002.06.01-22.44.40--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

```
On Saturday 01 June 2002 06:45 pm, k9soa@att.net wrote:
> If a product has not had enough testing and users are
> expected to provide such, then the release SHOULD BE
> MARKED BETA so that users would know to expect errors.
.
.
.
----- RANT MODE ON ---------
Listen you nit-wits.

Mark and Keith are doing this as a HOBBY.

They have full-time jobs, family, and friends.

I'm guessing they probably don't make much profit from the program, but  it...

1.  Provides compensation for PITA (Pain In The "Posterior" ) factor of
processing registration requests to confirm Licensed HAMS and provide
authentication codes.

2.  Pays for the hardware and software (Computers, Radios, TNC's, Compilers,
Operating Systems, etc.)  they need for development. I believe the PMAP OCX
developer's license is something like $500-$600. And have you priced a
commercial C compiler for  Micro$oft Window$ lately ?. Not mention Internet
access, postage, and phone calls to support development of the software.
And I'm not going to get upset if they buy a few cool new toys along the way
too.

3. Pays for their trips to Dayton, TAPR DCC, etc. Not to mention their booth
space at those events.

4. Lessens the amount of heat they get from their XYL's about their expensive
hobby :)

As for bugs, etc.

1. They AREN'T Microsoft. It is just Mark and Keith. They don't have a legion
of Professional Software Testers and User Interface Designers to make their
application look "pretty".

It still amazes me that Microsoft, with all their resources and new "focus"
on security, keeps leaving serious security issues in their applications.
(Although I will take Microsoft LookOut! over Lotus Nuts any day, but that's
another rant).

Mark and Keith rely on US to test most aspects of the software, and inform
them of issues (and most importantly the conditions that cause those issues
so they can find the  root cause).
```

As for UI-View (which is a nice product), remember that they are working on a CROSS-PLATFORM product (Windows/Mac/Linux). You bet you can create a pretty nice looking Windows application using Bills tools and OS with all of it's neat bells and whistles, but then you are SOL when you go to the Mac or Linux. This means they have to create their own User Interface controls to maintain compatibility.

Plus trying to implement mapping software is HARD. Even more so when you are supporting multiple file formats (IMAGE and VECTOR)..

Like others in this thread have said.

Don't like it, Don't use it, and If you think you can do better, WRITE YOUR OWN !. Otherwise, DON['T WHINE.

If you honestly want to help Mark and Keith, test their software, collect data, and POLITELY send them the information they need to research and fix the problem.

----- RANT MODE OFF ------

--
Neil Johnson, N0SFH
http://www.iowatelecom.net/~njohnsn
http://www.njohnsn.com/
PGP key available on request.

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33. [aprssig] Precison Mapping 5.0

From: "Germino" <mgermino@inreach.com>
Date: Sat, 1 Jun 2002 20:43:44 -0700
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-82654-2002.06.01-23.24.53--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

I want to get Precison Mapping 5.0 for WinAprs. Where? What's a good price?

Mike
AD6AA

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34. [aprssig] Re: Precison Mapping 5.0

From: "Spider" <spider@rivcom.net>
Date: Sat, 1 Jun 2002 21:08:59 -0700
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-82655-2002.06.01-23.45.07--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

www.undertowsoftware.com

----- Original Message -----
From: "Germino" <mgermino@inreach.com>
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Sent: Saturday, June 01, 2002 8:43 PM
Subject: [aprssig] Precison Mapping 5.0

> I want to get Precison Mapping 5.0 for WinAprs. Where? What's a good
price?
>
> Mike
> AD6AA
>
>

>
>

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35. [aprssig] Re: Tracker - Changing Icons Question

From: KC7ZRU - Tate <kc7zru@arrl.net>
Date: Sat, 01 Jun 2002 22:33:12 -0600
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-82667-2002.06.02-00.09.21--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Hi Brian,

I assume you're talking about WA6JFK-8, since that's the only station I find that looks to be using a raw GPS dump (kantronics tracker).

Here's the pertinent part of your data string, from findu.com:
WA6JFK-8>GPSLJ,RELAY*,WIDE2-1:$GPRMC.....

What determines the icon shown, is those two letters just after GPS in the TO CALL. Take a look at the aprs specification on the tapr web site. You can also look at the file that comes with AprsDOS called 'symbols.txt' - here's a link to it: http://www.dididahdahdidit.com/text/symbols.txt In there is a list of the letters that'd replace the x's in GPSxx for different icons. If I'm remembering correctly LK is a p/u truck - but check that first.

Then, after connecting a terminal (or remote sysop access) to your Kantronics TNC, change the path in your LTP variables from:

GPSLJ V RELAY,WIDE2-2
to
GPSxx V RELAY,WIDE2-2

Of course, replacing the x's for whatever letters will represent the icon you want to show.

Good luck!

Brian F250 wrote:
>
> I have my tracker up and running
> It is a Kantronics and all seems ok etc.
>
> I have a question, where in the settings do I change the ICON that I am
> putting on the map as now I am a little boat (s) and I would like to change
> it and I cannot seem to find where in my Kantronics KPC-3 that I change a
> text string.
>
> Your help is appreciated.
>
> WA6JFK
> Brian
>

--
```
              Casper, WY    |    CARC Repeater
                DN62tt      |      146.940
        "The Dungeon" online at http://go.to/kc7zru
            "RTFM" is NOT a 'four letter' word!
```

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36. [aprssig] Re: Rushing to meet pressure....

From: Terry Bendell <ve3tkb@sympatico.ca>
Date: Sun, 02 Jun 2002 01:39:00 -0400
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-82677-2002.06.02-01.15.03--lyris.aprssig#tapr.org@lists.tapr.org>

Rendered body type: text/plain

```
Interesting approach you have when communicating your
thoughts.

This NIT-WIT thinks that if your paying for a product
or service or even evaluating it in the pre-purchase stage
you have the right to voice an opinion.

Who cares what the developers woes are, they are charging for it
and in the end they have to adjust to the market needs or get out of
the game.

Sorry mine and other peoples views conflict with your own.
Live with it and leave the name calling for the kids and lids.



73

Terry



on 5/30/02 11:08 PM, Neil Johnson at njohnsn@iowatelecom.net wrote:

> On Saturday 01 June 2002 06:45 pm, k9soa@att.net wrote:
>> If a product has not had enough testing and users are
>> expected to provide such, then the release SHOULD BE
>> MARKED BETA so that users would know to expect errors.
> .
> .
> .
> ----- RANT MODE ON ---------
> Listen you nit-wits.
>


---
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37. [aprssig] Re: Rushing to meet pressure....

From: tvsjr <tvsjr@sprynet.com>
Date: Sun, 02 Jun 2002 04:16:21 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-82680-2002.06.02-04.52.01--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

```
OK, then I have a good solution. Most Microsoft packages are several
hundred dollars. Let's make WinAPRS $250 for registration, and then we can
probably arrange to have higher quality software. Oh, wait a minute, you
don't want to pay that large a sum of money for the software - which, while
every now and then buggy, is otherwise great? Then you don't get the
privilege to complain quite as much, nor should you have the expectation
that every problem should be fixed immediately when you contact the authors.

My final suggestion - remember all that stuff about camaraderie and
friendship in amateur radio? Perhaps you should step down off your high
horse and remember that this is just a HOBBY. If you don't like the
software, don't pay for it. Use UIView as much as you like. If you are so
qualified, write your own, and sell it if you can. Please don't sour the
opinions of those of us that are brand new in the APRS world by making us
think that the entire project is being held back by a few crotchety
individuals. I'm on this list to read about the system, not to listen to
sermons.

My $.02. Flames direct to me please.
73s, Terry (another one)

At 01:39 AM 06/02/2002 -0400, Terry Bendell wrote:
>Interesting approach you have when communicating your
>thoughts.
>
>This NIT-WIT thinks that if your paying for a product
>or service or even evaluating it in the pre-purchase stage
>you have the right to voice an opinion.
>
>Who cares what the developers woes are, they are charging for it
```

>and in the end they have to adjust to the market needs or get out of
>the game.
>
>Sorry mine and other peoples views conflict with your own.
>Live with it and leave the name calling for the kids and lids.
>
>
>
>73
>
>Terry
>
>
>
>on 5/30/02 11:08 PM, Neil Johnson at njohnsn@iowatelecom.net wrote:
>
> > On Saturday 01 June 2002 06:45 pm, k9soa@att.net wrote:
> >> If a product has not had enough testing and users are
> >> expected to provide such, then the release SHOULD BE
> >> MARKED BETA so that users would know to expect errors.
> > .
> > .
> > .
> > ----- RANT MODE ON ---------
> > Listen you nit-wits.
> >
>
>
>---
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38. [aprssig] Kenwood D700 Programming Software and Windows XP

From: "Darryl Smith" <Darryl@radio-active.net.au>
Date: Sun, 2 Jun 2002 20:44:03 +1000
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-82682-2002.06.02-06.21.00--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

G'Day

Are there any issues with the Kenwood D700 software and Windows XP. I
seem to remember something but I cannot find it now.

Darryl

Darryl Smith, VK2TDS   POBox 169 Ingleburn NSW 2565 Australia
Mobile Number 0412 929 634 [+61 4 12 929 634 International]
Darryl@radio-active.net.au | www.radio-active.net.au

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---

39. [aprssig] RE: Kenwood D700 Programming Software and Windows XP

From: "Josh Gould" <kc8eqa@columbus.rr.com>
Date: Wed, 28 Feb 2001 07:10:50 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-82685-2002.06.02-06.43.27--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

I programmed mine under XP and had no problem.

73's
Josh
KC8EQA
EN80KA

-----Original Message-----
From: bounce-aprssig-28041@lists.tapr.org
[mailto:bounce-aprssig-28041@lists.tapr.org] On Behalf Of Darryl Smith
Sent: Sunday, June 02, 2002 6:44 AM
To: TAPR APRS Special Interest Group
Subject: [aprssig] Kenwood D700 Programming Software and Windows XP

G'Day

Are there any issues with the Kenwood D700 software and Windows XP. I seem to remember something but I cannot find it now.

Darryl

Darryl Smith, VK2TDS   POBox 169 Ingleburn NSW 2565 Australia
Mobile Number 0412 929 634 [+61 4 12 929 634 International]
Darryl@radio-active.net.au | www.radio-active.net.au

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Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

---

40. [aprssig] Re: Rushing to meet pressure....

From: Paul Womble <pwomble1@tampabay.rr.com>
Date: Sun, 02 Jun 2002 09:44:51 -0400
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-82698-2002.06.02-09.21.13--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Let all the people who want to bitch & complain keep at it. Officially notify the Sproul's and everyone here on the SIG. I don't get enough junk email as it is ;-)

Then the Sproul's can send a real world bill for their time to the whiners.

The rest of us that appreciate their dedication will just wait patiently as we always do.

73
Paul K4FB

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---

41. [aprssig] Rushing to meet pressure....

From: Terry Bendell <ve3tkb@sympatico.ca>
Date: Sun, 02 Jun 2002 09:48:13 -0400
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-82699-2002.06.02-09.24.27--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Thanks for your opinion,

I respect your views. I just don't agree with them.
I don't have any problem with paying for software.
Re-Read my posts, I advocate Free Speech and Opinion.
I don't think calling people NIT-WITS is very productive.

You have your opinion and I have mine.
Lets just leave it at that and be friends ok?

As far as I am concerned this thread is over

73

Terry

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42. [aprssig] Re: Rushing to meet pressure....

From: k9soa@att.net
Date: Sun, 02 Jun 2002 14:16:20 +0000
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>,
"TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-82701-2002.06.02-09.52.23--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Most of the software we are using for APRS is written as a HOBBY. APRS itself was written and designed as a HOBBY.

The other authors also have full time jobs, family, and friends.

Compared to other products the profit margin seems pretty high.

Nice if you can have your HOBBY pay for all your equipment and development software.

Trips to Dayton, TAPR, DCC, etc. NICE HOBBY

Why do they have to confirm for licensed HAMS? User responsibility not the vendor. FCC is not going to fine them if a NON-HAM buys the program. It is very useful for a non-ham. Software is not a transmitter so is not covered by FCC rules.

Hassles from XYL's are usually part of ANY HOBBY.
Boats, Cars, HAM RADIO, Home Automation, etc.

Never said that Mark and Keith were in any way like Microsoft. Just don't be is such a hurry to provide a feature and put it out there before it is ready. Makes users upset (as seen here), and gives the product a bad name. Better to wait and get it right. I'm not saying that it should be bug free. NO SUCH THING. Users are always going to try and do something that an author never even dreamed of trying. Been there, Done that. Been writing mainframe software for over 40 years.

Never said that writing software was easy. But that is what you are paying for. When you have the highest priced software product for the job, you expect better quality. Same for almost everything. I expect better quality from a Lincoln than I would from a Hugo or Chevy. When you pay more, you expect more.

I bought WINAPRS and paid the fee. Use UI-VIEW for the features, ease of install and use. AND THE MAIN REASON is the author seems to stay up 24 hours answering questions about the product even though the answers are usually IN THE DOCUMENTATION.

I met both Mark and Keith as well as had a nice chat with their Mom and Dad. They are dedicated people and providing a needed product. Just need a little more time to test before putting it out there for use. Everyone gets frustrated when a product comes out with features that you have been waiting for and then it doesn't work right.

On another short topic, when you send replies, why put
the sig in the TO AND CC address? One or the other will
do the job.
--
Don

www.k9soa.net (EM77EW)

Home of "JEANNIE"
The House That Listens
Using HAL2000 by Home Automated Living
Seen on HGTV's Dream Builder show

Featured Home of the Month
Home Automation Magazine March 2002

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43. [aprssig] WinAPRS Weather Display bug or ??

From: Ken Brown <W2KB@compuserve.com>
Date: Sun, 2 Jun 2002 11:30:20 -0400
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: Mark Sproul <kb2ici@amsat.org>, Keith Sproul <ksproul@rci.rutgers.edu>
Message-ID: <LYR842-82708-2002.06.02-11.07.25--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Keith / Mark,

I've upgraded to WinAPRS V. 2.6.1 and it is running fine so far under XP
Home Edition, except for the previously reported not remembering zoom
levels of the maps but,

I cannot get the software to recognize and read in the WeatherDisplay data
file.

I have the "WX Display [file]" checked and in the path file have:

"C:\WinAPRS\data\WXNOW.TXT"

The WXNOW.TXT file generated by WeatherDisplay is updating every minute as
it is supposed to (in the above subdirectory; a typical example is:

```
Jun 2 2002 10:40
259/001g003t073r000p001P000b10037h40
```

Another sample:

```
Jun 2 2002 11:16
321/003g009t072r000p001P000b10041h41
```

In Weather Display, I have set to "no" all three questions:

Use daily maximum gust
Have /fWD at the end (of the data)
Allow 100% humidity (h00)

(Changing all combinations and permutations of above to "yes" made no
difference.)

None of the weather information gets into any screen of WinAPRS, for
display or transmission.

When I use a "send weather" command in WinAPRS, a alert box opens:

"Weather data is invalid or too old (check cables)"

Of course, there are no cables since it is supposed to be looking at just a
file, so that's not an issue like with the weather station options. The
data strings are as above, and look reasonable?

The XP computer's clock is set to local time (EDT). The WinAPRS UTC offset
is set to negative 4. Changing the times and offset all to UTC made no
difference.

Findu recognizes FTPed via Internet APRS weather data that WeatherDisplay
directly sends out via dialup modem and my ISP so WeatherDisplay is

properly processing the Rainwise MK-III logger data for that purpose.

Any help on getting the WeatherDisplay file working with WinAPRS will be
greatly appreciated.

Thanks 73

---Ken   W2KB@ARRL.net   VC-NJ   KofC

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---

44. [aprssig] WinAPRS & Weather Display

From: Keith Sproul <ksproul@vger.rutgers.edu>
Date: Sun, 2 Jun 2002 12:52:37 -0400
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-82718-2002.06.02-12.29.46--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Ken Brown, W2KB, helped me figure out a minor problem in the Weather
Display feature of WinAPRS 2.6. So, currently, Weather Display input
to WinAPRS is not working.

We will have this fixed shortly, but it won't be up on TAPR until next weekend.

In the mean time, if you have the Weather Display program, please let me know..

Keith Sproul

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---

45. [aprssig] IGATE/RFGATE: Help me to remember, please...

From: "Ev Tupis (W2EV)" <w2ev@arrl.net>
Date: Sun, 02 Jun 2002 13:12:05 -0400
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-82723-2002.06.02-12.48.36--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Assuming that I am listening on 144.39 MHz...and an icon appears from a
great distance away, how would I know:

```
o that the APRS packet originated on RF, was IGATED to the
  Internet Stream and then RFGated back to RF, based solely
  on what appears in the APRS frame that my station decoded?

  - I'm thinking that IGATE's place TCPIP as a 'digi alias' when they
    pass info to the Internet Stream...but I can't remember for sure.

o the callsign of the IGATE that RX'd the RF and GATED it to
  the Internet Stream?

o the callsign of the RFGATE that RX'd the frame on the
  Internet Stream and RFGATE'd it back to 144.39?
```

I'm running on little sleep and am having a tough time remembering. I was
about to give some input to someone on a related topic, but didn't want to
provide incorrect information.

Regards,
Ev, W2EV
--
BEACONet lets you look at the world in ways never before imagined.
http://go.to/BEACONet

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46. [aprssig] Re: Rushing to meet pressure....

From: Jeff King <jeff@aerodata.net>
Date: Sun, 2 Jun 2002 13:49:52 -0400

To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: Terry Bendell <ve3tkb@sympatico.ca>
Message-ID: <LYR842-82729-2002.06.02-13.21.10--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

I run a small business so a few comments here.

On Sun, 02 Jun 2002 04:16:21 -0500, tvsjr wrote:
>OK, then I have a good solution. Most Microsoft packages are several
>hundred dollars. Let's make WinAPRS $250 for registration, and then
>we can

I believe Terry's point is once you start charging customers for a product the customers reasonably expect something in return. BTW, the XASTIR (a free open source APRS software) has a interesting way of addressing complaints about their software.... if someone complains they hand that person a copy of source code and say fix it themselves. Now, you do make the plausible point that maybe WinAPRS is priced too low... that very well may be and possibly the price should be raised and/or a yearly update fee be charged.

But the point is, once you start charging customers for a product those same customers start to expect something in return. The fact that the seller may or may not be charging enough to redemn their labor is not the customers fault or concern.

Welcome to the real world.

>My final suggestion - remember all that stuff about camaraderie and
>friendship in amateur radio?

I believe Terry was responding to the fellow that was using the term "nit wit". At that point one could make the assumption that "camaraderie and friendship" had left the building.

-Jeff

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47. [aprssig] Re: Rushing to meet pressure....

From: Paul Womble <pwomble1@tampabay.rr.com>
Date: Sun, 02 Jun 2002 14:02:54 -0400
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-82731-2002.06.02-13.39.22--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Jeff King wrote:

> I run a small business so a few comments here.
>
> But the point is, once you start charging customers for a product those same
> customers start to expect something in return. The fact that the seller may
> or may not be charging enough to redemn their labor is not the customers
> fault or concern.

> Welcome to the real world.

If the Sprouls charged the amateur community a "real world" price for their work, APRS would not be what it is today. Most of us could not afford it or would refuse to pay the price.

Paul K4FB

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48. [aprssig] Re: Rushing to meet pressure....

From: Jeff King <jeff@aerodata.net>
Date: Sun, 2 Jun 2002 14:22:54 -0400
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-82734-2002.06.02-13.54.04--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

On Sun, 02 Jun 2002 14:02:54 -0400, Paul Womble wrote:
>Jeff King wrote:

>>Welcome to the real world.
>
>If the Sprouls charged the amateur community a "real world" price
>for their work,
>APRS would not be what it is today. Most of us could not afford it
>or would refuse to pay the price.

Paul:

I don't understand your point. The team that does XASTIR charges $0 for their
work, yet they make a fine social profit. Their profit being it is something
they enjoy (i.e. a labor of love). Profit does not need to be monetary,
however profit always is in balance.

What I suspect you are saying (and we can only guess) is that the Sprouls
profit consists of both the price they are charging as well as the undieing
accolades of those in the APRS community? Certainly they deserve that, but as
a new users to APRS, is this contract clearly enumerated in their licensing
agreement? (i.e. Yee shall not complain if Yee don't like something.)

This is what I meant by the real world. In the real world, if a customer pays
money for a product that customer has certain expectations. Or are you
suggesting APRS is not the real world? (and that is clearly a possibility)

Jeff

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49. [aprssig] RE: GPS in high altitude balloon

From: "Mark Conner" <n9xtn@cox.net>
Date: Sun, 2 Jun 2002 13:21:43 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-82735-2002.06.02-13.58.02--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

I have flown this model of GPS as high as 95,000 ft with no
problems. I keep the unit inside the payload so it's not
completely exposed to the outside air (which can be as low
as -90F. I have tested the unit to -20F with no ill effects, and
in flight the GPS does not get that cold inside the payload.

73 de Mark N9XTN
http://members.cox.net/mconner1/nstar.html

=========

Subject: GPS in high altitude balloon
From: "Bud Talbot" <kb9wvg@arrl.net>
Date: Sat, 1 Jun 2002 8:7:50
X-Message-Number: 17

Greetings-

has anyone ever used a GPS35 in a high altitude balloon? I'm
trying to put
together a balloon project for the school at which I teach. I'm a
little
concerned about temperature and gps operation. Any ideas?

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50. [aprssig] Rushing to meet pressure.

From: Valentino Sarro <sarrov@telusplanet.net>
Date: Sun, 02 Jun 2002 12:58:50 -0600
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-82744-2002.06.02-14.37.51--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Wonderful discussion (sarsasm).....

Just proves the old adage about what they say about hams......gripe, gripe, gripe....

You don't like (WinAPRS) the program? Don't buy it, don't "steal" it, don't use it....

(Interestingly enough, $60USD is about $100CAD up here, yet a lot of Canadian HAMS purchased it.)

I don't think $60USD is unreasonable considering the bulk of HAMS on this list are also owners of much more expensive hobby items, such as:

TNCs, Desktop Computers, Laptop computers, power supplies, feedline, HTs, Mobile radios, base radios, antennas, Tigertrackers, GPSes, etc. How much do you think all of this stuff costs? A heck of a lot more than $60....

I've had the program since 1997-1998, I still can't remember the last time I purchased software and continued to receive software updates for 4+ years.

Furthermore, while more APRS (software) alternatives exist today, there weren't that many choices years ago. APRS has advanced a long way in a relatively short period of time, due in a large part to the WinAPRS (MacAPRS) software which helped bring this facet of the hobby a lot more exposure.

How about a little gratitude, folks.....

Tino, VE6SZR
Calgary, Alberta

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---

51. [aprssig] Fw: WinAPRS MIC-E conversion on IGATE

From: "Michael J. Wolthuis" <wolthui3@msu.edu>
Date: Sun, 2 Jun 2002 15:28:00 -0400
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-82748-2002.06.02-15.03.57--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

All,
We have a local IGATE running WinAPRS and it appears it is converting (incorrectly) MIC-E packets and managling all of our D7s on FINDU. Is there a switch anywhere to turn off MIC-E conversion? If not, while small things are being fixed on new WinAPRS, can we get the Sprouls to add a switch to turn it off, the conversion should be done by the end programs, not the IGATES.

Mike
kb8zgl

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---

52. [aprssig] RE: GPS in high altitude balloon

From: Bob Bruninga <bruninga@usna.edu>
Date: Sun, 2 Jun 2002 16:15:11 -0400 (EDT)
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: TAPR APRS Special Interest Group <aprssig@lists.tapr.org>
Message-ID: <LYR842-82749-2002.06.02-15.51.16--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

On Sun, 2 Jun 2002, Mark Conner wrote:

> I have flown this model of GPS as high as 95,000 ft with no

> problems. I keep the unit inside the payload so it's not
> completely exposed to the outside air (which can be as low
> as -90F.

And paint it black and you can make it as hot as you want. Remember the sun is 100% up there and you can use it to get any average temp you want if you paint it the right color and use good thermal design.. There is no reason at all for balloon payloads to get cold...

We put ours inside a 2 qt plastic coke bottle and the temp only went UP from our April launch... 70 deg F launch.

de WB4APR< Bob

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---

53. [aprssig] Emergency messages

From: Steve Dimse <k4hg@tapr.org>
Date: Sun, 2 Jun 2002 17:00:40 -0400
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-82754-2002.06.02-16.36.46--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

I have a page up which I hope will show emergency beacons received. I know it will show converted Mic-E packets, and I'd like someone to with a D7/700 somewhere in an area where Mic-E are not converted to send one test beacon. I know this will trigger a few alarms, I'd suggest setting your callsign to TEST so there is no confusion. Before doing this, please be sure that your Mic-E packets are getting to findU without conversion, (use find.cgi to see that the raw packet is unreadable) and that no one else has gotten a packet through (look at the emergency page:

http://www.findu.com/cgi-bin/emergency.cgi

Remember the PEAPRS test period begins tomorrow...use the above cgi and/or the message cgi:

http://www.findu.com/cgi-bin/msg.cgi?WA2ZXS

Steve K4HG

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Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

---

54. [aprssig] Wx Bulletin Problem

From: "Eric Christensen, KF4OTN" <kf4otn@cox.net>
Date: Sun, 2 Jun 2002 17:02:33 -0400
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-82755-2002.06.02-16.39.00--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Anyone have any idea why I would get weather bullitens from the Wx Server on my TCP/IP only APRS Station and not on my RF/TCP-IP station? The are both monitoring the exact same APRS server.

Thanks,
Eric KF4OTN

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Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

---

55. [aprssig] Re: Emergency messages

From: Steve Dimse <k4hg@tapr.org>
Date: Sun, 2 Jun 2002 17:26:59 -0400
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: TAPR APRS Special Interest Group <aprssig@lists.tapr.org>

Message-ID: <LYR842-82758-2002.06.02-17.03.04--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

```
On 6/2/02 5:00 PM, k4hg@tapr.org (Steve Dimse) wrote:

>I have a page up which I hope will show emergency beacons received. I
>know it will show converted Mic-E packets, and I'd like someone to
>with a D7/700 somewhere in an area where Mic-E are not converted to
>send one test beacon.

No need for further testing, it doesn't work, and I don't have time to
work on it now, hopefully in the morning. In the meantime the page
will pick up the converted packets...

Steve K4HG

---
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Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org
```

56. [aprssig] Re: Emergency messages

From: "Spider" <spider@rivcom.net>
Date: Sun, 2 Jun 2002 14:46:57 -0700
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-82769-2002.06.02-17.23.07--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

```
I have my Igate set up to transmit the messages from WA2ZXS to the local RF
guys in my area when they happen.  I do not know if this is the right thing
to do, but I figure it will give the RF side of the house a chance to
respond as quickly as possible!

And can someone please repost the ARRL bulletin or send it to me...I lost it
(the bulletin that is...well, maybe!).

Jim, WA6OFT

----- Original Message -----
From: "Steve Dimse" <k4hg@tapr.org>
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Sent: Sunday, June 02, 2002 2:00 PM
Subject: [aprssig] Emergency messages



>
> Remember the PEAPRS test period begins tomorrow...use the above cgi
> and/or the message cgi:
>
> http://www.findu.com/cgi-bin/msg.cgi?WA2ZXS
>
> Steve K4HG
>





---
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Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org
```

57. [aprssig] Re: Wx Bulletin Problem

From: "Dick Stanich" <dick@kb7zva.com>
Date: Sun, 2 Jun 2002 17:18:51
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-82770-2002.06.02-17.55.00--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

```
On 06/02/02, ""Eric Christensen, KF4OTN" <kf4otn@cox.net>" wrote:
> Anyone have any idea why I would get weather bullitens from the Wx
> Server on my TCP/IP only APRS Station and not on my RF/TCP-IP
> station?  The are both monitoring the exact same APRS server.
>
> Thanks,
> Eric KF4OTN
```

KF4OTN-12>APK101,WIDE,WIDE:@022111z3534.80N/07718.96Wj161/000/Mic-E/M7/EMERGENCY!>
received 6/2/02 14:11:01

KF4OTN-12>353T8Q,WIDE,WIDE:'i.}l!Yj/]"4+}TEST ONLY received 6/2/02
14:11:01

KF4OTN-12,35.5802,-77.3162,161.0,0.0,Emergency received 6/2/02 14:11:01

Not sure, but your emergency bulletins seem to work :)

Dick, KB7ZVA
SouthWest Arizona APRS Group
http://kb7zva.com

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Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

---

58. [aprssig] Re: PEAPRS Drill

From: "Dick Stanich" <dick@kb7zva.com>
Date: Sun, 2 Jun 2002 17:32:49
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-82771-2002.06.02-18.08.56--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

On 05/26/02, "Bernie Kopp KB9KEF <bkopp@execpc.com>" wrote:
> Excerpt from: The ARRL Letter, Vol 21, No 21,
>
> =>PRECISION EMERGENCY AUTOMATED POSITION REPORTING SYSTEM TEST SET
>
> The Air Force Research Lab, Rome (New York) Research Site, will conduct
> an
> experiment using Amateur Radio operators as an auxiliary line of defense
> against aircraft disasters. The Precision Emergency Automated Position
> Reporting System (PEAPRS) test will be carried out in conjunction with
> the
> annual Team Patriot exercise. The ARRL is co-sponsoring the test.
>
> The test will consist of two aircraft flights sometime between June 3
> and
> June 8. During these flights the aircraft will transmit a distress
> message, using the call sign WA2ZXS. Amateurs wishing to participate in
> this exercise should, upon receipt of the distress message, send an
> e-mail
> message to peaprs@rl.af.mil detailing the time, characteristics of the
> message received and the method they used for reception (direct, via
> digipeater, via wide relay, Web, etc).
>
> Those lacking e-mail capability may participate by calling their
> observation info into the PEAPRS Command Center at 315-330-7444.
>
> The objective of this exercise will be to measure the timeliness and
> accuracy of the reports received from the amateur community. Amateurs
> that
> participate in this program will qualify for a special certificate from
> ARRL recognizing their participation.

Hope this helps. I too will be attempting re-broadcasts in our zone.

Dick, KB7ZVA
SouthWest Arizona APRS Group
http://kb7zva.com

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To unsubscribe send a blank email to leave-aprssig-842K@lists.tapr.org
Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

---

59. [aprssig] Re: Emergency messages

From: "Dick Stanich" <dick@kb7zva.com>
Date: Sun, 2 Jun 2002 17:41:16
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-82772-2002.06.02-18.17.24--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

On 05/26/02, "Bernie Kopp KB9KEF <bkopp@execpc.com>" wrote:
> Excerpt from: The ARRL Letter, Vol 21, No 21,
>

> =>PRECISION EMERGENCY AUTOMATED POSITION REPORTING SYSTEM TEST SET

The Air Force Research Lab, Rome (New York) Research Site, will conduct an experiment using Amateur Radio operators as an auxiliary line of defense against aircraft disasters. The Precision Emergency Automated Position Reporting System (PEAPRS) test will be carried out in conjunction with the annual Team Patriot exercise. The ARRL is co-sponsoring the test.

The test will consist of two aircraft flights sometime between June 3 and June 8. During these flights the aircraft will transmit a distress message, using the call sign WA2ZXS. Amateurs wishing to participate in this exercise should, upon receipt of the distress message, send an e-mail message to peaprs@rl.af.mil detailing the time, characteristics of the message received and the method they used for reception (direct, via digipeater, via wide relay, Web, etc).

Those lacking e-mail capability may participate by calling their observation info into the PEAPRS Command Center at 315-330-7444.

The objective of this exercise will be to measure the timeliness and accuracy of the reports received from the amateur community. Amateurs that participate in this program will qualify for a special certificate from ARRL recognizing their participation.

****

Hope this helps. I too will be attempting re-broadcasts in our zone.

Dick, KB7ZVA
SouthWest Arizona APRS Group
http://kb7zva.com

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60. [aprssig] Re: Rushing to meet pressure.

From: k9soa@att.net
Date: Sun, 02 Jun 2002 22:43:19 +0000
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-82773-2002.06.02-18.19.35--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

I have only been into APRS for the last 6 months. First thing I did was buy WINAPRS, AGWPE, UI-VIEW, Weather Display. Still have not installed WINAPRS.

I don't mind spending the $ as long as it works.

You should expect more from priced software than from freeware but that is not always true. But I still expect it to work and get support. That is why you buy. It provides the assumption that it works and is supported. Lots of problems and lack of support is a scam.

You don't need to be a ham to gripe. Just a purchaser of the product.

--
Don

www.k9soa.net (EM77EW)

Home of "JEANNIE"
The House That Listens
Using HAL2000 by Home Automated
Living
Seen on HGTV's Dream Builder show

Featured Home of the Month
Home Automation Magazine March 2002

> Wonderful discussion (sarsasm).....
>
> Just proves the old adage about what they say about hams......gripe,
> gripe, gripe....
>

> You don't like (WinAPRS) the program? Don't buy it, don't "steal" it,
> don't use it....
>
> (Interestingly enough, $60USD is about $100CAD up here, yet a lot of
> Canadian HAMS purchased it.)
>
> I don't think $60USD is unreasonable considering the bulk of HAMS on
> this list are also owners of much more expensive hobby items, such as:
>
> TNCs, Desktop Computers, Laptop computers, power supplies, feedline,
> HTs, Mobile radios, base radios, antennas, Tigertrackers, GPSes, etc.
> How much do you think all of this stuff costs? A heck of a lot more than
> $60....
>
> I've had the program since 1997-1998, I still can't remember the last
> time I purchased software and continued to receive software updates for
> 4+ years.
>
> Furthermore, while more APRS (software) alternatives exist today, there
> weren't that many choices years ago. APRS has advanced a long way in a
> relatively short period of time, due in a large part to the WinAPRS
> (MacAPRS) software which helped bring this facet of the hobby a lot more
> exposure.
>
> How about a little gratitude, folks.....
>
> Tino, VE6SZR
> Calgary, Alberta
>
> ---
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> To unsubscribe send a blank email to leave-aprssig-842K@lists.tapr.org
> Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org
>

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Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

61. [aprssig] Re: Rushing to meet pressure.

From: Robbie Robertson <mwrobertson@attbi.com>
Date: Sun, 02 Jun 2002 18:11:45 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: TAPR APRS Special Interest Group <aprssig@lists.tapr.org>
Message-ID: <LYR842-82776-2002.06.02-18.47.18--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Hi Don,

Too bad you feel that way.. I have had 2.61 running
flawlessly for 48 hours on an AMD 200, Win2000, and all the
bugs mentioned were taken care of in the first 24 hours,
(maybe sooner, was not timing it!), leaving only one issue
unresolved. That is the "Square" window needed for now to
place positions correctly. I'm confident Mark will get that
resolved when time allows!

In the meantime, I for one am enjoying the fruits of their
endeavors! Lets move on...

Robbie

k9soa@att.net wrote:
>
> I have only been into APRS for the last 6 months. First
> thing I did was buy WINAPRS, AGWPE, UI-VIEW, Weather
> Display. Still have not installed WINAPRS.
>
> I don't mind spending the $ as long as it works.
>
> You should expect more from priced software than from
> freeware but that is not always true. But I still
> expect it to work and get support. That is why you
> buy. It provides the assumption that it works and is
> supported. Lots of problems and lack of support is a
> scam.
>
> You don't need to be a ham to gripe. Just a purchaser

> of the product.
>
> --
> Don
>
>
--

- Robbie Robertson -
...-.- wa9inf ...-.-

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---

62. [aprssig] APRS Maps

From: "David Thege" <dthege@ncfcomm.com>
Date: Sun, 2 Jun 2002 19:44:18
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-82789-2002.06.02-20.20.22--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

I just started playing with APRS programs. I have APRSDos851 and would like
to know what map programs/formats this supports. I'm looking for a street
level map. Also what maps does Winaprs use. Dave N0XBN

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To unsubscribe send a blank email to leave-aprssig-842K@lists.tapr.org
Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

---

63. [aprssig] APRS HF?

From: "R. Harrison" <rh3x@erols.com>
Date: Sun, 2 Jun 2002 21:27:41 -0400
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-82799-2002.06.02-21.04.07--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Just getting back into APRS.   Is there any HF APRS activity besides 10.151?

Thanks
de Rich/N2JR

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To unsubscribe send a blank email to leave-aprssig-842K@lists.tapr.org
Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

---

64. [aprssig] Re: APRS Maps

From: "Spider" <spider@rivcom.net>
Date: Sun, 2 Jun 2002 18:43:41 -0700
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-82801-2002.06.02-21.19.56--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

----- Original Message -----
From: "David Thege" <dthege@ncfcomm.com>
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Sent: Sunday, June 02, 2002 7:44 PM
Subject: [aprssig] APRS Maps

> I just started playing with APRS programs. I have APRSDos851 and would
like
> to know what map programs/formats this supports. I'm looking for a street
> level map. Also what maps does Winaprs use. Dave N0XBN

I can not speak for all the maps out there however, WinAPRS V 2.6.1, which
was just released allows use of
Precision Maps v5.0 and it is pretty nice down to street level. There are a
few bugs but nothing major with the release.
There are quite a few maps out there.

Jim, wa6oft

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Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

65. [aprssig] APRS HF?; Try 14.105.5LSB

From: wa4tkg@attbi.com
Date: Mon, 03 Jun 2002 02:50:43 +0000
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: aprssig@lists.tapr.org (APRS SIG)
Message-ID: <LYR842-82803-2002.06.02-22.26.49--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Nope; Not Really.
It's kinda' pathetic; if you ask me.
It's not like 10.151.5 is a HOTBED of DX.
20M is MUCH better for good APRS DX.
You will see a LOT of Europe; all over,
if you stay on most of the early/late
afternoon....if the band is OPEN; you will see
posts quite often, but NO ONE from N America!
" Go Figure ".

> Is there any HF APRS activity besides 10.151?

;Rich/N2JR

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66. [aprssig] WinAPRS 2.6.1 Terminating Thread

From: Ray Vaughan <ray@rayvaughan.com>
Date: Sun, 02 Jun 2002 23:36:12 -0400
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-82807-2002.06.02-23.15.38--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

I had hoped this one was going to be fixed after so much repair time.   After less than a day of running 2.6.1, I have greeting me:

one window of: "Main Application appears to have died Terminating Thread"
4 windows of: "Insufficient pointer space, please inform authors (NewPtrClear)"

I think I'm connected to the same Internet as the authors, so I'm confused why they're not seeing this. How many days of uninterrupted operation will there be before a version is considered safe for distribution?

Ray J. Vaughan, MS, CBTE, CERT
KD4BBM PG-7-15266
ray@rayvaughan.com
http://www.rayvaughan.com/
§97.1(c)-(d)

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67. [aprssig] KPC-3 Resetting

From: David L Norris <kg9ae@webaugur.com>
Date: 02 Jun 2002 23:48:27 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-82820-2002.06.03-00.24.38--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

I'm having trouble keeping a KPC-3 in converse mode. Every few (5-10) seconds of operation it will display the version info and drop to a cmd: prompt. This is a recent occurrence. It ran fine for quite a long time but has been disconnected for a few months. It's not resetting as a result of RF; the transmitter is disabled.

```
Does anyone have any idea what would cause this behavior?

--
 David Norris, ARS: KG9AE
  KG9AE's Web - http://www.webaugur.com/dave/kg9ae/
  ICQ - 412039

---
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Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org
```

68. [aprssig] Re: KPC-3 Resetting

From: "Jason Rausch" <ke4nyv@msn.com>
Date: Sun, 2 Jun 2002 23:54:16
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-82821-2002.06.03-00.30.29--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

```
Mine started to do this when the back-up battery went bad.  I did'nt think
it would affect the TNC's opperation due to the fact that it's there to
BACKUP information when turned off.  But, I replaced it and my KPC-3 has
worked fine ever since.
Hope that helps,
73's
Jason KE4NYV
www.ke4nyv.com

---
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Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org
```

69. [aprssig] Re: KPC-3 Resetting

From: "Jason Rausch" <ke4nyv@msn.com>
Date: Sun, 2 Jun 2002 23:56:19
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-82824-2002.06.03-00.32.56--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

```
I forgot, I also had this problem when I had a problem with the TX line
feeding back into the RTS line.  That caused the TNC to do all kinds of
crazy stuff., not just reset.
73's
Jason KE4NYV
www.ke4nyv.com

---
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Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org
```

70. [aprssig] Re: APRS HF?; Try 14.105.5LSB

From: WA8LMF2@aol.com
Date: Mon, 3 Jun 2002 01:19:28 EDT
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: aprssig@lists.tapr.org
Message-ID: <LYR842-82830-2002.06.03-00.55.44--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

```
In a message dated 6/2/02 7:52:06 PM Pacific Daylight Time, wa4tkg@attbi.com
writes:

> Nope; Not Really.
>  It's kinda' pathetic; if you ask me.
>  It's not like 10.151.5 is a HOTBED of DX.
>  20M is MUCH better for good APRS DX.

I don't think most people using HF APRS (at least in the US!) are trying to
set DX records.  They are trying to get their posits into FINDU from remote
areas where there is no 2-meter coverage.  For this purpose, 30M is
excellent, providing coverage of half of North America (or more) around the
clock, ensuring you will always hit several IGATES or HF-VHF gateways
anywhere, anytime.

Stephen H. Smith                    wa8lmf @ aol.com
Home Page:
http://members.aol.com/wa8lmf
Ham Radio/Mobile SSTV page:     http://members.aol.com/wa8lmf/ham
```

```
APRS Stuff
http://members.aol.com/wa8lmf/aprs
-------------------------------------------------------------------------------

----------
|    Radio Communications Systems       Personal Computers
|                 Consulting and Systems Integration
|    GPS Custom Mapping    &     Radio Coverage Surveys
|    File Conversions       MS-Windows Setups       VISCII Fonts
-------------------------------------------------------------------------------

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Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org
```

71. [aprssig] Re: KPC-3 Resetting

From: David L Norris <dave@webaugur.com>
Date: 03 Jun 2002 00:46:04 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-82835-2002.06.03-01.22.14--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

```
Thanks to all who replied!  Doing a hard reset, as suggested by Paul
K4FB, fixed the problem.

--
 David Norris
  Dave's Web - http://www.webaugur.com/dave/
  Augury Net - http://augur.homeip.net/
  ICQ - 412039


---
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Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org
```

72. [aprssig] Subject: Kenwood D700 Programming Software and Windows XP

From: "G. Alfonso Gregg" <gregw1gre@yahoo.com>
Date: Mon, 3 Jun 2002 03:19:14 -0700 (PDT)
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-82869-2002.06.03-05.55.22--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

```
I'm useing Windows XP professional with no problems with my Kenwood D700 software.


G.Alfonso Gregg http://map.findu.com/w1gre

http://www.findu.com/cgi-bin/near.cgi?call=w1gre






---------------------------------
Do You Yahoo!?
Yahoo! - Official partner of 2002 FIFA World Cup
```

73. [aprssig] Re: APRS HF?; Try 14.105.5LSB

From: "Ronald Reams" <wa4mjf@worldnet.att.net>
Date: Mon, 3 Jun 2002 06:19:28 -0400
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-82870-2002.06.03-05.55.39--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

```
Becasue in N America that freq is used
for Network 105.

73 de Ronnie


----- Original Message -----
From: <wa4tkg@attbi.com>
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
```

Cc: "APRS SIG" <aprssig@lists.tapr.org>
Sent: Sunday, June 02, 2002 22:50
Subject: [aprssig] APRS HF?; Try 14.105.5LSB

Nope; Not Really.
It's kinda' pathetic; if you ask me.
It's not like 10.151.5 is a HOTBED of DX.
20M is MUCH better for good APRS DX.
You will see a LOT of Europe; all over,
if you stay on most of the early/late
afternoon....if the band is OPEN; you will see
posts quite often, but NO ONE from N America!
" Go Figure ".

> Is there any HF APRS activity besides 10.151?

;Rich/N2JR

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Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

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Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

---

74. [aprssig] Re: Rushing to meet pressure....

From: "Mike Yetsko" <myetsko@insydesw.com>
Date: Mon, 3 Jun 2002 09:34:53 -0400
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-82908-2002.06.03-09.13.04--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

I've been watching this thread with interest. And I think some people
miss
the key point.

Customers paid for the software.

I really don't care why the author did it. I don't care what the problems
are.
I don't care if the only profit they make they only use to go to shows.

Someone paid them for a product.

If the reasons WHY someone collects money was part of the deal, then
that really has to be up front and PRIMARY to why the customer is paying,
otherwise it doesn't really matter.

Someone raised the issue of price. If price matters, then I can show you
software that is INCREDIBLE for a mere $35. I can also show you
software that is TERRIBLE for thousands of dollars.

It all comes back to a customer PAID for a product, and a vendor
elected to take that money.

Now it comes down to the relationship that vendor wants to have with
the customers. And how the customers feel about that relationship.

If they want to complain, or even take more pro-active steps about support
or lack of it, then they have every right to do so. If the vendor wants
to
keep the customers happy, then they have every right to do that. The
vendor has selected the relationship to the customer.

But PLEASE don't lay the BS on everybody that it's a 'noble effort' or
that
the profits only go to trips or other 'noble' purposes. I'm sorry, that's
just
fluff.

Mike

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Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

75. [aprssig] Re: APRS Maps

From: Bob Bruninga <bruninga@usna.edu>
Date: Mon, 3 Jun 2002 10:14:25 -0400 (EDT)
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: TAPR APRS Special Interest Group <aprssig@lists.tapr.org>
Message-ID: <LYR842-82912-2002.06.03-09.50.41--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

On Sun, 2 Jun 2002, David Thege wrote:

> I just started playing with APRS programs. I have APRSDos851 and would like
> to know what map programs/formats this supports. I'm looking for a street
> level map. Also what maps does Winaprs use. Dave N0XBN

Where on the planet are you located.
Then I can suggest the APRSdos map distribution you need.

bob

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Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

76. [aprssig] Re: Rushing to meet pressure....

From: Steve Dimse <k4hg@tapr.org>
Date: Mon, 3 Jun 2002 10:53:56 -0400
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-82918-2002.06.03-10.30.26--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

On 6/3/02 9:34 AM, myetsko@insydesw.com (Mike Yetsko) wrote:

>I've been watching this thread with interest. And I think some
>people miss the key point.
>
>Customers paid for the software.
>

I think other people miss the real key point.

Customers paid next to nothing, in terms of commercial software, for
the product, and have gotten years of free updates.

>If the reasons WHY someone collects money was part of the deal, then
>that really has to be up front and PRIMARY to why the customer is
>paying, otherwise it doesn't really matter.
>
>Someone raised the issue of price. If price matters, then I can
>show you software that is INCREDIBLE for a mere $35. I can also
>show you software that is TERRIBLE for thousands of dollars.
>

Sure, and the $35 software is an incredible bargin and the thousand
dollar software an incredible rip-off. Both exist in the world, but
for the most part, you get what you pay for. You certainly shouldn't
expect every $35 software package to be incredible. For every one of
those you can show me, I can show you a thousand that aren't.

>It all comes back to a customer PAID for a product, and a vendor
>elected to take that money.
>

Sorry, I couldn't disagree more. If I pay the neighborhood boy $10 to
cut my lawn, I shouldn't expect the same quality as if I pay a
professional landscaping company $200. That's not poor customer
relations on the part of the boy, that is just common sense on the
part of the customer.

The Sprouls never promised perfect software, even Microsoft wouldn't do that. Everyone had a chance to try WinAPRS before they paid their money, and everyone had the option to use it forever without paying, the only crippled features are saving preferences and IGating. The rest was, and still is, free.

What you paid for was the convenience of not re-entering your info every time, and to support ongoing development. Not for perfect software. Stop expecting that!

Whining like this thread is exactly the reason I won't charge for ham software...not because my stuff isn't worth it, not because I wouldn't like some extra money, but because some people think once they lay a few dollars on the table they are entitled to hours of time, and that just isn't right.

Fifteen years ago I wrote a line of patch editor-librarians, marketed under by Valhala in Michigan. Musicians as a group are much poorer than hams, but far less cheap. I did not have this problem dealing with them, and sold thousands of copies. After that, I wrote a shareware hurricane tracking program for the Mac, and never had a problem there either. Those programs weren't perfect, far from it, and neither was my customer support. However, those customers did have realistic expectations. For whatever reason, many hams lack realistic expectations.

At times the character of some hams makes me want to throw in the towel, as I'm sure this thread does to the Sprouls. What keeps me going in those times are my logs...I look at the thousands of users of my software that are silently appreciative, as well as the many nice emails I receive, and I remember that those are the people I'd be hurting. I hope Keith and Mark do the same here and not let the opinions of a few people drive them away...

Steve K4HG

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---

77. [aprssig] Re: Rushing to meet pressure....

From: "Tim Cunningham" <tim_cunningham@mindspring.com>
Date: Mon, 3 Jun 2002 10:01:22 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-82920-2002.06.03-10.39.27--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Nobody missed the point. Yet, everybody missed the point.

The bottom line is you have the right to do anything you want, but you should also be reasonable in your expectations. When you exercised your right to register your software, you agreed it was worth the money expended. If you did not exercise your right to test it out, then why are you blaming and criticizing the Author. You did not buy lifetime support for the software. You simply registered what you got and agreed it was worth the registration fee if you paid it. Who do you blame for this?

The software Authors have to be incredible people taking the abuse and yet they continue to fix software and add enhancements at no additional cost to the end user. My calculator works well and I would estimate that most of the software Authors are lucky if they break even to cover their expenses and their time based on the number of APRS stations on the air. Why do they do it? Obviously, they love their hobby. Why not try to encourage and thank them for their continued support of the software that you receive for free.

My hat if off to all the software Authors for their dedication to the hobby.

Tim - N8DEU
Huntsville, AL

```
> ----- Original Message -----
> From: "Mike Yetsko" <myetsko@insydesw.com>
> To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
> Sent: Monday, June 03, 2002 8:34 AM
> Subject: [aprssig] Re: Rushing to meet pressure....
>
>
> > I've been watching this thread with interest.  And I think some people
> > miss
> > the key point.
> >
> > Customers paid for the software.
> >
> > I really don't care why the author did it.  I don't care what the
problems
> > are.
> > I don't care if the only profit they make they only use to go to shows.
> >
> > Someone paid them for a product.



---
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```

78. [aprssig] Re: Rushing to meet pressure....

From: Terry Bendell <ve3tkb@sympatico.ca>
Date: Mon, 03 Jun 2002 11:18:07 -0400
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: <aprssig@lists.tapr.org>
Message-ID: <LYR842-82925-2002.06.03-10.54.09--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

```
Hi Steve,

Just a comment and clarification.

Firstly nobody speaks my mind for me -- except me.

You and I cannot possibly assign value/worth to anything for another party.
That is a personal decision based on mitigating factors
to THE END USER. In essence, value is in the eye of the
beholder.

Nobody is putting the Sprouls down, certainly not me,
As a consumer, No matter the price  the ability to critique
and praise is an inherent right in a democracy.

My Beef is solely with those who would seek to
silence the voices of opinion and thought.

Nobody BUT Nobody has questioned the SPROULS hard work
and dedication to the Amateur Radio Software BUSINESS
they have BUILT.

Your Opinion is yours, just as mine is mine.

My opinion is that if you pay for something you have a RIGHT
to voice your opinion regardless of the VALUE the software
VENDOR assigns to the PRODUCT.

 I trust that you understand my position even though
you may disagree with it.


Peace and 73

 Terry


---
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```

79. [aprssig] Re: Rushing to meet pressure....

From: Steve Hammond <1hammond@bellsouth.net>
Date: Mon, 3 Jun 2002 11:31:34 -0400
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-82930-2002.06.03-11.07.47--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

You can either be part of the solution and give constructive feedback or you can be part of the problem and sit around and bitch about it.

Either way, enough is enough.

It's time to kill this thread.

Steve Hammond/K4SAH

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---

80. [aprssig] Bug in Peet Brothers U2K firmware - Packet Mode only

From: Richard Parry <rparry@actionware.sdcoxmail.com>
Date: Mon, 03 Jun 2002 08:34:25 -0700
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-82932-2002.06.03-11.10.40--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

About 3 months ago I purchased a Peet Bros weather station. It did not work as I expected in the Packet Mode. It showed NORTH almost continuously. I "assumed" it was my ignorance of the unit and switched to the Data Logging mode for my application.

After gaining some confidence over a period of 2 months, I gave the Packet Mode another try, it still showed north almost constantly. I called Peet Bros. and found they were familiar with the problem and were aware of it. The problem only affected the Packet Mode. They were very nice and agreed to send a replacement.

If you are not sure if you have the problem, I am sure you don't because it is very so obvious. Peet Bros. tells me that the wind direction fields were not updating only in the packet mode, so in my case the wind direction was virtually always north.

I mention this in case there are folks out there that noticed this. I mentioned the problem here on the list a few times and no one said they saw the same problem, so I assume that it is just me.

later,
Rich Parry

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---

81. [aprssig] Re: Rushing to meet pressure....

From: Terry Bendell <ve3tkb@sympatico.ca>
Date: Mon, 03 Jun 2002 11:48:06 -0400
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-82935-2002.06.03-11.24.05--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

In many circles "Peer Review" is considered to be
"Constructive Feedback". Such is the scientific principal.

73

Terry

on 6/3/02 11:31 AM, Steve Hammond at 1hammond@bellsouth.net wrote:

> You can either be part of the solution and give constructive feedback or you
> can be part of the problem and sit around and bitch about it.
>

```
> Either way, enough is enough.
>
> It's time to kill this thread.
>
> Steve Hammond/K4SAH
>
>
> ---
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>



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```

---

82. [aprssig] Antenna COnnectors ARGH!

From: Bob Bruninga <bruninga@usna.edu>
Date: Mon, 3 Jun 2002 12:24:25 -0400 (EDT)
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: TAPR APRS SIG <aprssig@lists.tapr.org>
Message-ID: <LYR842-82941-2002.06.03-12.00.39--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

```
Over the years I have had occassionaly intermittant handheld satellite
comms during spur-of-the-moment demos.  But on bench testing, sometimes I
can reproduce the bad connetion, sometimes not.  Always suspecting it was
in my connectors, I re-did them a number of times.  But sooner or later it
happened again.  Like today.

This time I was determined to figure out what was going on and
narrowed it down to the right-angle SMA going into my TH-F6.
Then i measured carefully how far down an SMA would have to go
to be get everything flush and realized that because of my
frequent antenna changing, I was never really torquing down on
the SMA, but only twirlling it on until finger tight.

Duh.. today I realized that is only the point where the
concentric grounds (and center pin) BEGIN to make contact.  It is
a full almost 1/8 inch beyond that that is necessary to fully
mate the connectors...  Sure enough,  If I continue to torque the
connector, it goes another 2.5 turns!

That has been my problem all along.  This was my first time using the
TH-F6 and so the conector was new and so the fit was tight at first.  So
what was "finger tight" and OK on my TH-D7 (well worn connector) was
stopping way short on the new copnnector.  This also expalins why the
problem also aleays seems to fix itself.  When the connector wears down a
bit, then "finger tight" is a different ballgame than before...

ANyway, for what its worth..
Bob



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83. [aprssig] Re: Rushing to meet pressure....

From: "Brian Webster" <radiowebst@yahoo.com>
Date: Mon, 3 Jun 2002 13:39:17 -0400
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-82957-2002.06.03-13.07.24--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

```
Well all I can say is that after watching all of the commercial attempts at
AVL and the costs associated with them, I have been a very happy consumer of
WINAPRS and was glad to pay the price for the version I registered with the
known bugs at the time. The fact that I get all of the updates for free is
just a bonus. I just want to say thanks to the brothers Sproul for their
work! I am happy to help them troubleshoot the software and do my little
part to advance our hobby and this particular mode.

Thanks again for your product and it's continued development.
```

Brian, N2KGC

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84. [aprssig] Re: Rushing to meet pressure....

From: "hasan schiers" <schiers@netins.net>
Date: Mon, 3 Jun 2002 13:08:14 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-82962-2002.06.03-13.44.26--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

I would like to thank:

1. Brent Hildebrand for APRS+SA. A solid workhorse, does everything but massage, built like a tank and runs error free for months, even as an Igate. A+++ customer support.

2. The Bros. Sproul for WinAPRS. Fast, low resource requirements, easy to configure. Lots of zany new ideas.

3. Mike Musick for pocketAPRs. Brilliant little implementation for the Palms. Amazing.

4. Bob Bruninga for dosAPRS, which got this whole thing started and still plugs along doing it's job. Lots of zany new ideas.

(listing only those programs which I have personally registered)

All of them at various times have bugs. (Although trying to find them in APRS+SA is a challenge) Each author has his own approach. Brian's stuff comes out very well tested, even his interim releases.

It pays to know what you are getting into before paying the reg fee. There are several considerations:

1. Software capability/features/platform
2. Reliability
3. Customer Support
4. Cost.

I have my own expectations for each of the criteria as I apply them to software. The fact is, each of the authors has a "mix" in how they measure up in the four areas. The purchaser needs to sample the installed user base to find out what the general opinion of the software is.

This leads to some pretty strong language that may be a bit over the top. In the end, users vote with their headers. I note that typically the first 15 to 20 Igate leaders in messages handled seem to all be running APRS+SA. There are obvious reasons for this, some of which are a function of the incredible reliability of APRS+SA, and another factor is WinAPRS resets it's count every time it gets shut down and restarted. I also note that the installed user base of WinAPRS is the vast majority. There are obvious reasons for that as well.

Bottom line:

There's a LOT of really good software out there for APRS. We need to communicate to the authors what we think directly, and make observations that are courteous and fair-minded when doing it in public. Some of it MUST be done in public. Without it, users can't tell what is really going on, and sometimes the authors priorities are not shifted until a major problem is openly discussed by a multitude of users.

Users need to use a little restraint and authors need to exercise patience and not take things too personally. I'm sure it's not easy for any of us. We just need to find the right balance between raving critics and gushing sycophants as users.

73,

...hasan

----- Original Message -----
From: "Brian Webster" <radiowebst@yahoo.com>
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Sent: Monday, June 03, 2002 12:39 PM
Subject: [aprssig] Re: Rushing to meet pressure....

>
> Well all I can say is that after watching all of the commercial attempts
at
> AVL and the costs associated with them, I have been a very happy consumer
of
> WINAPRS and was glad to pay the price for the version I registered with
the
> known bugs at the time. The fact that I get all of the updates for free is
> just a bonus. I just want to say thanks to the brothers Sproul for their
> work! I am happy to help them troubleshoot the software and do my little
> part to advance our hobby and this particular mode.
>
> Thanks again for your product and it's continued development.
>
> Brian, N2KGC
>
>
>
>
>
> ---
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---

85. [aprssig] Re: Rushing to meet pressure....

From: Terry Bendell <ve3tkb@sympatico.ca>
Date: Mon, 03 Jun 2002 14:11:02 -0400
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-82963-2002.06.03-13.47.20--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

No doubt,

WINAPRS and MACAPRS are a good package.
The Sprouls do their best as they can.

73

Terry

on 6/3/02 1:39 PM, Brian Webster at radiowebst@yahoo.com wrote:

>
> Well all I can say is that after watching all of the commercial attempts at
> AVL and the costs associated with them, I have been a very happy consumer of
> WINAPRS and was glad to pay the price for the version I registered with the
> known bugs at the time. The fact that I get all of the updates for free is
> just a bonus. I just want to say thanks to the brothers Sproul for their
> work! I am happy to help them troubleshoot the software and do my little
> part to advance our hobby and this particular mode.
>
> Thanks again for your product and it's continued development.
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> Brian, N2KGC
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86. [aprssig] Re: Rushing to meet pressure....

From: "Tim Cunningham" <tim_cunningham@mindspring.com>
Date: Mon, 3 Jun 2002 13:44:16 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-82970-2002.06.03-14.22.35--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

> 1. Brent Hildebrand for APRS+SA. A solid workhorse, does everything but
> massage, built like a tank and runs error free for months, even as an
Igate.
> A+++ customer support.

Our local IGate running APRS+SA under Windows 95B on a IBM P166
computer was up for over 150 days of continuous operation until this past
weekend. There are only few things that take it off the air. Mother nature,
the power company (when the UPS runs out of juice), and when we upgrade
the software like this past weekend. 150 days of uptime at N8DEU-4 was
very good, but we just had to upgrade the software to change the IP service
this past weekend and restart the cycle. May it run until a new update
arrives
that we cannot resist to load...

Tim - N8DEU
Huntsville, AL

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87. [aprssig] Re: Rushing to meet pressure....

From: "Germino" <mgermino@inreach.com>
Date: Mon, 3 Jun 2002 11:44:04 -0700
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-82972-2002.06.03-14.26.10--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Time to move on. All of the arguments have been heard and my mind hasn't
been changed. I haven't joined in the fray because, I knew my thoughts
would be expressed at some time. It was. Again and again.

What's my thoughts? Doesn't matter, they have already been expressed.

Mike
73, AD6AA

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---

88. [aprssig] WinAPRS 2.6.1 - Objects & TCPIP

From: "Jim Gill N0RMO" <n0rmo@jgav.com>
Date: Mon, 3 Jun 2002 16:32:42 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-82985-2002.06.03-17.10.16--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

I'm trying to enter an object for a Fire in CO. I've named it, set the
right coordinates, set it as active, and I have my position report rate for
VHF and TCPIP at 30 minutes. When I hit OK after entering the object, it
goes out over local RF but it won't send over TPCIP (it never shows up in
the history list as sent to TCP) and I am connected through AFilter to

AHUBCA - my positions and status packets are getting there. This is what I see in my History list:

```
>xmit To HF >IRON     *032123z3821.40N/10527.40W: Iron Mtn Fire 6400 Acres
>xmit To VHF>IRON     *032123z3821.40N/10527.40W: Iron Mtn Fire 6400 Acres
```

It shows HF and VHF but not TCP. Also, I've noticed other objects on the APRS-IS stream have a ; (semicolon) before the object name, but mine never does. I think that has to do with third party traffic?

Anyway, even though my object is getting digipeated locally, it doesn't have a position on FindU and won't show. Other objects in that area are showing on the stream and FindU just fine.

Any help? Thanks-

{winaprs 2.6.1, W2KPro, AFilter 2.6.9}

Jim N0RMO
Omaha, NE

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89. [aprssig] RE: WinAPRS 2.6.1 - Objects & TCPIP

From: "Jim Gill N0RMO" <n0rmo@jgav.com>
Date: Mon, 3 Jun 2002 16:38:20 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-82986-2002.06.03-17.15.43--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

>>and I have my position report rate for VHF and TCPIP at 30 minutes.

I should have clarified, my OBJECT report rate for HF VHF and TCPIP are all at 30 minutes.

Jim N0RMO
Omaha, NE

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Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

90. [aprssig] APRS Maritime Maps

From: "Eric H. Christensen" <kf4otn@cox.net>
Date: Mon, 3 Jun 2002 17:5:42
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-82988-2002.06.03-17.41.50--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Anyone know a place to find maritime maps for WinAPRS?

Tnx,
Eric KF4OTN

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91. [aprssig] RE: WinAPRS 2.6.1 - Objects & TCPIP

From: Bob Bruninga <bruninga@usna.edu>
Date: Mon, 3 Jun 2002 19:01:37 -0400 (EDT)
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: TAPR APRS Special Interest Group <aprssig@lists.tapr.org>
Message-ID: <LYR842-82994-2002.06.03-18.37.54--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

On Mon, 3 Jun 2002, Jim Gill N0RMO wrote:

> I should have clarified, my OBJECT report rate for HF VHF and TCPIP are all
> at 30 minutes.

I hope this is a variable rate? If someone is putting urgent data onto
APRS it should go out immediately with a few repetitions. The last thing
we want is for an urgent object to collilde once, and then never be seen
by anyone for the next 30 minutes...

SImilarly we dont want each person to have to set a 1 minute rate
initially, and then forget about it... and saturate the network during a
crisis with adnausium old data...

Please telll me the vairable dedaying rate is automatic?

Bob, WB4APR

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---

92. [aprssig] RE: WinAPRS 2.6.1 - Objects & TCPIP

From: "Jim Gill N0RMO" <n0rmo@jgav.com>
Date: Mon, 3 Jun 2002 18:08:12 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-82997-2002.06.03-18.45.55--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Bob,

Yes, it is variable, you can enter the specific amount of minutes you want.
See http://www.jgav.com/ham/images/tx-rate.jpg for a screen shot of the
WinAPRS 2.6.1 position report rate dialog. I don't think the rate decays,
though, I believe it is fixed at the rate you enter.

Jim N0RMO
Omaha, NE

-----Original Message-----
From: Bob Bruninga [mailto:bruninga@usna.edu]
Sent: Monday, June 03, 2002 6:02 PM
To: Jim Gill N0RMO
Cc: TAPR APRS Special Interest Group
Subject: Re: [aprssig] RE: WinAPRS 2.6.1 - Objects & TCPIP

On Mon, 3 Jun 2002, Jim Gill N0RMO wrote:

> I should have clarified, my OBJECT report rate for HF VHF and TCPIP are
all
> at 30 minutes.

I hope this is a variable rate? If someone is putting urgent data onto
APRS it should go out immediately with a few repetitions. The last thing
we want is for an urgent object to collilde once, and then never be seen
by anyone for the next 30 minutes...

SImilarly we dont want each person to have to set a 1 minute rate
initially, and then forget about it... and saturate the network during a
crisis with adnausium old data...

Please telll me the vairable dedaying rate is automatic?

Bob, WB4APR

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---

93. [aprssig] RE: WinAPRS 2.6.1 - Objects & TCPIP

From: Bob Bruninga <bruninga@usna.edu>
Date: Mon, 3 Jun 2002 19:23:38 -0400 (EDT)
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: TAPR APRS Special Interest Group <aprssig@lists.tapr.org>

Message-ID: <LYR842-83005-2002.06.03-18.59.51--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

```
On Mon, 3 Jun 2002, Jim Gill N0RMO wrote about OBJECT timing:

> Yes, it is variable, you can enter the specific amount of minutes you want.
> See http://www.jgav.com/ham/images/tx-rate.jpg for a screen shot of the
> WinAPRS 2.6.1 position report rate dialog.  I don't think the rate decays,
> though, I believe it is fixed at the rate you enter.

Thanks.  Then that is not what I meant by variable.  APRS was designed to
account for new data more frequently than old data.  New data has to be
sent often enough to assure that everyone gets the new data quickly, but
that old data is phased out of the system.

In APRSdos, a new object (or any new packet) is sent immediately, then 16
seconds later, then 30, then 60, then 2 mins, then 4 mins, then 8, then 16
before it finally gets down to the 30 minute rate.  This assures that
every one gets it fast, and yet in only a few minutes it is no longer
bothering the network, while still making sure that latecomers get a copy
eventually.

I hope everyone can see that sending any kind of real-time object at once
every 30 minutes on a busy APRS channel where things are lost by
collisions will have significant problems in updating everyone.  And
similarly if the user has to remember to change from a HIGH rate to a low
rate manually, that again, this will lead to big problems under stress.

If a program cannot do decaying, then maybe an automatic send once a
minute for 5 minutes and then drop to the 30 minute rate...?

Bob

> I hope this is a variable rate?  If someone is putting urgent data onto
> APRS it should go out immediately with a few repetitions.  The last thing
> we want is for an urgent object to collilde once, and then never be seen
> by anyone for the next 30 minutes...
>
> SImilarly we dont want each person to have to set a 1 minute rate
> initially, and then forget about it... and saturate the network during a
> crisis with adnausium old data...
>
> Please tell me the vairable decaying rate is automatic?
>
> Bob, WB4APR


---
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```

94. [aprssig] RE: WinAPRS 2.6.1 - Objects & TCPIP

From: "Jim Gill N0RMO" <n0rmo@jgav.com>
Date: Mon, 3 Jun 2002 18:27:38 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-83006-2002.06.03-19.05.07--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

```
A followup on my Fire object scenario: a snippet from my History file
again - Winaprs 2.6.1:

>xmit To TCP>FIRECO602*032256z3821.40N/10527.40W: Iron Mtn Fire 6400 Acres
KC5MVZ-4>APRS,KC5MVZ-2*,WIDE4-3:!3339.48NN10114.30W#PHG9230 LACC WEATHER
TRACKER DIGI
WD4BIS-3>3RUS6R,WIDE3-2:`|>}m+fj/"5X}TinyTrakII TWTC Company Truck
N0RMO>APW261,TCPIP*:FIRECO602*032256z3821.40N/10527.40W: Iron Mtn Fire 6400
Acres

Apparently WinAPRS *will* send the object out at the specified interval (I
changed mine from 30 mins. - the recommended by Winaprs - to 10 minutes),
but it won't send it out via TCP "on demand" (Settings>TNC Commands>Send
Objects). It only sends TCPIP on its interval.  Or so it looks here (changed
the object name due to a suggestion from another list member).

BUT, it is still not showing on FindU.  I assume it still needs another
character of some sort after the first Colon.

Someone was curious how objects are entered in WinAPRS - an entry/edit
dialog box screenshot is at: http://www.jgav.com/ham/images/object-edit.jpg
```

Jim N0RMO

```
>>xmit To HF >IRON     *032123z3821.40N/10527.40W: Iron Mtn Fire 6400 Acres
>>xmit To VHF>IRON     *032123z3821.40N/10527.40W: Iron Mtn Fire 6400 Acres
```

>It shows HF and VHF but not TCP.

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95. [aprssig] SAR 2002

From: "W5JSR" <w5jsr@arrl.net>
Date: Mon, 3 Jun 2002 19:37:54 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-83017-2002.06.03-20.14.28--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

I threw this together this morning. I appologize if you get more than one copy.

anyway this is about the SAR 2002 weekend here in Arkansas, where ham radio and APRS played a vital role!

73 de Scott, W5JSR

. . . of Hounds and Hams

During the weekend of June 1st, 2002, Search and Rescue teams from all over Arkansas, met for Rescue 2002. Held in the sleepy southern town of Nashville, AR, the annual conference met for the forth time in a beautiful city park. Teams arrived from all four corners of the state on Friday afternoon and evening. By Saturday morning, more than 80 SAR members had arrived.

The Howard County Search and Rescue (HCSAR) team sponsors this event for the purpose of training teams across the state to use similar methods and procedure and to share new ideas. Several training classes were held during the weekend and included two classes about Amateur Radio. In fact, of the 80 SAR members present, one-third or more were Amateur Radio Operators! One of the requirements for membership in HCSAR is that you hold an amateur radio operators license or are in the process of obtaining one.

The HCSAR team communications officer and ARES EC is J.B. Davis, N5THS. This year J.B. asked two hams, Scott Ratchford, W5JSR, ARES EC for Benton Co., and Mike Engelke, KD5DGT, Asst. ARES EC for Benton Co., to come down and give two classes. Scott and Mike accepted the invitation and came down to offer classes on Introduction to Ham Radio and APRS.

Friday night, Scott, gave a short class on Amateur Radio. "I teach ham radio classes each month in Benton County and I wanted to show that SAR members at the seminar a simple way to study for the Technician class license and show them some of the new equipment available today. I use the ARRL "Now Your Talking" handbook for the class and explained how to use the book", Scott said. He also touched on Amateur Radio's role in emergency services and about ARES and RACES. "After the class, I had several SAR members ask further questions and they presented a real interest in obtaining their license!"

Saturday morning, Scott and Mike, worked together to present a program on APRS. "Last year we came down for the first time to give this class and we were successful. This year we came down to again present the class, and to test the program in a "real-world" situation. Our class was well attended and we presented an overview of the APRS program features", Scott said.

APRS, the Automatic Position Reporting System, is a program created by Bob

Bruninga, WB4APR, that uses GPS receivers and Amateur Radio to track objects. APRS uses a connectionless form of packet radio to transfer information and is capable of tracking objects in real-time. This is a program that has many uses, and is capable of delivering messages instantly to any other APRS station. "This program is perfect for situations like this, where you need to know where your SAR teams are at any given moment," mentioned J.B. "We can track our teams out there that are 2 miles away and show it on our laptop computer here in the command vehicle. I think this technology will help us on our searches and we will add this to our setup"

A good portion Saturday afternoon was dedicated to field testing and a mock search. There four K9 and search teams that were tasked with finding several lost persons in the woods. "We put three tracking devices (made up of Kenwood TH-D7A radios and Garmin GPSs) on search teams and used the APRS program in the HCSAR command vehicle to present a visual clue of team locations to the Incident Commander. The three teams that we tracked were taken about two miles away to a staging area. We were able to watch each team as they left the area and began their track", Scott said. "We set the tracking devices to beacon a position every 30 seconds. The APRS program captured the path that the teams took and we used that data to overlay a track on the map that would show us where the teams had been and areas where they missed." The field test lasted about 2-1/2 hours.

That evening after the mock search, BBQ chicken, it was time to hold a debriefing. The debriefing began with an over view of what was seen on APRS. Scott began with a map of the area search and outlined the path of each team. After the debriefing a question was asked of the SAR teams, "What would you like to see more of next year? What can we do to improve the conference? The answers were, "Communications", "Ham Radio", "GPS" and "APRS"!

Search and Rescue 2002 was a success for Amateur Radio as much as it was for the SAR teams that were present. There were too many hams there to mention individually but among them were, N5THS, W5JSR, KD5DGT, KD5EYX, KA5ZYY, KC5BYB, KB5SSW, N5YKL, N5XFW. Also present were representatives of the Arkansas Department of Emergency Management, Arkansas Fire Academy, and several County level DEM managers. A lot of information was passed, a lot of training programs offered, and it was made clear that Amateur Radio will remain to be a vital part of Search and Rescue in Arkansas!

submitted by W5JSR

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96. [aprssig] Re: SAR 2002

From: Robbie Robertson <mwrobertson@attbi.com>
Date: Mon, 03 Jun 2002 19:50:36 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: TAPR APRS Special Interest Group <aprssig@lists.tapr.org>
Message-ID: <LYR842-83018-2002.06.03-20.26.13--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

W5JSR wrote:

> team. After the debriefing a question was asked of the SAR teams, "What
> would you like to see more of next year? What can we do to improve the
> conference? The answers were, "Communications", "Ham Radio", "GPS" and
> "APRS"!
>
> Search and Rescue 2002 was a success for Amateur Radio as much as it was for
> the SAR teams that were present. There were too many hams there to mention
> individually but among them were, N5THS, W5JSR, KD5DGT, KD5EYX, KA5ZYY,
> KC5BYB, KB5SSW, N5YKL, N5XFW. Also present were representatives of the
> Arkansas Department of Emergency Management, Arkansas Fire Academy, and
> several County level DEM managers. A lot of information was passed, a lot of
> training programs offered, and it was made clear that Amateur Radio will
> remain to be a vital part of Search and Rescue in Arkansas!
>
> submitted by W5JSR

```
>
> ---
```

Great job fellers and thanks for sharing!

Robbie

--

- Robbie Robertson -
...-.- wa9inf ...-.-

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97. [aprssig] Re: SAR 2002

From: Phil Reed <preed@dnaco.net>
Date: Mon, 03 Jun 2002 20:55:37 -0400
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-83024-2002.06.03-20.40.04--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

This is really terrific, thanks. You should submit it to the ham magazines
for their public service columns.

At 07:37 PM 6/3/2002 -0500, W5JSR wrote:

```
>I threw this together this morning. I appologize if you get more than one
>copy.
>
>anyway this is about the SAR 2002 weekend here in Arkansas, where ham radio
>and APRS played a vital role!
>
>73 de Scott, W5JSR
>
>
>
>. . . of Hounds and Hams
>
>During the weekend of June 1st, 2002, Search and Rescue teams from all over
>Arkansas, met for Rescue 2002. Held in the sleepy southern town of
>Nashville, AR, the annual conference met for the forth time in a beautiful
>city park. Teams arrived from all four corners of the state on Friday
>afternoon and evening. By Saturday morning, more than 80 SAR members had
>arrived.
```

```
                                  ...phil / w8sca

"For a list of all the ways technology has failed
     to improve the quality of life, press 3."
```

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98. [aprssig] CQ Amateur Radio Hall of Fame

From: kb2scs@optonline.net
Date: Mon, 03 Jun 2002 22:26:46 -0400
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-83030-2002.06.03-22.01.24--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Congrats Bob on being inducted to the CQ Amateur Radio Hall of Fame.

The list of new inductees to the CQ Amateur Radio Hall of Fame contains
some names familiar to most amateurs. Among those honored by their
inclusion in the class of 2002 was Bob Bruninga, WB4APR

```
Let us hope we never witness the "Silence Of The Hams"
73 DE John  KB2SCS
   Mail To:     kb2scs@wa2pnu.#nli.ny.usa.noam
   E-Mail:      kb2scs@optonline.net
```

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99. [aprssig] FW: Re: Rushing to meet pressure....

From: Terry Bendell <ve3tkb@sympatico.ca>
Date: Mon, 03 Jun 2002 23:21:49 -0400
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-83041-2002.06.03-22.57.57--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Not sure if your making a comment or a slur,
Are you calling me a "Jackass"?

Not being an American I will take it as a comment.

Terry the "Nit-Wit"

73

on 6/3/02 7:43 PM, Emanuel P. Peters at ki6nj@juno.com wrote:

> In America every jackass has a right to bray.
> 73 Max KI6NJ
>
> On Mon, 03 Jun 2002 11:18:07 -0400 Terry Bendell <ve3tkb@sympatico.ca>
> writes:
>

---
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100. [aprssig] APRS and WinXP

From: "Timothy Wood" <emtim21@yahoo.com>
Date: Mon, 3 Jun 2002 23:2:59
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-83043-2002.06.03-23.39.10--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

I have a laptop and it doesn't have a 9 pin serial port. So I went out and
got a USB to 9 pin serial PDA adapter. I got an XP driver from the
manufacturer but when I got to start sending info to and from the TNC it
zonks my computer and makes it reboot. Is there anything I can do to
relieve this?

---
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101. [aprssig] APRSpoint ?

From: Neil Johnson <njohnsn@iowatelecom.net>
Date: Mon, 3 Jun 2002 18:19:50 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-83045-2002.06.03-23.55.51--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Anybody know anything about APRSpoint ?

I saw it mentioned in the last QST:

http://www.aprspoint.com

--
Neil Johnson, N0SFH
http://www.iowatelecom.net/~njohnsn
http://www.njohnsn.com/
PGP key available on request.

---

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102. [aprssig] FW: APRS and WinXP

From: "Ray McKnight - WB3ABN" <shortsheep@worldnet.att.net>
Date: Mon, 3 Jun 2002 21:59:21 -0700
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-83064-2002.06.04-00.35.45--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

First, you should contact tech support for the USB dongle. Or at least
browse their web site for help.

Next, have you gone to the tech support web site of your laptop maker to
see if they have a newer USB driver for your motherboard, updated BIOS,
or any clue why it's dumping the OS? What you describe is a fairly
drastic way for the OS to tell you there's a conflict somewhere and the
current drivers aren't behaving well. Have any other USB devices ever
behaved this way on this laptop?

You can also try and identify your USB chipset and go to www.usbman.com
to see if anyone has reported a bug or fix.

73's
Ray - WB3ABN
Kingston, WA

-----Original Message-----
From: bounce-aprssig-29143@lists.tapr.org
[mailto:bounce-aprssig-29143@lists.tapr.org] On Behalf Of Timothy Wood
Sent: Monday, June 03, 2002 23:01
To: TAPR APRS Special Interest Group
Subject: [aprssig] APRS and WinXP

I have a laptop and it doesn't have a 9 pin serial port. So I went out
and
got a USB to 9 pin serial PDA adapter. I got an XP driver from the
manufacturer but when I got to start sending info to and from the TNC it

zonks my computer and makes it reboot. Is there anything I can do to
relieve this?

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103. [aprssig] Cheap TinyTrak

From: <gcarpi@ciudad.com.ar>
Date: Tue, 4 Jun 2002 02:22:44 -0300
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-83066-2002.06.04-00.58.58--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/html

Hello,

if you are looking for a cheap tinytrak board look at http://www.gctelecomar.com/tteng
<http://www.gctelecomar.com/tteng>

Regards.

Gustavo.

____

Todavía no tenés tu Ciudad Internet Mail? Obtenelo ahora! - http://webmail.ciudad.com.ar
<http://webmail.ciudad.com.ar>

Descargá Gratis el nuevo Internet Explorer 6.0, el mejor software para actualizar tu PC. Hacé click acá.
<http://ftp.tapr.org/tapr_history/SIG_Archives/aprssig/mail_archive/3D'http://www.ciudad.com.ar/ar/servicios/ie/'>

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104. [aprssig] Re: Rushing to meet pressure....

From: "Doug Younker" <dougy@ruraltel.net>
Date: Tue, 4 Jun 2002 00:18:13 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-83068-2002.06.04-01.10.42--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

----- Original Message -----
From: "Terry Bendell" <ve3tkb@sympatico.ca>
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Sent: Monday, June 03, 2002 10:48 AM
Subject: [aprssig] Re: Rushing to meet pressure....

: In many circles "Peer Review" is considered to be
: "Constructive Feedback". Such is the scientific principal.
:
: 73
:
: Terry

Kinda depends on how "peer" is defined. On the level that the software
author may be an amateur radio like myself, I may meet the definition of
peer however, anything I would have to say to any interaction I may have the
authors is better described customer/user feed-back. I'm sure I have many
peers when it comes to writing the code, I don't have a clue :) Apologies to
those who have called for this thread to cease.--73
Doug, N0LKK
dougy@ruraltel.net

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105. [aprssig] Re: Cheap TinyTrak

From: WA8LMF2@aol.com
Date: Tue, 4 Jun 2002 01:53:33 EDT
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-83071-2002.06.04-01.29.46--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

This looks very suspicious and bogus -- A commercial website linked to a
Geocities site, selling knockoff TinyTracks apparently for commercial
applications.....

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106. [aprssig] Re: APRSpoint [Sort of a first impressions/review]

From: WA8LMF2@aol.com
Date: Tue, 4 Jun 2002 02:23:59 EDT
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: aprssig@lists.tapr.org
Message-ID: <LYR842-83073-2002.06.04-02.00.20--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

In a message dated 6/3/02 9:22:04 PM Pacific Daylight Time,
njohnsn@iowatelecom.net writes:

> Anybody know anything about APRSpoint ?
>

> I saw it mentioned in the last QST:
>
> http://www.aprspoint.com

I'm an actual registered owner of it. This APRS application uses Microsoft MapPoint as it's display engine; indeed APRSpoint is actually an add-in for MapPoint; that is you MUST have MapPoint 2002 to use it. You have zoomable scrollable street-level detail similar to APRSplus/StreetAtlas or WinAPRS/Precision Mapping.

MapPoint DOES provide street-level detail in Canada as well as the United States AND major roads (but not city streets) in Mexico. MapPoint can be switched to a physical display mode where the mountains show in a raised relief look. The soft earth tone color scheme of MapPoint is harder to see on a laptop in a car compared to Street Atlas. APRSpoint doesn't project the standard APRS icons on it's maps; rather it uses the extensive but different (and in my opinion not contrasty enough; i.e. not bright primary colors) Microsoft-provided "pushpin" icon set. It DOES use the standard MS pushpin function where you can right-click on an icon and expand a callout with all the detail for the particular station.

APRSpoint has the usual dual TNC/Internet connectivity and can do the Igate thing. It supports the mixed TNC data/local GPS data stream that the Kenwood D7/D700s produce.

The user interface is deceptively simple; almost too obvious! The main map display looks very "Microsoft-ish" with a Windows-File-Explorer-style tree in the left pane of the screen presenting sorted lists of MOBILE, FIXED, WX, etc which you expand by clicking on the little plus signs. Right clicking on a call sign calls up the last posit, status message, etc.

If you use MS Outlook, it's APRS messaging functions will look very familiar; it creates the same kind of hierarchic IN/OUT/SENT/TRASH tree using the same icons, and the "Send Message" and "Send Object" screens look an awful lot like Outlook's "Send Email" dialogs.

Unlike other APRS apps, APRSpoint WILL NOT plot track lines showing a mobile's course of travel (or dead reckoning lines, Bob!) ; only the last reported location. The beaconing is not (yet) smart; it transmits at fixed intervals and doesn't do compressed or MIc-E reports.

You can run MapPoint independent of the APRS application, but it's built-in GPS handler is really clunky compared to Delorme's (or even Microsoft's predecessor Automap product). Instead of a "breadcrumb" trail of green arrows showing your course of travel, all you get is one big fat round circle with an icon of a car in it, with NO indication which way you are going.

If you have a Pocket PC device (i.e. HP Journada, Compaq Ipaq, etc) one unexpected freebie bonus of owning MapPoint is that you can export pieces of the MapPoint map anywhere in it's coverage area, in chunks up to about 50 miles across, WITH FULL STREET DETAIL AND INDEXING to these pocket devices. Now if only APRS-CE could work with these excellent maps .....

```
Stephen H. Smith                   wa8lmf @ aol.com
Home Page:
http://members.aol.com/wa8lmf
Ham Radio/Mobile SSTV page:     http://members.aol.com/wa8lmf/ham
APRS Stuff
http://members.aol.com/wa8lmf/aprs
------------------------------------------------------------------------------

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|    Radio Communications Systems       Personal Computers
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|    File Conversions       MS-Windows Setups       VISCII Fonts
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107. [aprssig] Re: Cheap TinyTrak

From: "Byon Garrabrant" <byon@byon.com>
Date: Mon, 3 Jun 2002 23:40:07 -0700
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>

Message-ID: <LYR842-83074-2002.06.04-02.16.07--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

```
On 4 Jun 2002 at 2:22,  <gcarpi@ciudad.com.ar> wrote:

> Hello,
>
> if you are looking for a cheap tinytrak board look at
> http://www.gctelecomar.com/tteng
>
> Regards.
>
> Gustavo.
>

gctelecomar.com / Gustavo is selling the TinyTrak firmware without my permission.
I have asked him to stop.

Byon
________________________________________
 Byon Garrabrant   N6BG   byon@byon.com


---
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```

108. [aprssig] APRSpoint [Sort of a first impressions/review some more stuff]

From: WA8LMF2@aol.com
Date: Tue, 4 Jun 2002 02:50:18 EDT
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-83075-2002.06.04-02.26.40--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

```
Some other stuff I forgot to mention....

Some background:

Microsoft MapPoint is a member of the Microsoft Office family. It is capable
of displaying almost any kind of data tagged with lat/long information or
street address fields.  It is positioned midway between consumer map
applications like Street Atlas or RandMcNally Street Finder on the one hand
and "serious" GIS application like ArcView or MapInfo on the other.
     As a mid-level "personal GIS" package it is similar to Delorme's "X-Map"
product and is intended, for example, for a salesman to plot his customer
list from an Excel spread sheet or Outlook Address Book.  You can plot one
layer of data but not multiple layers like MapInfo.  Like Word and Excel, it
is designed so that outside developers can create plug-ins and add-ons that
extend it's function. APRSpoint actually merges itself into the MapPoint user
interface when started.  This is somewhat the same effect you get when a
document with elaborate macros,  customized toolbars and controls is opened
in Word or Excel.

MapPoint comes in two versions: One covers all of North America and the other
Western Europe.  Both have full zoomable street-level-resolution display.
Additionally, they both surround their their respective areas of detail with
a simple WORLD map that shows national borders and an amazing number of
cities as single point objects (but no roads, rivers, etc).  The implication
of this is that APRSpoint can actually show the (approximate) location of
non-US stations that come in on the APRServe Internet feed (or boats at sea!)

MapPoint is relatively expensive (compared to Street Atlas or Precision
Mapping) but you can actually get double APRS use out of it. The same
MapPoint 2002  package that supports APRSpoint as an add-in,  can also be
used with UI-View!

UI-View supports MapPoint as an external application in a manner similar to
the APRSplus/Street Atlas or WinAPRS/Precison Mapping duos.  A freebie
downloadable "middleware" component, UI-Point, available on the UI-View
website ties UI-View32 (wont' work with UI-View 16) and MapPoint together.

Stephen H. Smith                   wa8lmf @ aol.com
Home Page:
http://members.aol.com/wa8lmf
Ham Radio/Mobile SSTV page:     http://members.aol.com/wa8lmf/ham
APRS Stuff
http://members.aol.com/wa8lmf/aprs
-----------------------------------------------------------------------------
```

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109. [aprssig] A motherboard with TUBES?

From: Mark Fellhauer <sparkfel@qwest.net>
Date: Tue, 04 Jun 2002 02:33:42 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-83078-2002.06.04-03.10.28--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Just when you thought hollow-state was dead...

Not really APRS related, but I thought most hams would get a kick out of it.

http://www.aopen.com/products/mb/Pax4b-533tube.htm

http://www.aopen.com/products/mb/ax4b-533Tube.htm

73,

Mark
KC7BXS

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Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

110. [aprssig] Re: Cheap TinyTrak

From: Mark Phillips <g7ltt@g7ltt.com>
Date: Tue, 04 Jun 2002 05:43:08 -0400
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-83085-2002.06.04-05.19.19--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Sounds like a letter from both Bob and Byon's lawyer is required. Things like copyright infringment and possibly even trademark violations come to mind.

Mark Phillips. G7LTT/KC2ENI
Randolph, NJ. 07869

> gctelecomar.com / Gustavo is selling the TinyTrak firmware without my
permission.
> I have asked him to stop.

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111. [aprssig] Re: APRSpoint [Sort of a first impressions/review]

From: "Ramon F. Kolb" <ramon@ieee.org>
Date: Tue, 4 Jun 2002 06:17:02 -0400
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-83088-2002.06.04-05.53.17--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

There was a long thread on the UI-View mailing list about UI-Point.
Short story: some dumbo at Microsoft (not one of their lawyers, all very suspicious) sent Roger Barker (the author of the software) an email

telling him that UI-Point violates the EULA (end-user license agreement) of Mappoint. Very weird, because no parts of Mappoint are distributed with UI-Point, and UI-Point is beneficial to Microsoft because it encourages people to buy Mappoint!

If you want to know more about it, go to the "ui-view" mailinglist at yahoogroups.com and look for the thread "I just don't believe it".

I just want to avoid APRSpoint to go the same way, where a good software effort is being shot down because of the idiocy of Microsoft.

--Ramón

Ramón F. Kolb, W1/PA3EUG, Boston, MA, USA [FN42KI].
http://beaconet.webhop.org for BEACONet Info !
ICQ-77117744; MSNMGR-legalalien30@hotmail.com

-----Original Message-----
From: bounce-aprssig-24121@lists.tapr.org
[mailto:bounce-aprssig-24121@lists.tapr.org] On Behalf Of
WA8LMF2@aol.com
Sent: Tuesday, June 04, 2002 02:24
To: TAPR APRS Special Interest Group
Cc: aprssig@lists.tapr.org
Subject: [aprssig] Re: APRSpoint [Sort of a first impressions/review]

In a message dated 6/3/02 9:22:04 PM Pacific Daylight Time, njohnsn@iowatelecom.net writes:

> Anybody know anything about APRSpoint ?
>
> I saw it mentioned in the last QST:
>
> http://www.aprspoint.com

I'm an actual registered owner of it.   This APRS application uses Microsoft
MapPoint as it's display engine; indeed APRSpoint is actually an add-in for
MapPoint; that is you MUST have MapPoint 2002 to use it. You have zoomable
scrollable street-level detail similar to APRSplus/StreetAtlas or
WinAPRS/Precision Mapping.

MapPoint DOES provide street-level detail in Canada as well as the United
States AND major roads (but not city streets) in Mexico. MapPoint can be
switched to a physical display mode where the mountains show in a raised

relief look. The soft earth tone color scheme of MapPoint is harder to see
on a laptop in a car compared to Street Atlas.   APRSpoint doesn't project
the standard APRS icons on it's maps; rather it uses the extensive but
different (and in my opinion not contrasty enough; i.e. not bright primary
colors) Microsoft-provided "pushpin" icon set. It DOES use the standard MS
pushpin function where you can right-click on an icon and expand a callout
with all the detail for the particular station.

APRSpoint has the usual dual TNC/Internet connectivity and can do the Igate
thing. It supports the mixed TNC data/local GPS data stream that the Kenwood
D7/D700s produce.
     The user interface is deceptively simple; almost too obvious! The main
map display looks very "Microsoft-ish" with a
Windows-File-Explorer-style
tree in the left pane of the screen presenting sorted lists of MOBILE, FIXED,
WX, etc which you expand by clicking on the little plus signs. Right
clicking on a call sign calls up the last posit, status message, etc.
  If you use MS Outlook, it's APRS messaging functions will look very
familiar; it creates the same kind of hierarchic IN/OUT/SENT/TRASH tree

using
the same icons, and the "Send Message" and "Send Object" screens look
an
awful lot like Outlook's "Send Email" dialogs.

Unlike other APRS apps, APRSpoint WILL NOT plot track lines showing a
mobile's course of travel (or dead reckoning lines, Bob!) ; only the
last
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You can run MapPoint independent of the APRS application, but it's
built-in
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predecessor Automap product). Instead of a "breadcrumb" trail of green
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112. [aprssig] Re: APRS and WinXP

From: "hasan schiers" <schiers@netins.net>
Date: Tue, 4 Jun 2002 05:49:37 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-83089-2002.06.04-06.25.49--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

I found the USB > Serial drivers available for my XCT (?) adpater do the
same thing in Win XP. They are not ready for prime time. The same device
with Win9x drivers work fine on all 3 98se machines I have, but the XP
driver is very buggy for it and so I can't use it yet. Hopefully better
drivers will come out soon.

My adapters came from purple computing. They are othewise very good.

73

hasan schiers, N0AN

schiers@netins.net
or use amsat.org or arrl.net remailer
----- Original Message -----
From: "Timothy Wood" <emtim21@yahoo.com>
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Sent: Monday, June 03, 2002 11:00 PM
Subject: [aprssig] APRS and WinXP

> I have a laptop and it doesn't have a 9 pin serial port. So I went out and
> got a USB to 9 pin serial PDA adapter. I got an XP driver from the
> manufacturer but when I got to start sending info to and from the TNC it
> zonks my computer and makes it reboot. Is there anything I can do to
> relieve this?
>
> ---
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113. [aprssig] WinAPRS 2.61 bug?

From: "hasan schiers" <schiers@netins.net>
Date: Tue, 4 Jun 2002 05:56:12 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-83090-2002.06.04-06.32.22--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

With AutoRefresh Maps turned on, after a refresh, much of the time, clicking on a station Icon will not "tag" the station and nothing can be done with the mouse. Double clicking with the mouse does not bring up the station detail.

This may not happen all the time, but it happens frequently. Turning off Auto Refresh solves the problem, at least for a while.

As I recall (and this was a long time ago), this problem has been present off and on for many versions.

One improvement so far:

I have been connected to the internet for 11 hours and not had a crash. I'll be keeping an eye on it.

Win98se
256 mB RAM
Celeron 550 Mhz
Shapefiles loaded
hasan schiers, N0AN

schiers@netins.net
or use amsat.org or arrl.net remailer

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114. [aprssig] Re: APRSpoint [Sort of a first impressions/review]

From: <smorris@mindspring.com>
Date: Tue, 04 Jun 2002 08:04:42 -0400
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-83092-2002.06.04-07.40.51--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Regarding MapPoint, Mickael has an agreement with Microsoft to distribute MapPoint with APRSPoint, but
there is a cost. You pay for the product so Microsoft is paid.

73

Scott
KF4SNV

On Tue, 4 Jun 2002 06:17:02 -0400 "Ramon F. Kolb" <ramon@ieee.org> wrote:

There was a long thread on the UI-View mailing list about UI-Point.
Short story: some dumbo at Microsoft (not one of their lawyers, all very
suspicious) sent Roger Barker (the author of the software) an email
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--Ram□n
□
Ram□n F. Kolb, W1/PA3EUG, Boston, MA, USA [FN42KI].
http://beaconet.webhop.org for BEACONet Info !
ICQ-77117744; MSNMGR-legalalien30@hotmail.com

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Windows-File-Explorer-style
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Stephen H. Smith   wa8lmf @ aol.com
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http://members.aol.com/wa8lmf
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APRS Stuff
http://members.aol.com/wa8lmf/aprs

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115. [aprssig] Re: Cheap TinyTrak

From: Hamish Moffatt <hamish@cloud.net.au>
Date: Tue, 4 Jun 2002 22:51:28 +1000
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: TAPR APRS Special Interest Group <aprssig@lists.tapr.org>
Message-ID: <LYR842-83101-2002.06.04-08.27.51--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

On Tue, Jun 04, 2002 at 05:43:08AM -0400, Mark Phillips wrote:
> Sounds like a letter from both Bob and Byon's lawyer is required. Things
> like copyright infringment and possibly even trademark violations come to
> mind.

What trademark infringement? APRS is not even mentioned on the web page.
And simply using the term APRS is not always a trademark violation.

Hamish
--
Hamish Moffatt VK3SB <hamish@debian.org> <hamish@cloud.net.au>

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To unsubscribe send a blank email to leave-aprssig-842K@lists.tapr.org
Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

116. [aprssig] Re: Cheap TinyTrak

From: Joe Della Barba <joe@dellabarba.com>
Date: Tue, 4 Jun 2002 09:20:30 -0400
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-83103-2002.06.04-09.04.45--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

What a scam! Couldn't even rename it or anything.
Joe
N3HGB

At Tuesday, 4 June 2002, <gcarpi@ciudad.com.ar> wrote:

>Hello,
>
>if you are looking for a cheap tinytrak board look at http://www.gctelecomar.com/tteng
>
>Regards.
>
>Gustavo.
> ____Todavía no tenés tu Ciudad Internet Mail? Obtenelo ahora! - http://webmail.ciudad.com.arDescargá Gratis el nuevo Internet Explorer 6.0, el mejor software para actualizar tu PC. Hacé click acá.
>
>---
>You are currently subscribed to aprssig as: joe@dellabarba.com
>To unsubscribe send a blank email to leave-aprssig-22572E@lists.tapr.org
>Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org
>
>

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Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

117. [aprssig] AHubIN testing period...

From: "Zachary Grant Michael, KB9UQQ" <kb9uqq@kb9uqq.cjb.net>
Date: Tue, 4 Jun 2002 08:42:18 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-83108-2002.06.04-09.19.11--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

All,
AHubIN is back up for a testing period of two days. I have had numerous
hardware, and software problems with my new two-way satellite internet
connection, and I need to test the stability of the system. I strongly
encourage everybody to connect for awhile, and see how it works for you. I
also request that if you do try it, if possible, that you drop me an e-mail,
and let me know how it was working. If you experience any problems, also
drop me an e-mail. Right now only AHubIN is available, I will turn AHubSAT
back on after I see how stable this new system is going to be. To connect,
use the url of ahubin.d2g.com. Ports 2023 (worldwide feed), and 14579
(regional feed), are available at this moment. For more information, visit
http://www.qsl.net/kb9uqq/ahub.htm.
73 de kb9uqq
--
Zachary Grant Michael, KB9UQQ
http://www.qsl.net/kb9uqq/

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Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

---

118. [aprssig] NOSaprs 1.12.2y BETA patch available ...

From: Maiko Langelaar <maiko@langelaar.net>
Date: Tue, 4 Jun 2002 07:44:26 -0700
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-83118-2002.06.04-10.20.43--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Greetings,

For those people running JNOSaprs or TNOSaprs at level 1.12.1
or higher, I have another BETA patch, release 1.12.2y. Those of
you that are running older versions of NOSaprs are encouraged to
upgrade to at least 1.12.1, which is the latest official release.

Website is below :

http://www.qsl.net/ve4klm/packet/aprss.html

Please rememember to read the upgrade and history release notes,
which contain ALOT of additional and very important information,
including changes and additions to the NOSaprs command set.

Best regards,

Maiko Langelaar / VE4KLM
http://www.langelaar.net

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To unsubscribe send a blank email to leave-aprssig-842K@lists.tapr.org
Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

---

119. [aprssig] MacAPRS

From: Frosty6981@aol.com
Date: Tue, 4 Jun 2002 11:02:18 EDT
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-83121-2002.06.04-10.38.49--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

I was wondering what port on the back of a MAC do I use to connect a KPC-2
to? I am trying to get an APRS station setup at my Mom's (KCØMEO) School.
Also if there are any teachers on this list could they give some ideas on
what all APRS can be used for. Right now the current plan is to get weather
data from other locations in NE Kansas. Thanks for your help on this.

73, Reid KCØIDI

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```
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```

---

120. [aprssig] Re: MacAPRS

From: Terry Bendell <ve3tkb@sympatico.ca>
Date: Tue, 04 Jun 2002 11:20:30 -0400
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-83133-2002.06.04-10.56.29--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

```
Use either the serial port or the printer port, make sure that
the serial tool is loaded in the extensions folder on boot-up

You can select either port in the MACAPRS pull Down Menu

73

Terry



on 6/4/02 11:02 AM, Frosty6981@aol.com at Frosty6981@aol.com wrote:

> I was wondering what port on the back of a MAC do I use to connect a KPC-2
> to?  I am trying to get an APRS station setup at my Mom's (KC0MEO) School.
> Also if there are any teachers on this list could they give some ideas on
> what all APRS can be used for.  Right now the current plan is to get weather
> data from other locations in NE Kansas.  Thanks for your help on this.
>
> 73, Reid KC0IDI
>
> ---
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> Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org
>



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```

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121. [aprssig] Re: APRS and WinXP

From: WA8LMF2@aol.com
Date: Tue, 4 Jun 2002 12:15:17 EDT
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-83140-2002.06.04-11.51.42--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

```
In a message dated 6/4/2002 3:51:35 AM Pacific Daylight Time,
schiers@netins.net writes:

> I found the USB > Serial drivers available for my XCT (?) adpater do the
>  same thing in Win XP. They are not ready for prime time. The same device
>  with Win9x drivers work fine on all 3 98se machines


Windows 2000 forever!  The Purple ports work just fine with it.  In general,
I have found that Win 2K is much more friendly to older drivers and apps than
XP.

BTW, did you know that Win 2K is actually Windows NT 5.0 ,   and that XP is
actually Windows NT 5.1 ?  Not that much difference except.....    the driver
compatibility issues,    the Java-challenged browser (IE 6.0) that brow-beats
you into signing up for Chairman Bill's PassPort service that sells your
email address,     and the infernal "product activation wizard".


Stephen H. Smith                   wa8lmf @ aol.com
Home Page:                         http://members.aol.com/wa8lmf
Ham Radio/Mobile SSTV page:        http://members.aol.com/wa8lmf/ham
APRS Stuff                         http://members.aol.com/wa8lmf/aprs
---------------------------------------------------------------------
|    Radio Communications Systems       Personal Computers
|                Consulting and Systems Integration
|    GPS Custom Mapping    &     Radio Coverage Surveys
|    File Conversions       MS-Windows Setups       VISCII Fonts
---------------------------------------------------------------------
```

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Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

122. [aprssig] PEAPRS Test

From: "Clayon H. Owen" <aa3jy@winlink.org>
Date: Tue, 4 Jun 2002 11:56:21
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-83146-2002.06.04-12.32.34--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Received the PEAPRS mic-e "MAYDAY" test @ 16:06z this date. Location first
heard was aprox. 8 miles SE of Watertown,NY extending to near Laconia,NH.
Callsign was WA2ZXS.

AA3JY

You are currently subscribed to aprssig as: lyris.aprssig@tapr.org
To unsubscribe send a blank email to leave-aprssig-842K@lists.tapr.org
Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

123. [aprssig] Re: PEAPRS Test

From: "Spider" <spider@rivcom.net>
Date: Tue, 4 Jun 2002 11:05:10 -0700
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-83152-2002.06.04-13.41.35--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Got it!

```
!T 16:06:17 !WA2ZXS>435W4Y,RELAY,WIDE,WIDE3-3:`gPh*qc'/>"CU}TEST MAYDAY TEST

!T 16:06:19
!WA2ZXS>APD214,KB2VLP-5,KA2QYE-10*,WIDE3-3:=4357.49N/07552.76W'171/148/Mic-E
/M7/EMERGENCY
```

----- Original Message -----
From: "Clayon H. Owen" <aa3jy@winlink.org>
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Sent: Tuesday, June 04, 2002 11:56 AM
Subject: [aprssig] PEAPRS Test

```
> Received the PEAPRS mic-e "MAYDAY" test @ 16:06z this date. Location first
> heard was aprox. 8 miles SE of Watertown,NY extending to near Laconia,NH.
> Callsign was WA2ZXS.
>
> AA3JY
>
> ---
> You are currently subscribed to aprssig as: spider@rivcom.net
> To unsubscribe send a blank email to leave-aprssig-842K@lists.tapr.org
> Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org
>
>
>
```

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To unsubscribe send a blank email to leave-aprssig-842K@lists.tapr.org
Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

124. [aprssig] Re: PEAPRS Test Those that particpated that I could see

From: "Spider" <spider@rivcom.net>
Date: Tue, 4 Jun 2002 11:11:25 -0700
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-83153-2002.06.04-13.47.45--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

All the relays via TCPIP and RF. Times in UTC

```
!T 16:06:17 !WA2ZXS>435W4Y,RELAY,WIDE,WIDE3-3:`gPh*qc'/>"CU}TEST MAYDAY TEST
```

```
!T 16:06:19
!WA2ZXS>APD214,KB2VLP-5,KA2QYE-10*,WIDE3-3:=4357.49N/07552.76W'171/148/Mic-E
/M7/EMERGENCY. >"CU}TEST MAYDAY TEST

!T 16:11:47 !WA2ZXS>434Y0P,RELAY,WIDE,WIDE3-3:`gN$++_'/>"C#}TEST MAYDAY TEST

!T 16:11:49
!WA2ZXS>APK001,TCPIP,KB7ZVA-1*:@041611z4349.00N/07550.06W'167/151/Mic-E/M7/E
MERGENCY!>"C#}TEST MAYDAY TEST

!T 16:11:49
!WA2ZXS>APD214,KB2VLP-5,KA2QYE-10*,WIDE3-3:=4349.00N/07550.08W'167/151/Mic-E
/M7/EMERGENCY. >"C#}TEST MAYDAY TEST

!T 16:11:49
!WA2ZXS>APK001,TCPIP,KB7ZVA-1*:@041613z4349.00N/07550.06W'167/151/Mic-E/M7/E
MERGENCY!>"C#}TEST MAYDAY TEST

!T 16:11:58 !WA2ZXS>434S9X,RELAY,WIDE,WIDE3-3:`gLd*gb'/>"CU}TEST MAYDAY TEST

!T 16:11:59
!WA2ZXS>APK001,TCPIP,KB7ZVA-1*:@041613z4343.96N/07548.71W'170/147/Mic-E/M7/E
MERGENCY!>"CU}TEST MAYDAY TEST

!T 16:12:00
!WA2ZXS>APK001,TCPIP,KB7ZVA-1*:@041611z4343.96N/07548.71W'170/147/Mic-E/M7/E
MERGENCY!>"CU}TEST MAYDAY TEST

!T 16:12:05
!WA2ZXS>APK001,TCPIP,W1TYL*:@040712z4343.96N/07548.71W'170/147/Mic-E/M7/EMER
GENCY!>"CU}TEST MAYDAY TEST

!T 16:12:06
!WA2ZXS>APK001,TCPIP,KB7ZVA-1*:@041716z4343.96N/07548.71W'170/147/Mic-E/M7/E
MERGENCY!>"CU}TEST MAYDAY TEST

!T 16:12:17
!WA2ZXS>APK001,TCPIP,K4GPS-1*:@041212z4343.96N/07548.71W'170/147/Mic-E/M7/EM
ERGENCY!>"CU}TEST MAYDAY TEST

!T 16:13:00 !N5ZFG-14>APS212,TCPIP*::WA2ZXS :EMERGENCY< rec'd track packet
and Message{0B}

!T 16:13:32 !N5ZFG-14>APS212,TCPIP*::WA2ZXS :EMERGENCY< rec'd track packet
and Message{0B}

!T 16:13:53 !VE3FCK>APRX45::WA2ZXS :your mayday TEST is ik recieved 1222hrs
73 de Tom{10}

!T 16:13:59 !KD4TQZ-14>APK101,N4BAM-3,KA4YMY-9*,WIDE::WA2ZXS :test rc'd{Y

!T 16:14:37 !VE3FCK>APRX45::WA2ZXS :your mayday TEST is ik recieved 1222hrs
73 de Tom{10}

!T 16:14:39 !WA2ZXS>434P6P,RELAY,WIDE,WIDE3-3:`gK}*]c'/>"CO}TEST MAYDAY TEST

!T 16:14:40 !N5ZFG-14>APS212,TCPIP*::WA2ZXS :EMERGENCY< rec'd track packet
and Message{0B}

!T 16:14:40
!WA2ZXS>APK001,TCPIP,KB7ZVA-1*:@041614z4340.60N/07547.96W'171/146/Mic-E/M7/E
MERGENCY!>"CO}TEST MAYDAY TEST

!T 16:14:41
!WA2ZXS>APK001,TCPIP,KB7ZVA-1*:@041615z4340.60N/07547.96W'171/146/Mic-E/M7/E
MERGENCY!>"CO}TEST MAYDAY TEST

!T 16:14:41
!WA2ZXS>APK001,TCPIP,KB7ZVA-1*:@041719z4340.60N/07547.96W'171/146/Mic-E/M7/E
MERGENCY!>"CO}TEST MAYDAY TEST

!T 16:14:43
!WA2ZXS>APK001,TCPIP,KC4OUA:@041616z4340.60N/07547.96W'171/146/Mic-E/M7/EMER
GENCY!>"CO}TEST MAYDAY TEST

!T 16:14:46 !N2KH-1>APU24N::WA2ZXS :test msg received{00

!T 16:14:52
```

```
!WA2ZXS>APK001,TCPIP,W1TYL*:@040714z4340.60N/07547.96W'171/146/Mic-E/M7/EMER
GENCY!>"CO}TEST MAYDAY TEST

!T 16:15:05
!WA2ZXS>APK001,TCPIP,W1TYL*:@040715z4340.60N/07547.96W'171/146/Mic-E/M7/EMER
GENCY!>"CO}TEST MAYDAY TEST

!T 16:15:12 !WA2ZXS>APRS,RELAY,WIDE,WIDE3-3::N5ZFG-14 :rej0B}

!T 16:15:20 !VE3FCK>APRX45::WA2ZXS :your mayday TEST is ik recieved 1222hrs
73 de Tom{10}

!T 16:15:41 !N5ZFG-14>APS212,TCPIP*::WA2ZXS :EMERGENCY< rec'd track packet
and Message{0B}

!T 16:16:09 !WA2ZXS>433U6R,RELAY,WIDE,WIDE3-3::VE3FCK :rej10}

!T 16:16:09 !WA2ZXS>433U6R,RELAY,WIDE,WIDE3-3:`gJW,]`'/>"B@}TEST MAYDAY TEST

!T 16:16:11
!WA2ZXS>APK001,TCPIP,KB7ZVA-1*:@041615z4335.61N/07546.58W'168/166/Mic-E/M7/E
MERGENCY!>"B@}TEST MAYDAY TEST

!T 16:16:11
!WA2ZXS>APK001,TCPIP,KB7ZVA-1*:@041617z4335.61N/07546.58W'168/166/Mic-E/M7/E
MERGENCY!>"B@}TEST MAYDAY TEST

!T 16:16:15
!WA2ZXS>APK001,TCPIP,W1TYL*:@040716z4335.61N/07546.58W'168/166/Mic-E/M7/EMER
GENCY!>"B@}TEST MAYDAY TEST

!T 16:16:15
!WA2ZXS>APK001,TCPIP,KB7ZVA-1*:@041616z4335.61N/07546.58W'168/166/Mic-E/M7/E
MERGENCY!>"B@}TEST MAYDAY TEST

!T 16:16:18
!WA2ZXS>APK001,TCPIP,KB7ZVA-1*:@041720z4335.61N/07546.58W'168/166/Mic-E/M7/E
MERGENCY!>"B@}TEST MAYDAY TEST

!T 16:16:33 !VE3FCK>APRX45::WA2ZXS :your mayday TEST is ik recieved 1222hrs
73 de Tom{10}

!T 16:17:03 !WA2ZXS>433U6R,WX3I-9,WIDE*:`gJW,]`'/>"B@}TEST MAYDAY TEST

!T 16:17:05
!WA2ZXS>APK001,TCPIP,KB7ZVA-1*:@041616z4335.61N/07546.58W'168/166/Mic-E/M7/E
MERGENCY!>"B@}TEST MAYDAY TEST

!T 16:17:05
!WA2ZXS>APK001,TCPIP,KB7ZVA-1*:@041618z4335.61N/07546.58W'168/166/Mic-E/M7/E
MERGENCY!>"B@}TEST MAYDAY TEST

!T 16:17:06
!WA2ZXS>APK001,TCPIP,KB7ZVA-1*:@041721z4335.61N/07546.58W'168/166/Mic-E/M7/E
MERGENCY!>"B@}TEST MAYDAY TEST

!T 16:17:07
!WA2ZXS>APK001,TCPIP,KC4OUA:@041619z4335.61N/07546.58W'168/166/Mic-E/M7/EMER
GENCY!>"B@}TEST MAYDAY TEST

!T 16:17:15 !N5ZFG-14>APS212,TCPIP*::WA2ZXS :EMERGENCY< rec'd track packet
and Message{0B}

!T 16:17:56 !WA2ZXS>APRS,K2AMB-3*,WIDE,WIDE3-3::N5ZFG-14 :rej0B}

!T 16:18:02 !KD4TQZ-14>APK101,N4BAM-3,WA4SAS-9*,WIDE::WA2ZXS :test rc'd{Y

!T 16:18:20 !VE3FCK>APRX45::WA2ZXS :your mayday TEST is ik recieved 1222hrs
73 de Tom{10}

!T 16:18:21 !WA2ZXS>APRS,K2AMB-3*,WIDE,WIDE3-3::VE3FCK :rej10}

!T 16:18:33 !WA2ZXS>APRS,VE3ZFM,VA3FOY,WIDE3*,VE3XF,I::N5ZFG-14 :rej0B}

!T 16:19:36 !N5ZFG-14>APS212,TCPIP*::WA2ZXS :EMERGENCY< rec'd track packet
and Message{0B}

!T 16:20:23 !WA2ZXS>APRS,K2AMB-3*,WIDE,WIDE3-3::N5ZFG-14 :rej0B}
```

```
!T 16:23:08 !N5ZFG-14>APS212,TCPIP*::WA2ZXS :EMERGENCY< rec'd track packet
and Message{0B}

!T 16:23:23 !WA2ZXS>APRS,RELAY,WIDE,WIDE3-3::N5ZFG-14 :rej0B}

!T 16:23:45 !KG4RXU>APK002,KS4XQ-3*,WIDE3-2,WA4DSY,IR6-6::WA2ZXS :Message
Recieve{R

!T 16:24:15 !WA2ZXS>APRS,RELAY,WIDE,WIDE3-3::N5ZFG-14 :rej0B}

!T 16:24:45 !KG4RXU>APK002,N4VDE-3*,WIDE3-3::WA2ZXS :Message Recieve{R

!T 16:25:16 !WA2ZXS>APRS,RELAY,WIDE,WIDE3-3::KG4RXU :rejR
```

----- Original Message -----
From: "Clayon H. Owen" <aa3jy@winlink.org>
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Sent: Tuesday, June 04, 2002 11:56 AM
Subject: [aprssig] PEAPRS Test

> Received the PEAPRS mic-e "MAYDAY" test @ 16:06z this date. Location first
> heard was aprox. 8 miles SE of Watertown,NY extending to near Laconia,NH.
> Callsign was WA2ZXS.
>
> AA3JY
>
> ---
> You are currently subscribed to aprssig as: spider@rivcom.net
> To unsubscribe send a blank email to leave-aprssig-842K@lists.tapr.org
> Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

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Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

125. [aprssig] APRS IS

From: "clay bartholow" <w0led@arrl.net>
Date: Tue, 4 Jun 2002 13:32:12
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-83159-2002.06.04-14.08.23--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Hi all!

I have been running an Igate here in the Minneapolis - St. Paul MN metro area for a number of months with good results in getting weather and other APRS data into the APRS IS. However, in the past week, I have found long spans of time where this data is not available via findu although I show that I am connected to the IS via (usually) AHUB central or Ahub East (port 14579).

I'm running UI-View32, latest updates, registered, etc. using a DSL connection with static IP. I have been running this configuration for several months without any but the occasional network lapse. This seems much more frequent and repeated than in the past.

Any ideas? Comments?

w0led@arrl.net

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Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

126. [aprssig] PEAPRS packets at N2RKL-15

From: Bill Owens <owens@nysernet.org>
Date: Tue, 4 Jun 2002 14:40:19 -0400
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-83160-2002.06.04-14.16.31--lyris.aprssig#tapr.org@lists.tapr.org>

Rendered body type: text/plain

Here's what I heard over the air from just north of Syracuse:

```
WA2ZXS>435W4Y,RELAY,WIDE,WIDE3-3:`gPh*qc'/>"CU}TEST MAYDAY TEST
WA2ZXS>434Y0P,RELAY,WIDE,WIDE3-3:`gN$++_'/>"C#}TEST MAYDAY TEST
WA2ZXS>434S9X,RELAY,WIDE,WIDE3-3:`gLd*gb'/>"CU}TEST MAYDAY TEST
WA2ZXS>434P6P,RELAY,WIDE,WIDE3-3:`gK}*]c'/>"CO}TEST MAYDAY TEST
WA2ZXS>434P6P,N2ZWO-10,K2AMB-3*,WIDE3-2:`gK}*]c'/>"CO}TEST MAYDAY TEST
WA2ZXS>APRS,RELAY,WIDE,WIDE3-3::N5ZFG-14 :rej0B}
WA2ZXS>433U6R,RELAY,WIDE,WIDE3-3::VE3FCK   :rej10}
WA2ZXS>433U6R,RELAY,WIDE,WIDE3-3:`gJW,]`'/>"B@}TEST MAYDAY TEST
WA2ZXS>APRS,RELAY,WIDE,WIDE3-3::N5ZFG-14 :rej0B}
WA2ZXS>APRS,RELAY,WIDE,WIDE3-3::VE3FCK   :rej10}
WA2ZXS>APRS,RELAY,WIDE,WIDE3-3::N5ZFG-14 :rej0B}
WA2ZXS>APRS,RELAY,WIDE,WIDE3-3::N5ZFG-14 :rej0B}
WA2ZXS>APRS,RELAY,WIDE,WIDE3-3::N5ZFG-14 :rej0B}
WA2ZXS>APRS,RELAY,WIDE,WIDE3-3::N5ZFG-14 :rej0B}
WA2ZXS>APRS,RELAY,WIDE,WIDE3-3::KG4RXU   :rejR
WA2ZXS>APRS,RELAY,WIDE,WIDE3-3::KG4RXU   :rejR
WA2ZXS>APRS,RELAY,WIDE,WIDE3-3::KG4RXU   :rejR
WA2ZXS>APRS,RELAY,WIDE,WIDE3-3::KG4RXU   :rejR
WA2ZXS>APRS,RELAY,WIDE,WIDE3-3::N1SEC-7  :rejZ
WA2ZXS>APRS,RELAY,WIDE,WIDE3-3::N1SEC-7  :rejZ
```

That's from the Xastir log, and here's the track with timestamps:

```
Packets received: 20     Last Heard: 06/04/2002 12:31:15
Heard last via Internet on device 0, and has moved
Data path: APRS,RELAY,WIDE,WIDE3-3
Comments:   TH-D7 Mic-E Emergency TEST MAYDAY TEST
Current Power Gain: default (9W @ 20ft HAAT, 3dB omni, range 6.2mi)
Altitude: 4314ft Course: 1680 Speed: 191.0 mph
Distance from my station: 39.8 miles  Bearing from my station: 29.90
Last Position: 06/04  12:31   43 35.620N  075 46.589W  4314ft  191mph 1680
                06/04  12:14   43 40.600N  075 47.970W  4659ft  168mph 1710
                06/04  12:11   43 43.980N  075 48.719W  4678ft  169mph 1700
                06/04  12:11   43 49.000N  075 50.080W  4514ft  174mph 1670
             +  06/04  12:06   43 57.490N  075 52.760W  4678ft  170mph 1710
```

I have a 5/8 wave at about 30' AGL with a good view to the north. I don't know if they turned on the position beacon when they were already at altitude, or that was just the first time I was able to hear them. The first packet I copied was the first one that made it to findu, so that might have been the beginning of the test. BTW, an incorrect email address was circulating for position reports; the real one is apparently peaprs@rl.af.mil.

Bill N2RKL

You are currently subscribed to aprssig as: lyris.aprssig@tapr.org
To unsubscribe send a blank email to leave-aprssig-842K@lists.tapr.org
Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

127. [aprssig] RE: APRS IS

From: Bill Diaz <william.diaz@attbi.com>
Date: Tue, 4 Jun 2002 14:46:14 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-83168-2002.06.04-15.22.33--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Clay,
It seems that AHubCentral is no longer operating. I also noticed that AHubEast seems to be down at present. Try http://www.ahubswe.net/aprs_stat.asp to see what servers or hubs are currently active.

Bill KC9XG

On Tuesday, June 04, 2002 08:32, clay bartholow [SMTP:w0led@arrl.net] wrote:

> Hi all!
>
> I have been running an Igate here in the Minneapolis - St. Paul MN metro
> area for a number of months with good results in getting weather and
other
> APRS data into the APRS IS. However, in the past week, I have found long
>
> spans of time where this data is not available via findu although I show

```
> that I am connected to the IS via (usually) AHUB central or Ahub East
(port
> 14579).
>
> I'm running UI-View32, latest updates, registered, etc. using a DSL
> connection with static IP.  I have been running this configuration for
> several months without any but the occasional network lapse.  This seems
> much more frequent and repeated than in the past.
>
> Any ideas?  Comments?
>
> w0led@arrl.net
>
> ---
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Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org
```

---

128. [aprssig] Re: APRSpoint [Sort of a first impressions/review]

From: "Brian B. Riley \(N1BQ\) ListAcct" <n1bq_list@wulfden.org>
Date: Tue, 4 Jun 2002 16:40:06 -0400
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-83172-2002.06.04-16.16.28--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

```
No, the issue was not about UIPoint, the issue was about his use of MapPoint
maps on the website ... and the complianant was an M$ MVP (wannabe) not an
M$ employee ...


-----Original Message-----
From: bounce-aprssig-25883@lists.tapr.org
[mailto:bounce-aprssig-25883@lists.tapr.org]On Behalf Of Ramon F. Kolb
Sent: Tuesday, June 04, 2002 6:17 AM
To: TAPR APRS Special Interest Group
Subject: [aprssig] Re: APRSpoint [ Sort of a first impressions/review ]



There was a long thread on the UI-View mailing list about UI-Point.
Short story: some dumbo at Microsoft (not one of their lawyers, all very
suspicious) sent Roger Barker (the author of the software) an email
telling him that UI-Point violates the EULA (end-user license agreement)
of Mappoint. Very weird, because no parts of Mappoint are distributed
with UI-Point, and UI-Point is beneficial to Microsoft because it
encourages people to buy Mappoint!

If you want to know more about it, go to the "ui-view" mailinglist at
yahoogroups.com and look for the thread "I just don't believe it".

I just want to avoid APRSpoint to go the same way, where a good software
effort is being shot down because of the idiocy of Microsoft.

--Ramón

Ramón F. Kolb, W1/PA3EUG, Boston, MA, USA [FN42KI].
http://beaconet.webhop.org for BEACONet Info !
ICQ-77117744; MSNMGR-legalalien30@hotmail.com


-----Original Message-----
From: bounce-aprssig-24121@lists.tapr.org
[mailto:bounce-aprssig-24121@lists.tapr.org] On Behalf Of
WA8LMF2@aol.com
Sent: Tuesday, June 04, 2002 02:24
To: TAPR APRS Special Interest Group
Cc: aprssig@lists.tapr.org
Subject: [aprssig] Re: APRSpoint [ Sort of a first impressions/review ]

In a message dated 6/3/02 9:22:04 PM Pacific Daylight Time,
njohnsn@iowatelecom.net writes:
```

> Anybody know anything about APRSpoint ?
>
> I saw it mentioned in the last QST:
>
> http://www.aprspoint.com

I'm an actual registered owner of it. This APRS application uses Microsoft MapPoint as it's display engine; indeed APRSpoint is actually an add-in for MapPoint; that is you MUST have MapPoint 2002 to use it. You have zoomable scrollable street-level detail similar to APRSplus/StreetAtlas or WinAPRS/Precision Mapping.

MapPoint DOES provide street-level detail in Canada as well as the United States AND major roads (but not city streets) in Mexico. MapPoint can be switched to a physical display mode where the mountains show in a raised

relief look. The soft earth tone color scheme of MapPoint is harder to see on a laptop in a car compared to Street Atlas. APRSpoint doesn't project the standard APRS icons on it's maps; rather it uses the extensive but different (and in my opinion not contrasty enough; i.e. not bright primary colors) Microsoft-provided "pushpin" icon set. It DOES use the standard MS pushpin function where you can right-click on an icon and expand a callout with all the detail for the particular station.

APRSpoint has the usual dual TNC/Internet connectivity and can do the Igate thing. It supports the mixed TNC data/local GPS data stream that the Kenwood D7/D700s produce.

The user interface is deceptively simple; almost too obvious! The main map display looks very "Microsoft-ish" with a Windows-File-Explorer-style tree in the left pane of the screen presenting sorted lists of MOBILE, FIXED, WX, etc which you expand by clicking on the little plus signs. Right clicking on a call sign calls up the last posit, status message, etc.

If you use MS Outlook, it's APRS messaging functions will look very familiar; it creates the same kind of hierarchic IN/OUT/SENT/TRASH tree using the same icons, and the "Send Message" and "Send Object" screens look an awful lot like Outlook's "Send Email" dialogs.

Unlike other APRS apps, APRSpoint WILL NOT plot track lines showing a mobile's course of travel (or dead reckoning lines, Bob!) ; only the last reported location. The beaconing is not (yet) smart; it transmits at fixed intervals and doesn't do compressed or MIc-E reports.

You can run MapPoint independent of the APRS application, but it's built-in GPS handler is really clunky compared to Delorme's (or even Microsoft's predecessor Automap product). Instead of a "breadcrumb" trail of green arrows showing your course of travel, all you get is one big fat round circle with an icon of a car in it, with NO indication which way you are going.

If you have a Pocket PC device (i.e. HP Journada, Compaq Ipaq, etc) one unexpected freebie bonus of owning MapPoint is that you can export pieces of the MapPoint map anywhere in it's coverage area, in chunks up to about 50 miles across, WITH FULL STREET DETAIL AND INDEXING to these pocket devices.
Now if only APRS-CE could work with these excellent maps .....

Stephen H. Smith   wa8lmf @ aol.com
Home Page:
http://members.aol.com/wa8lmf
Ham Radio/Mobile SSTV page: http://members.aol.com/wa8lmf/ham
APRS Stuff
http://members.aol.com/wa8lmf/aprs

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| Consulting and Systems Integration
| GPS Custom Mapping   &   Radio Coverage Surveys
| File Conversions   MS-Windows Setups   VISCII Fonts

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Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

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---

129. [aprssig] RE: PEAPRS Test

From: "Brian B. Riley \(N1BQ\) ListAcct" <n1bq_list@wulfden.org>
Date: Tue, 4 Jun 2002 16:50:21 -0400
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-83173-2002.06.04-16.26.45--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

I received it at 1612z at my location, 16 miles east of Burlington, VT.
Unfortunately its entry in the list on my D700 had scrolled off and I
cleared the EMERGENCY screen display before I recorded its location.

-----Original Message-----
From: bounce-aprssig-25883@lists.tapr.org
[mailto:bounce-aprssig-25883@lists.tapr.org]On Behalf Of Clayon H. Owen
Sent: Tuesday, June 04, 2002 11:56 AM
To: TAPR APRS Special Interest Group
Subject: [aprssig] PEAPRS Test

Received the PEAPRS mic-e "MAYDAY" test @ 16:06z this date. Location first
heard was aprox. 8 miles SE of Watertown,NY extending to near Laconia,NH.
Callsign was WA2ZXS.

AA3JY

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```

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130. [aprssig] Re: APRSpoint [Sort of a first impressions/review]

```
From: "Ramon F. Kolb" <ramon@ieee.org>
Date: Tue, 4 Jun 2002 19:09:41 -0400
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-83183-2002.06.04-18.45.58--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain
```

```
OK, I must have been mistaken then. No harm done :)

--Ramón

Ramón F. Kolb, W1/PA3EUG, Boston, MA, USA [FN42KI].
http://beaconet.webhop.org for BEACONet Info !
ICQ-77117744; MSNMGR-legalalien30@hotmail.com


-----Original Message-----
From: bounce-aprssig-24121@lists.tapr.org
[mailto:bounce-aprssig-24121@lists.tapr.org] On Behalf Of Brian B. Riley
(N1BQ) ListAcct
Sent: Tuesday, June 04, 2002 16:40
To: TAPR APRS Special Interest Group
Subject: [aprssig] Re: APRSpoint [ Sort of a first impressions/review ]

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maps on the website ... and the complianant was an M$ MVP (wannabe) not
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Ramón F. Kolb, W1/PA3EUG, Boston, MA, USA [FN42KI].
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Sent: Tuesday, June 04, 2002 02:24
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Cc: aprssig@lists.tapr.org
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Stephen H. Smith   wa8lmf @ aol.com
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http://members.aol.com/wa8lmf
Ham Radio/Mobile SSTV page: http://members.aol.com/wa8lmf/ham
APRS Stuff
http://members.aol.com/wa8lmf/aprs

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131. [aprssig] Down to 1 core server??

From: "Spider" <spider@rivcom.net>
Date: Tue, 4 Jun 2002 16:31:33 -0700
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-83185-2002.06.04-19.07.53--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Is everything broke? Second has been down for days and another one looks like it went down.

Jim

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132. [aprssig] Re: APRS HF?; Try 14.105.5LSB

From: "R. Harrison" <rh3x@erols.com>
Date: Tue, 4 Jun 2002 19:42:08 -0400
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: <aprssig@lists.tapr.org>
Message-ID: <LYR842-83190-2002.06.04-19.18.54--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

>From that perspective, certainly makes sense.

Tks

de Rich/N2JR

----- Original Message -----
From: <WA8LMF2@aol.com>
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: <aprssig@lists.tapr.org>
Sent: Monday, June 03, 2002 1:19 AM
Subject: [aprssig] Re: APRS HF?; Try 14.105.5LSB

> In a message dated 6/2/02 7:52:06 PM Pacific Daylight Time, wa4tkg@attbi.com
> writes:
>
> > Nope; Not Really.
> > It's kinda' pathetic; if you ask me.
> > It's not like 10.151.5 is a HOTBED of DX.
> > 20M is MUCH better for good APRS DX.
>
> I don't think most people using HF APRS (at least in the US!) are trying to
> set DX records. They are trying to get their posits into FINDU from remote
> areas where there is no 2-meter coverage. For this purpose, 30M is
> excellent, providing coverage of half of North America (or more) around the
> clock, ensuring you will always hit several IGATES or HF-VHF gateways
> anywhere, anytime.
>
> Stephen H. Smith   wa8lmf @ aol.com
> Home Page:
> http://members.aol.com/wa8lmf
> Ham Radio/Mobile SSTV page: http://members.aol.com/wa8lmf/ham
> APRS Stuff
> http://members.aol.com/wa8lmf/aprs
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Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

---

133. [aprssig] Re: Down to 1 core server??

From: Mark Phillips <g7ltt@g7ltt.com>
Date: Tue, 04 Jun 2002 20:42:07 -0400
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-83221-2002.06.04-20.18.16--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Mine is down right now for maintanance. The hard disk failed this afternoon.
Should be back up by the end of the week though.

Mark Phillips. G7LTT/KC2ENI
Randolph, NJ. 07869

----- Original Message -----

From: "Spider" <spider@rivcom.net>
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Sent: Tuesday, June 04, 2002 19:31
Subject: [aprssig] Down to 1 core server??

> Is everything broke? Second has been down for days and another one looks
> like it went down.
>
> Jim
>
>
>
>
>
> ---
> You are currently subscribed to aprssig as: g7ltt@g7ltt.com
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---

134. [aprssig] Central PA Digi callsign change

From: John Zilavy <kc5dri@redrose.net>
Date: Tue, 04 Jun 2002 21:42:34 -0400
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-83227-2002.06.04-21.19.36--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

CPRA's WA3KXG-2 digi changed it's callsign to W3ND-2.

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Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

---

135. [aprssig] Re: Down to 1 core server??

From: "Dick Stanich" <dick@kb7zva.com>
Date: Tue, 4 Jun 2002 21:39:11
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-83231-2002.06.04-22.15.26--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

On 06/04/02, ""Spider" <spider@rivcom.net>" wrote:
> Is everything broke? Second has been down for days and another one looks
> like it went down.
>
> Jim

Second actually has actually been up for days. It's running new software,
without a status page. It's in stealth mode <g>. He switched to javAPRSSrvr
and is doing fine.

Dick, KB7ZVA
SouthWest Arizona APRS Group
APRSWest aka AHubWest

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Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

---

136. [aprssig] Can't connect to first, second, or third.aprs.net

From: Richard Parry <rparry@actionware.sdcoxmail.com>
Date: Tue, 04 Jun 2002 21:12:57 -0700
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-83232-2002.06.04-23.49.19--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

The APRS earthquake notification service that I have been running for years
can no longer connect to any of the servers (first, second, or third). It
hasn't been able to connect for 2-3 days. Anyone know what is going on. I

read that the system was temporarily down and then came back, but I still can't connect.

http://w9if.net/iweb/quakeaprs/index.shtml

Rich Parry

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Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

137. [aprssig] Re: Down to 1 core server??

From: "Spider" <spider@rivcom.net>
Date: Tue, 4 Jun 2002 22:36:44 -0700
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-83253-2002.06.05-01.13.13--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Okay, where did he go? Ip and port???? I still can not connect to it.

Jim

----- Original Message -----
From: "Dick Stanich" <dick@kb7zva.com>
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Sent: Tuesday, June 04, 2002 9:39 PM
Subject: [aprssig] Re: Down to 1 core server??

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>
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>
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138. [aprssig] Re: Cheap TinyTrak

From: "J.Duffy Beischel" <wb8nut@arrl.net>
Date: Wed, 5 Jun 2002 6:26:9
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-83279-2002.06.05-07.02.25--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

The use of "TinyTrak" is a trademark infringement.

Stealing the firmware is another infringement.

Clearly a cause for legal action. Since it is international, I think the State Department may be of some help. Byon, start by calling your congressman and senators.

Duffy - WB8NUT

p.s. - Your board is far superior when comparing just the pictures

---
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139. [aprssig] New Feature for All APRS Client Software

From: "hasan schiers" <schiers@netins.net>
Date: Wed, 5 Jun 2002 08:43:12 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-83303-2002.06.05-09.20.06--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Rick Edwards raised an interesting question about why we see garbaged wx packets on the D7 and D700. They are, of course, the result of "raw" wx packets being transmitted by remote stand alone weather stations, like the Peet Bros. They cannot be decoded by the D7 or D700 and result in a ?? being placed on the display. This is a well known problem.

Bob, WB4APR included a "decode/translate and retransmit" feature into aprsDATA, that solves the problem, but not in a very efficient manner. New software, new hardware. Silly, but functional.

Now...here's an idea. All the APRS client software (APRS+SA, WinAPRS, UIview, pocketAPRS, Xastir, aprsCE, etc.) should have the capability to translate and retransmit just like aprsDATA does. Then the problem would be solved. (Although we would have to watch out for network congestion.) We wouldn't want ten local stations retransmitting the same translated raw weather packet, just like we don't want ten local stations all running aprsDATA. We only need as many of them as are required for "local" coverage in each area. If the client software had this capability and a "switch" for ON/OFF, that would allow us to take care of the problem once and for all, WITHOUT having to add new computers, tnc's and radios.

Is there some obvious reason I have missed why this feature has not been incorporated into ANY of the software listed above? It would fill in a hole without having to spend more money. Surely it couldn't be that processor or memory intensive? I understand that it might just be a matter of priorities in that the authors have bigger fish to fry.

In any case, I hope that Brian and the Bros. Sproul (representing by far the greatest user base) will consider adding this feature to their APRS software. There are a LOT of "stand alone" remote weather stations out there...and driving around staring at "??" is not particularly functional. Admittedly, this is no where near as important as receiving wx warnings while driving around...but that already works great as it is currently implemented.

Feedback? 73

hasan schiers, N0AN
schiers@netins.net

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---

140. [aprssig] Re: Can't connect to first, second, or third.aprs.net

From: Chuck Byam <cbyam@virginia.edu>
Date: Wed, 5 Jun 2002 09:48:19 -0400
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-83304-2002.06.05-09.24.43--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

On Wednesday 05 June 2002 00:12, Richard Parry wrote:
: The APRS earthquake notification service that I have been running for years
: can no longer connect to any of the servers (first, second, or third). It
: hasn't been able to connect for 2-3 days. Anyone know what is going on. I
: read that the system was temporarily down and then came back, but I still
: can't connect.
:
: http://w9if.net/iweb/quakeaprs/index.shtml
:
: Rich Parry
:

:

first.aprs.net

```
kg4ijb@xenon kg4ijb]$ uptime
  9:39am    up  35 days, 17:02,  3 users,  load average: 11.96, 12.82, 13.39
```

[note: load... java's not known for being lean]

server uptime: 12 Days 21 Hours 54 Mins 15.57 Secs
Current Inbound connections: 181

Someone is connecting...

Chuck

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141. [aprssig] 9 byte callsign support?

From: "Scott Anderson" <scottra@usa.net>
Date: Wed, 5 Jun 2002 8:52:11
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-83305-2002.06.05-09.28.30--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Good Morning,

I see in the APRS spec that source and destination addresses are limited to 7 bytes, but if you operate in some other countries you need to add a prefix to your callsign (example in Kyrgyzstan I would become EX/VE7OLF), bringing the address up to 9 bytes. Is the APRS system hard-coded to prevent using a longer address, will PCSAT digipeat such an address, or any of the windows software gate it properly?

73, Scott

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142. [aprssig] Re: 9 byte callsign support?

From: "Gregg G. Wonderly" <gregg@skymaster.c2-tech.com>
Date: Wed, 05 Jun 2002 08:57:52 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: TAPR APRS Special Interest Group <aprssig@lists.tapr.org>
Message-ID: <LYR842-83307-2002.06.05-09.34.05--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

>I see in the APRS spec that source and destination addresses are limited to
>7 bytes, but if you operate in some other countries you need to add a
>prefix to your callsign (example in Kyrgyzstan I would become EX/VE7OLF),
>bringing the address up to 9 bytes. Is the APRS system hard-coded to
>prevent using a longer address, will PCSAT digipeat such an address, or any
>of the windows software gate it properly?

This has been discussed here before. For operations in the US, you should include the longer, full callsign within a status packet or as data in other packets where possible. In non-US countries, you need to follow their requirements for identification.

The 7 byte limitation is an artifact of the implementation of AX.25 and there is no easy way to circumvent that. So, you have to identify using an alternate means based on the requirements of the country you are in.
-----
gregg@c2-tech.com (C2 Technologies Inc)

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143. [aprssig] Re: 9 byte callsign support?

From: Steve Dimse <k4hg@tapr.org>
Date: Wed, 5 Jun 2002 10:02:51 -0400
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: TAPR APRS Special Interest Group <aprssig@lists.tapr.org>
Message-ID: <LYR842-83308-2002.06.05-09.39.49--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

On 6/5/02 8:52 AM, scottra@usa.net (Scott Anderson) wrote:

>I see in the APRS spec that source and destination addresses are
>limited to 7 bytes, but if you operate in some other countries you
>need to add a prefix to your callsign (example in Kyrgyzstan I would
>become EX/VE7OLF), bringing the address up to 9 bytes. Is the APRS
>system hard-coded to prevent using a longer address, will PCSAT
>digipeat such an address, or any of the windows software gate it
>properly?
>
AX-25 is limited to 6 characters and the SSID...it is not an APRS
limitation per se, though many APRS programs use the same limits.

Steve K4HG

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144. [aprssig] Re: New Feature for All APRS Client Software

From: Steve Dimse <k4hg@tapr.org>
Date: Wed, 5 Jun 2002 10:20:28 -0400
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: TAPR APRS Special Interest Group <aprssig@lists.tapr.org>
Message-ID: <LYR842-83309-2002.06.05-09.56.55--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

On 6/5/02 8:43 AM, schiers@netins.net (hasan schiers) wrote:

>Rick Edwards raised an interesting question about why we see
>garbaged wx packets on the D7 and D700. They are, of course, the
>result of "raw" wx packets being transmitted by remote stand alone
>weather stations, like the Peet Bros. They cannot be decoded by the
>D7 or D700 and result in a ?? being placed on the display. This is a
>well known problem.
>
>Bob, WB4APR included a "decode/translate and retransmit" feature
>into aprsDATA, that solves the problem, but not in a very efficient
>manner. New software, new hardware. Silly, but functional.
>
>Is there some obvious reason I have missed why this feature has not
>been incorporated into ANY of the software listed above? It would
>fill in a hole without having to spend more money. Surely it
>couldn't be that processor or memory intensive? I understand that it
>might just be a matter of priorities in that the authors have bigger
>fish to fry.
>
Coordinating between different translating clients would be difficult
if not impossible, and channel congestion would rise greatly.
Furthermore, the data in the Peet brothers weather packet does not
match APRS fields, for example in the U2K logger mode the wind is
reported as instantaneous rather than average or sustained, and
rainfall is cumulative rather than 1hr/24hr/midnight, so a true
conversion is not possible at all. At least nw we know when data is in
Peet format what it represents, a simple mapping to fields that don't
match would make it hard to figure out what the data actually
represented.

Give that the Peet formats are not exactly the data APRS needs, and
the Kenwoods do not read them, a better solution is to place a
computer or microcontroller between the weather station and TNC to do
the conversion. A long time ago I did such a beast on a 16F84 to solve
a different problem, I needed the Peet in complete record mode to
support my weather pictures, but I wanted to send the weather data in
APRS format. With today's Pics with built-in serial ports and more
memory it would be a piece of cake.

Steve K4HG

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145. [aprssig] map problem

From: N4QWF@aol.com
Date: Wed, 5 Jun 2002 11:22:06 EDT
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-83320-2002.06.05-10.58.27--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Anyone having trouble with the new version and map size. I don't seem to be able to resize the map. Using Precision Mapping 3.5. Got any suggestions.
Thanks 73's << John

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146. [aprssig] Re: map problem

From: "Roy Bost" <rbost@itexas.net>
Date: Wed, 5 Jun 2002 10:54:39 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-83326-2002.06.05-11.31.02--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

I thought WinAPRS 2.6.0 only worked with PM 5.0.

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147. [aprssig] Pmap 3.0

From: Frosty6981@aol.com
Date: Wed, 5 Jun 2002 12:03:11 EDT
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-83327-2002.06.05-11.39.30--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Are there any plans to fix the PM 3.0 and 3.5 bug? Or do we need to get new software?

73, Reid KCØIDI

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148. [aprssig] Re: map problem

From: Robbie Robertson <mwrobertson@attbi.com>
Date: Wed, 05 Jun 2002 11:07:10 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: TAPR APRS Special Interest Group <aprssig@lists.tapr.org>
Message-ID: <LYR842-83329-2002.06.05-11.42.51--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

I thought I'd read where it is NOT backward compatible at
this moment. Hang in there, or run 2.5.1 until ??

Robbie

Roy Bost wrote:
>
> I thought WinAPRS 2.6.0 only worked with PM 5.0.
>
> ---
> You are currently subscribed to aprssig as: mwrobertson@attbi.com
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--

- Robbie Robertson -
...-.- wa9inf ...-.-

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149. [aprssig] Re: New Feature for All APRS Client Software

From: Bob Bruninga <bruninga@usna.edu>
Date: Wed, 5 Jun 2002 12:34:43 -0400 (EDT)
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: TAPR APRS Special Interest Group <aprssig@lists.tapr.org>
Message-ID: <LYR842-83335-2002.06.05-12.11.00--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

On Wed, 5 Jun 2002, hasan schiers wrote:
>
> Bob, WB4APR included a "decode/translate and retransmit" feature into
> aprsDATA, that solves the problem, but not in a very efficient manner..
>
> Now...here's an idea. All the APRS client software (APRS+SA, WinAPRS,
> UIview, pocketAPRS, Xastir, aprsCE, etc.) should have the capability to
> translate and retransmit just like aprsDATA does. Then the problem would be
> solved.

But since there only needs to be one APRSdata in each major
area, if there isn't one, then put one there. If there is one,
then enable the WX conversion. I guess if it was just a click of
a mouse included in every copy of every client program, then
human nature wouild assure us that most of the time we would have
too many people with this feature enabled and we would be wasting
a lot of time policing the network.

ANyway, just a thought. It does DOUBLE the weather load on a given
channel, so no matter who does it, it needs to be done with caution..

Bob

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150. [aprssig] Re: New Feature for All APRS Client Software

From: "hasan schiers" <schiers@netins.net>
Date: Wed, 5 Jun 2002 11:58:55 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-83345-2002.06.05-12.35.41--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Thanks Bob,

It would double the weather load from that specific stand-alone.

We have 3 in "range". If we make it too convenient it might get abused. I
suggested it be included in the client software but defaulted to off.

We must be spoiled out here in the sticks. We don't have nearly the problem
coordinating our efforts that seems to pop up all the time.

You may have hit on the real issue, if you make the solution too accessible,
it will result in mindless use of the feature and clog the network. I had
not considered that as a real problem, but it probably is, or at least would
be in some areas.

Additonally, from Steve's comments, it appears that the entire concept may
be flawed in that the wx data being reported by the Peets is wrong, (at
least in some minor way). I'm waiting to hear the results of that one. It
may be that the rain and wind are wrong and everything else is right, but
that still makes for "wrong data". My guess is we have chosen to live with
this limited "wrongness", and if that is true, then that part of the
discussion is a bit of a red-herring.

The only real issue that remains then, is congestion, which "ought" to be
able to be managed locally, but neither you nor Steve seem all that
optimistic about that taking place <grin>.

It's as if the very solution I was looking for becomes the new problem. It
is by design that you have to have the will and interest to put up a new

machine, new software, new radio, and new antenna. Otherwise everyone might
do it. There is a certain appeal to this line of thinking, but something
about it bothers me....I'm just not sure what it is. <vbg>

73 and thanks
----- Original Message -----
From: "Bob Bruninga" <bruninga@usna.edu>
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Sent: Wednesday, June 05, 2002 11:34 AM
Subject: [aprssig] Re: New Feature for All APRS Client Software

> On Wed, 5 Jun 2002, hasan schiers wrote:
> >
> > Bob, WB4APR included a "decode/translate and retransmit" feature into
> > aprsDATA, that solves the problem, but not in a very efficient manner..
> >
> > Now...here's an idea. All the APRS client software (APRS+SA, WinAPRS,
> > UIview, pocketAPRS, Xastir, aprsCE, etc.) should have the capability to
> > translate and retransmit just like aprsDATA does. Then the problem would
be
> > solved.
>
> But since there only needs to be one APRSdata in each major
> area, if there isn't one, then put one there. If there is one,
> then enable the WX conversion. I guess if it was just a click of
> a mouse included in every copy of every client program, then
> human nature wouild assure us that most of the time we would have
> too many people with this feature enabled and we would be wasting
> a lot of time policing the network.
>
> ANyway, just a thought. It does DOUBLE the weather load on a given
> channel, so no matter who does it, it needs to be done with caution..
>
> Bob
>
>
>
> ---
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>
>

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151. [aprssig] Re: New Feature for All APRS Client Software

From: Steve Dimse <k4hg@tapr.org>
Date: Wed, 5 Jun 2002 13:05:09 -0400
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: TAPR APRS Special Interest Group <aprssig@lists.tapr.org>
Message-ID: <LYR842-83347-2002.06.05-12.41.28--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

On 6/5/02 11:43 AM, schiers@netins.net (hasan schiers) wrote:

>That's an interesting bunch of information. It appears then that the
>aprsDATA program that includes the translation is more of an
>"approximation" than I had thought. If I understand you correctly,
>the reformatting being done with aprsDATA is "flawed" as it exists
>right now and cannot be fixed at the "over the air" level. Any
>program that attempted to incorporate aprsDATA's alogrithim for
>translating would suffer the same problem. (In fact any program,
>including the current crop of aprs clients, relying on the raw data
>string even directly from the Peet would suffer the same problems,
>no?)
>
I do not know anything about aprsDATA, but since it only has what it
gets on the air to work with, say one instantaneous reading every 5
minutes, there is no way it can come up with an average wind speed.

It would be possible for the program to track the rainfall, and
produce the three APRS fields of data, I cannot say if it does so or

simply does a simple conversion. Looking at the data should tell you
this quickly. I'm guessing this data is transmitted in third party
format (data payload starts the "}" and a TNC style packet follows),
right? If so the converted data will not appear on findU so I can't
answer the question from here.

>Do home weather stations suffer the same problem? It seems like they
>would. The raw data string coming from the Peet is decoded and
>formatted into aprs compatible strings and then transmitted as a
>weather packet....isn't that right?
>
Different situation, the APRS software has access to every report, I
think it is two seconds in the peet data logger format, so it is quite
possible to calculate an average wind speed. What each program
actually does is a question each individual author would need to
answer for themselves.

Most programs that report rainfall do seem to do the calculation and
report the correct values, though I can say that MacAPRS still has
problems with the Peet Complete Record Mode and rainfall since
midnight. It does get the 1 hour correct.

>If that's true, then all wx reports from Peet's suffer the same
>problem depending on the mode the Peet is set to, and it has nothing
>to do with stand-alone vs. home connected to aprs client.
>
The problem would be limited to weather stations that transmit the raw
data from the weather stations. Peet is the only manufacturer that
this is possible with, but stations connected to a client program
which transmits data in APRS format would not be affected.

>I guess I'm really confused. The raw packet that contains the info
>from the Peet is nothing more than the raw ascii string (in hex)
>coming from the Peet...it is not reformatted, it is a pass through.
>If the raw information is wrong, then the home station, stand-alone
>or translation program can't possibly be right.
>
>Is this correct? Our current generation of aprs clients with wx
>stations attached are producing erroneous data.

Completely incorrect conclusion. This difference is aprsDATA is only
getting one data point ever 5 minutes, while an APRS client program is
connected continously and getting each data point, so it can generate
a true average (at least within 2 second granularity), and can track
the gust. Certainly one could write a bad client program that simply
took the instant wind speed and threw it into the packet, but that
would violate the APRS spec. Again, something each APRS client author
would need to answer.

>In our particular area I think we see 3 different stand-alone wx
>stations transmitting. aprsDATA translates them and retransmits. Is
>this a significant load?

No, but if every WinAPRS user did it would. Coordination of such
things is difficult, and again, any wind conversion is going to be
flawed, but because it in an APRS style packet there is no way to tell
whether it is accurate or not. Best is to get it right at the source.

Steve K4HG

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152. [aprssig] RE: Pmap 3.0

From: Bill Diaz <william.diaz@attbi.com>
Date: Wed, 5 Jun 2002 12:09:08 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-83349-2002.06.05-12.45.34--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Reid,
  What PM 3.x bug are you referring to?

Bill KC9XG

On Wednesday, June 05, 2002 11:03, Frosty6981@aol.com [SMTP:Frosty6981@aol.com] wrote:
> Are there any plans to fix the PM 3.0 and 3.5 bug? Or do we need to get new

> software?
>
> 73, Reid KCOIDI
>
> ---
> You are currently subscribed to aprssig as: kc9xg@attbi.com
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>
>

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Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

153. [aprssig] Re: map problem

From: "Jimmy Burkhalter" <kb5wio@tcac.net>
Date: Wed, 5 Jun 2002 12:16:03 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-83350-2002.06.05-12.52.26--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

What I have found that if you don't run the PM5.0 bat file you can still use
the old maps (3.0 & 3.5)

http://www.findu.com/cgi-bin/find.cgi?call=kb5wio-9&radar=***

Jimmy Burkhalter   KB5WIO
Amarillo, Texas

kb5wio@tcac.net

35:9:6 N 101:52:332 W

-----Original Message-----
From: bounce-aprssig-29244@lists.tapr.org
[mailto:bounce-aprssig-29244@lists.tapr.org]On Behalf Of Roy Bost
Sent: Wednesday, June 05, 2002 10:55 AM
To: TAPR APRS Special Interest Group
Subject: [aprssig] Re: map problem

I thought WinAPRS 2.6.0 only worked with PM 5.0.

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Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

154. [aprssig] Re: New Feature for All APRS Client Software

From: Phil Reed <preed@dnaco.net>
Date: Wed, 05 Jun 2002 13:35:53 -0400
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: TAPR APRS Special Interest Group <aprssig@lists.tapr.org>
Message-ID: <LYR842-83351-2002.06.05-13.16.33--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

At 12:34 PM 6/5/2002 -0400, Bob Bruninga wrote:
>On Wed, 5 Jun 2002, hasan schiers wrote:
> >
> > Bob, WB4APR included a "decode/translate and retransmit" feature into
> > aprsDATA, that solves the problem, but not in a very efficient manner..
> >
> > Now...here's an idea. All the APRS client software (APRS+SA, WinAPRS,
> > UIview, pocketAPRS, Xastir, aprsCE, etc.) should have the capability to
> > translate and retransmit just like aprsDATA does. Then the problem would be
> > solved.
>
>But since there only needs to be one APRSdata in each major
>area, if there isn't one, then put one there. If there is one,
>then enable the WX conversion. I guess if it was just a click of
>a mouse included in every copy of every client program, then
>human nature wouild assure us that most of the time we would have
>too many people with this feature enabled and we would be wasting

>a lot of time policing the network.

Then the next step would be to implement a protocol in all APRS programs
that implement this translation such that if a particular program heard
this conversion, it wouldn't bother. Don't make it a manual option - have
the programs absolutely refuse to rebroadcast the converted packets if
somebody else is already doing the conversion.

...phil / w8sca

"For a list of all the ways technology has failed
to improve the quality of life, press 3."

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---

155. [aprssig] Re: New Feature for All APRS Client Software

From: Bob Bruninga <bruninga@usna.edu>
Date: Wed, 5 Jun 2002 13:57:19 -0400 (EDT)
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: TAPR APRS Special Interest Group <aprssig@lists.tapr.org>
Message-ID: <LYR842-83352-2002.06.05-13.33.38--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

One solution would be to run APRSdata or any other lookalike and convert
all WX data to a single consistent APRSwx foramt and put that out on a
different frequency. AND up the reporting rate substantially. Then you
could just tune to that frequency and in about 40 seconds get a complete
dump of the 40 nearest WX stations right there on the front of your
radio...

Bob

> Thanks Bob,
>
> It would double the weather load from that specific stand-alone.
>
> We have 3 in "range". If we make it too convenient it might get abused. I
> suggested it be included in the client software but defaulted to off.
>
> You may have hit on the real issue, if you make the solution too accessible,
> it will result in mindless use of the feature and clog the network. I had
> not considered that as a real problem, but it probably is, or at least would
> be in some areas.
>
> It's as if the very solution I was looking for becomes the new problem. It
> is by design that you have to have the will and interest to put up a new
> machine, new software, new radio, and new antenna. Otherwise everyone might
> do it. There is a certain appeal to this line of thinking, but something
> about it bothers me....I'm just not sure what it is. <vbg>
>
> 73 and thanks
k

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---

156. [aprssig] Re: New Feature for All APRS Client Software

From: "hasan schiers" <schiers@netins.net>
Date: Wed, 5 Jun 2002 14:21:04 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: "TAPR APRS Special Interest Group \(E-mail\)" <aprssig@lists.tapr.org>
Message-ID: <LYR842-83361-2002.06.05-14.57.20--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Thanks Steve, that clears it up. There is no practical solution for
aprsDATA.

It will not have accurate indications of wind .

If, however, the only interest is cleaning up the stand-alone remotes so they can be read on the D7/700's, then it's either aprsDATA with built in limitations on wind/rain or the client software doing the same thing with the same limitations.

I see how the integration or summary period could be properly done by the home weather station, so the only problem is with stand-alone remotes.

Thanks for taking the time to explain it. 73

p.s. thanks also to Bob for his input.

hasan schiers, N0AN

schiers@netins.net
or use amsat.org or arrl.net remailer
----- Original Message -----
From: "Steve Dimse" <k4hg@tapr.org>
To: "hasan schiers" <schiers@netins.net>

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157. [aprssig] TNC timeouts

From: Bob Bruninga <bruninga@usna.edu>
Date: Wed, 5 Jun 2002 15:59:04 -0400 (EDT)
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-83362-2002.06.05-15.35.18--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Dumb question.   I can't remember, and on a quick scan through the KPC-3 book, I could not find the command that sets a connecction timeout for a TNC.

Maybe I am remembering only a command for the PBBS...

I want a connection to the TNC to timeout after a certain time... if someone connects and then never disconnects....

Maybe I am thinking of the AX25v2-L2 which will send back and forth check packets and will disconnect if there is no response to a CHECK packet. But still if the connectee walks away and his TNC remains with his radio on, that will never timeout either..

What have I forgotten?
 Bob

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158. [aprssig] Re: map problem

From: Earl Needham <needhame@yucca.net>
Date: Wed, 05 Jun 2002 14:37:27 -0600
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-83383-2002.06.05-16.14.18--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

At 12:16 PM 6/5/2002 -0500, Jimmy Burkhalter wrote:
>What I have found that if you don't run the PM5.0 bat file you can still use
>the old maps (3.0 & 3.5)

Won't do it here -- instead, I get the following message:

"Precision Mapping has not been registered on this machine Please register it first, then it will work with WinAPRS"

I've tried both 2.6.0 and 2.6.1. Jimmy, count yourself lucky! <G>

7 3
Earl

Earl Needham, KD5XB, Clovis, New Mexico DM84jk
KD5XB-2>APW251,PCSAT-1*:=3425.83N/10313.55W-PHG7150/WinAPRS 2.5.1
-EARL_CLOVIS -251-<630>
Did you get a letter from Nigeria offering a "deal"? See
http://home.rica.net/alphae/419coal/ and
http://www.crimes-of-persuasion.com/Crimes/Business/nigerian.htm

---
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159. [aprssig] Re: TNC timeouts

From: Robbie Robertson <mwrobertson@attbi.com>
Date: Wed, 05 Jun 2002 15:44:34 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: TAPR APRS Special Interest Group <aprssig@lists.tapr.org>
Message-ID: <LYR842-83388-2002.06.05-16.20.09--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

CHECK n   (n = 0 - 255)

default = 0

This "timeout" command is used to prevent a "hang-up in a
connected mode when a link failure occurs as a result of
conditions beyond control of the connected stations.... The
value entered for "n" is the number of ten second intervals
to wait during "no activity" before making a periodic check
(poll) to determine that a connection state still exists.

If n equals 0, this "timeout" function is disabled. While
using Version 1 (AX25l2vV2 OFF), a check timeout will
initiate a disconnect.

Robbie

Bob Bruninga wrote:

> Dumb question.   I can't remember, and on a quick scan through the KPC-3
> book, I could not find the command that sets a connecction timeout for a
> TNC.
>
> Maybe I am remembering only a command for the PBBS...
>
> I want a connection to the TNC to timeout after a certain time... if
> someone connects and then never disconnects....
>
> Maybe I am thinking of the AX25v2-L2 which will send back and forth check
> packets and will disconnect if there is no response to a CHECK packet.
> But still if the connectee walks away and his TNC remains with his radio
> on, that will never timeout either..
>
> What have I forgotten?
> Bob
>
> ---
> You are currently subscribed to aprssig as: mwrobertson@attbi.com
> To unsubscribe send a blank email to leave-aprssig-842K@lists.tapr.org
> Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

--

- Robbie Robertson -
...-.- wa9inf ...-.-

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160. [aprssig] Re: TNC timeouts

From: Bob Bruninga <bruninga@usna.edu>
Date: Wed, 5 Jun 2002 16:59:19 -0400 (EDT)
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: TAPR APRS Special Interest Group <aprssig@lists.tapr.org>
Message-ID: <LYR842-83392-2002.06.05-16.35.33--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Thanks, but that wont disconnect a user that has walked away from a
conntected TNC with a good path... still looking....
bob

On Wed, 5 Jun 2002, Robbie Robertson wrote:

> CHECK n   (n = 0 - 255)
>
> default = 0
>
> This "timeout" command is used to prevent a "hang-up in a
> connected mode when a link failure occurs as a result of
> conditions beyond control of the connected stations.... The
> value entered for "n" is the number of ten second intervals
> to wait during "no activity" before making a periodic check
> (poll) to determine that a connection state still exists.
>
> If n equals 0, this "timeout" function is disabled. While
> using Version 1 (AX25l2vV2 OFF), a check timeout will
> initiate a disconnect.
>
> Robbie

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161. [aprssig] Re: TNC timeouts

From: "Ronald Reams" <wa4mjf@worldnet.att.net>
Date: Wed, 5 Jun 2002 17:19:48 -0400
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-83393-2002.06.05-16.55.59--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

KNtimer n (n=0-255) default 15 minutes.

73 de Ronnie

----- Original Message -----
From: "Bob Bruninga" <bruninga@usna.edu>
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Sent: Wednesday, June 05, 2002 15:59
Subject: [aprssig] TNC timeouts

Dumb question.   I can't remember, and on a quick scan through the KPC-3
book, I could not find the command that sets a connecction timeout for a
TNC.

Maybe I am remembering only a command for the PBBS...

I want a connection to the TNC to timeout after a certain time... if
someone connects and then never disconnects....

Maybe I am thinking of the AX25v2-L2 which will send back and forth check
packets and will disconnect if there is no response to a CHECK packet.
But still if the connectee walks away and his TNC remains with his radio
on, that will never timeout either..

What have I forgotten?
 Bob

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162. [aprssig] Re: map problem

From: "Jimmy Burkhalter" <kb5wio@tcac.net>
Date: Wed, 5 Jun 2002 16:21:12 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-83394-2002.06.05-16.57.52--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

What you need to do to get PM3.0 & 3.5 to work with 2.6.1 First go back to
2.5.1 and create several PM windows then save the window configure. Then go
back to 2.6.1 and they will open up. You just can't open up new windows.
Also don't install the PM5.0 bat file. At least it works for me here.

http://www.findu.com/cgi-bin/find.cgi?call=kb5wio-9&radar=***

Jimmy Burkhalter   KB5WIO
Amarillo, Texas

kb5wio@tcac.net

35:9:6 N 101:52:332 W

-----Original Message-----
From: bounce-aprssig-29244@lists.tapr.org
[mailto:bounce-aprssig-29244@lists.tapr.org]On Behalf Of Earl Needham
Sent: Wednesday, June 05, 2002 3:37 PM
To: TAPR APRS Special Interest Group
Subject: [aprssig] Re: map problem

At 12:16 PM 6/5/2002 -0500, Jimmy Burkhalter wrote:
>What I have found that if you don't run the PM5.0 bat file you can still
use
>the old maps (3.0 & 3.5)

Won't do it here -- instead, I get the following message:

"Precision Mapping has not been registered on this machine Please
register it first, then it will work with WinAPRS"

I've tried both 2.6.0 and 2.6.1. Jimmy, count yourself lucky! <G>

7 3
Earl

Earl Needham, KD5XB, Clovis, New Mexico DM84jk
KD5XB-2>APW251,PCSAT-1*:=3425.83N/10313.55W-PHG7150/WinAPRS 2.5.1
-EARL_CLOVIS -251-<630>
Did you get a letter from Nigeria offering a "deal"? See
http://home.rica.net/alphae/419coal/ and
http://www.crimes-of-persuasion.com/Crimes/Business/nigerian.htm

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163. [aprssig] Re: map problem

From: "Cap Pennell" <cap@cruzio.com>
Date: Wed, 5 Jun 2002 14:49:02 -0700
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-83395-2002.06.05-17.25.23--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

It works. Thanks Jimmy. I only opened one PM 3.0 window in WinAPRS 2.5.1
and then File,Save Window Config to the WinAPRS folder. Then closed
WinAPRS and installed 2.6.1 update. Then, after starting WinAPRS 2.6.1,
there was (a square) PM3.0 window working FB!
73, Cap KE6AFE

> -----Original Message-----
> From: bounce-aprssig-1953@lists.tapr.org

> [mailto:bounce-aprssig-1953@lists.tapr.org]On Behalf Of Jimmy Burkhalter
> Sent: Wednesday, June 05, 2002 2:21 PM
> To: TAPR APRS Special Interest Group
> Subject: [aprssig] Re: map problem
>
>
> What you need to do to get PM3.0 & 3.5 to work with 2.6.1 First go back to
> 2.5.1 and create several PM windows then save the window
> configure. Then go
> back to 2.6.1 and they will open up. You just can't open up new windows.
> Also don't install the PM5.0 bat file. At least it works for me here.

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---

164. [aprssig] Re: map problem

From: Bill Diaz <william.diaz@attbi.com>
Date: Wed, 5 Jun 2002 17:41:46 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-83404-2002.06.05-18.18.40--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

While it may be possible to display the zoomed out 3.x maps with 2.6.x, i
am pretty sure that you will not be able to zoom in and see any detail. I
had that problem when I first installed WinAprs 2.6.x Not sure that any of
the PMap search functions will still work. In any case, WinAprs 2.6.x was
designed for use with PMap 5.0. However, based on other posts to the sig,
3.x maps seems to work ok for some. Your mileage may vary.

If you have any PMap registration difficulty with WinAprs using the PMAP
5.0 maps, run Traveler.Exe (should be in the PMap50 directory) and register
it when the registration dialog appears. WinAprs requires that the maps be
registered before it will use them AFAIK.

The registration dialog allows you to register over the Internet, over the
phone (800 number) or register later.

If you elect to register over the Internet, you will have to use your
browser to go to http://www.RegisterMyApp.com to register. You will be
asked to supply your product code. The product code is found at the top of
the PMap registration display window and it should start with 1039- Once
you register at RegisterMyApp you will be given a serial number. This
serial number must be entered into the PMap 5.0 registration window. Write
the number down somewhere (on the printed material in the PMap 5.0 jewel
case for example) in case you need to re-install it.

Note that it may be easier to register by phone. The number is
1-800-257-9244. Have the product code (1039-xxxx) ready to give to the
operator.

You must also run PMap5.bat (comes with WinAprs 2.6.x) or something similar
to register the OCX included in the WinAPRS distribution. Once you do
this WinAprs 2.6.x should work with the PMap.50 maps.

Bill KC9XG

Bill KC9XG

On Wednesday, June 05, 2002 15:37, Earl Needham [SMTP:needhame@yucca.net]
wrote:
> At 12:16 PM 6/5/2002 -0500, Jimmy Burkhalter wrote:
> >What I have found that if you don't run the PM5.0 bat file you can still
use
> >the old maps (3.0 & 3.5)
>
> Won't do it here -- instead, I get the following message:
>
> "Precision Mapping has not been registered on this machine
Please
> register it first, then it will work with WinAPRS"
>
> I've tried both 2.6.0 and 2.6.1. Jimmy, count yourself lucky!
<G>

```
>
>          7 3
>          Earl
>
>
> Earl Needham, KD5XB, Clovis, New Mexico  DM84jk
> KD5XB-2>APW251,PCSAT-1*:=3425.83N/10313.55W-PHG7150/WinAPRS 2.5.1
> -EARL_CLOVIS -251-<630>
> Did you get a letter from Nigeria offering a "deal"?  See
> http://home.rica.net/alphae/419coal/ and
> http://www.crimes-of-persuasion.com/Crimes/Business/nigerian.htm
>
>
> ---
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Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org
```

165. [aprssig] Re: map problem

From: "Cap Pennell" <cap@cruzio.com>
Date: Wed, 5 Jun 2002 17:13:52 -0700
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-83413-2002.06.05-19.50.06--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

```
Bill KC9XG wrote:
> While it may be possible to display the zoomed out 3.x maps with 2.6.x, i
> am pretty sure that you will not be able to zoom in and see any
> detail.  I
> had that problem when I first installed WinAprs 2.6.x  Not sure
> that any of
> the PMap search functions will still work.  In any case, WinAprs
> 2.6.x was
> designed for use with PMap 5.0. However, based on other posts to the sig,
> 3.x maps seems to work ok for some.  Your mileage may vary.
<snip>

I'm finding PM 3.0 does indeed work as well as it did in WinAPRS 2.5.1,
using the setup technique already mentioned.  Using WinAPRS 2.6.1, the PM
3.0 detail and other functions (including searches) work exactly as they did
in 2.5.1.  The only difference is that the max window size is square, rather
than rectangular!
FWIW.
73, Cap KE6AFE <waiting for PM 5.0 to arrive in the mail>



---
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```

166. [aprssig] Re: map problem

From: Earl Needham <needhame@yucca.net>
Date: Wed, 05 Jun 2002 18:38:05 -0600
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-83430-2002.06.05-20.17.11--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

```
At 04:21 PM 6/5/2002 -0500, Jimmy Burkhalter wrote:
>What you need to do to get PM3.0 & 3.5 to work with 2.6.1 First go back to
>2.5.1 and create several PM windows then save the window configure. Then go
>back to 2.6.1 and they will open up. You just can't open up new windows.
>Also don't install the PM5.0 bat file. At least it works for me here.

         Well!  It DOES work!

         But as others have noted, the window won't maximize.  Oh well, it
still works FB!  <G>

         7 3
         Earl
```

```
Earl Needham, KD5XB, Clovis, New Mexico  DM84jk
KD5XB-2>APW251,PCSAT-1*:=3425.83N/10313.55W-PHG7150/WinAPRS 2.5.1
-EARL_CLOVIS -251-<630>
Did you get a letter from Nigeria offering a "deal"?  See
http://home.rica.net/alphae/419coal/ and
http://www.crimes-of-persuasion.com/Crimes/Business/nigerian.htm


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```

167. [aprssig] FW: ARLB031 Second Precision Emergency Automated Position Reporting system test set

From: "Jack Smith" <jrs38801@bellsouth.net>
Date: Wed, 5 Jun 2002 19:42:53 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-83431-2002.06.05-20.19.13--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

```
They're gonna do another PEAPRS test.  Keep an eye out for it!

Jack KE4LWT

SB QST @ ARL $ARLB031
ARLB031 Second Precision Emergency Automated Position Reporting
system test set

ZCZC AG31
QST de W1AW
ARRL Bulletin 31  ARLB031
>From ARRL Headquarters
Newington CT  June 5, 2002
To all radio amateurs

SB QST ARL ARLB031
ARLB031 Second Precision Emergency Automated Position Reporting
system test set

The Air Force Research Lab, Rome (New York) Research Site, is
conducting an experiment using Amateur Radio operators as an
auxiliary line of defense against aircraft disasters. The Precision
Emergency Automated Position Reporting System (PEAPRS) test is being
carried out in conjunction with the annual Team Patriot exercise.
The ARRL is co-sponsoring the test.

The first of two aircraft flights this week occurred June 4, and a
second will take place on or before June 8. The aircraft will
transmit an APRS distress message on 144.39 MHz, using the call sign
WA2ZXS. Amateurs receiving the message are requested to e-mail
peaprs@rl.af.mil detailing the time, characteristics of the message
received and the method they used for reception--whether direct, via
digipeater, via wide relay, the Internet or other means.

Those lacking e-mail capability may participate by calling their
observation info into the PEAPRS Command Center at 315-330-7444.

The exercise will attempt to measure the timeliness and accuracy of
the amateur reports received. Participating amateurs will qualify
for a special certificate from ARRL recognizing their efforts.
NNNN
/EX

---
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Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org
```

168. [aprssig] Problems with OnCore GPS receiver

From: "Robert G. Chimel, WA3LWR" <wa3lwr01@epix.net>
Date: Wed, 5 Jun 2002 20:56:13 -0400
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-83432-2002.06.05-20.32.03--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

```
Hi,
```

A while back I bought a used Oncore GPS unit and did not get around to
playing with it. WHen I did connect it, the location it sent was off by
several hundred miles. I sent a message via the sig and received several
messages suggesting that I let it run for a day so it could reset. I have
let it run for several days and while I cannot be sure that the location it
is transmitting is the same, it is way off from 4130.55 07540.70 that it
should be. THis is what it is sending every ten seconds
$GPRMC,,V,4152.9000,N,08808.7667,W,,,,2.0,W*60.

Any suggestions on how I can get the system to reset and see the correct
location?

Thanks
Bob

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Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

---

169. [aprssig] Re: map problem

From: "Jimmy Burkhalter" <kb5wio@tcac.net>
Date: Wed, 5 Jun 2002 20:10:28 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-83437-2002.06.05-20.46.46--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Thank what you will when I say it works fine here for me that means it
zooms, it searches, it scrolls, it goes street level. The only thing I can't
do is look into the window on the street I am zoomed in on. I use PM3.0

-----Original Message-----
From: bounce-aprssig-29244@lists.tapr.org
[mailto:bounce-aprssig-29244@lists.tapr.org]On Behalf Of Bill Diaz
Sent: Wednesday, June 05, 2002 5:42 PM
To: TAPR APRS Special Interest Group
Subject: [aprssig] Re: map problem

While it may be possible to display the zoomed out 3.x maps with 2.6.x, i
am pretty sure that you will not be able to zoom in and see any detail. I
had that problem when I first installed WinAprs 2.6.x Not sure that any of
the PMap search functions will still work. In any case, WinAprs 2.6.x was
designed for use with PMap 5.0. However, based on other posts to the sig,
3.x maps seems to work ok for some. Your mileage may vary.

If you have any PMap registration difficulty with WinAprs using the PMAP
5.0 maps, run Traveler.Exe (should be in the PMap50 directory) and register
it when the registration dialog appears. WinAprs requires that the maps be
registered before it will use them AFAIK.

The registration dialog allows you to register over the Internet, over the
phone (800 number) or register later.

If you elect to register over the Internet, you will have to use your
browser to go to http://www.RegisterMyApp.com to register. You will be
asked to supply your product code. The product code is found at the top of
the PMap registration display window and it should start with 1039- Once
you register at RegisterMyApp you will be given a serial number. This
serial number must be entered into the PMap 5.0 registration window. Write
the number down somewhere (on the printed material in the PMap 5.0 jewel
case for example) in case you need to re-install it.

Note that it may be easier to register by phone. The number is
1-800-257-9244. Have the product code (1039-xxxx) ready to give to the
operator.

You must also run PMap5.bat (comes with WinAprs 2.6.x) or something similar
to register the OCX included in the WinAPRS distribution. Once you do
this WinAprs 2.6.x should work with the PMap.50 maps.

Bill KC9XG

Bill KC9XG

On Wednesday, June 05, 2002 15:37, Earl Needham [SMTP:needhame@yucca.net]

```
wrote:
> At 12:16 PM 6/5/2002 -0500, Jimmy Burkhalter wrote:
> >What I have found that if you don't run the PM5.0 bat file you can still
use
> >the old maps (3.0 & 3.5)
>
>          Won't do it here -- instead, I get the following message:
>
>          "Precision Mapping has not been registered on this machine
Please
> register it first, then it will work with WinAPRS"
>
>          I've tried both 2.6.0 and 2.6.1.  Jimmy, count yourself lucky!
 <G>
>
>          7 3
>          Earl
>
>
> Earl Needham, KD5XB, Clovis, New Mexico  DM84jk
> KD5XB-2>APW251,PCSAT-1*:=3425.83N/10313.55W-PHG7150/WinAPRS 2.5.1
> -EARL_CLOVIS -251-<630>
> Did you get a letter from Nigeria offering a "deal"?  See
> http://home.rica.net/alphae/419coal/ and
> http://www.crimes-of-persuasion.com/Crimes/Business/nigerian.htm
>
>
> ---
> You are currently subscribed to aprssig as: kc9xg@attbi.com
> To unsubscribe send a blank email to leave-aprssig-842K@lists.tapr.org
> Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

---
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---
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Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org
```

---

170. [aprssig] Re: Problems with OnCore GPS receiver

From: Gregg Martell <gmartell@pobox.com>
Date: Wed, 05 Jun 2002 21:34:26 -0400
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-83439-2002.06.05-21.07.53--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

```
Bob,

Since you are receiving NMEA strings, I assume you have attached to the GPS
with WinCore or SynTac to configure the unit.  How many satellites is the
gps seeing?  If you are running the unit inside a building, you many never
have tracked enough satellites to get a lock or even build an
almanac.  I've seen some pretty far off coordinates if the almanac hasn't
been built.

Both WinCore and Syntac have diagnositic messages, that might give you a
clue to what else might be causing the problem.

Gregg
kb3gmv

08:56 PM 6/5/02 -0400, Robert G. Chimel, WA3LWR wrote:
>Hi,
>
>A while back I bought a used Oncore GPS unit and did not get around to
>playing with it.  WHen I did connect it, the location it sent was off by
>several hundred miles.  I sent a message via the sig and received several
>messages suggesting that I let it run for a day so it could reset.  I have
>let it run for several days and while I cannot be sure that the location it
>is transmitting is the same, it is way off from 4130.55 07540.70 that it
>should be.  THis is what it is sending every ten seconds
>$GPRMC,,V,4152.9000,N,08808.7667,W,,,,2.0,W*60.
>
>Any suggestions on how I can get the system to reset and see the correct
>location?
```

```
>
>Thanks
>Bob
>
>
>---
>You are currently subscribed to aprssig as: gmartell@pobox.com
>To unsubscribe send a blank email to leave-aprssig-842K@lists.tapr.org
>Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org


---
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Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org
```

171. [aprssig] RF ID tags

From: "Wes Johnston" <wes@johnston.net>
Date: Thu, 6 Jun 2002 00:06:26 -0400
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-83451-2002.06.05-23.42.53--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

```
I've been reading tonight about RFID tags made by texas instruments.  Reason
being that I have just ordered a speedpass and was wondering what else I
could use the speedpass key fob for.  Anyway, upon reading their site, I
found http://www.ti.com/tiris/docs/solutions/sports.shtml which shows a RF
ID tag attached to someone's shoe strings.  This got me thinking.  The
system could be used to track people in an EOC and the data retransmitted
onto aprs via the proximity digi method we used with indoor trackers in
Dayton.  The antennas seem to be a bit pricey, but the transponders are dirt
cheap at about $4 each.  The chip to demodulate the data is $6, plus a $70
antenna (bummer).  For what it's worth, these systems operate on 134.2khz
(look out LOWfers).  They also mention that the transponders are used in the
Boston marathon, which brings all sorts of ideas for the MS150 bike races to
mind.....

just thinking....

Wes


---
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Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org
```

172. [aprssig] Ultimeter 100 serial port break out

From: "Guy Story, KC5GOI" <kc5goi@kc5goi.net>
Date: Wed, 5 Jun 2002 23:16:12 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-83453-2002.06.05-23.52.26--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

```
Does anyone have the pin outs on teh Ultimeter 100 serial port?  I need to
build a cable for 2 of them.

73

--
Guy Story, KC5GOI
Itel-Tigerbyte LLC
gstory@tigerbyte.com
940.891.4575

---
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Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org
```

173. [aprssig] Re: RF ID tags

From: Jeff King <jeff@aerodata.net>
Date: Thu, 6 Jun 2002 00:24:11 -0400
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-83454-2002.06.05-23.55.42--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Wes:

There are also some good application notes on the MicroChip web site
regarding ID tags similar to what you speak of.

Good idea you had.

-Jeff

On Thu, 6 Jun 2002 00:06:26 -0400, Wes Johnston wrote:
>I've been reading tonight about RFID tags made by texas instruments.
>Reason
>being that I have just ordered a speedpass and was wondering what
>else I
>could use the speedpass key fob for.

You are currently subscribed to aprssig as: lyris.aprssig@tapr.org
To unsubscribe send a blank email to leave-aprssig-842K@lists.tapr.org
Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

174. [aprssig] Re: TNC timeouts

From: Bob Bruninga <bruninga@usna.edu>
Date: Thu, 6 Jun 2002 08:35:09 -0400 (EDT)
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: TAPR APRS Special Interest Group <aprssig@lists.tapr.org>
Message-ID: <LYR842-83492-2002.06.06-08.11.32--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

On Wed, 5 Jun 2002, Ronald Reams wrote:

> KNtimer n (n=0-255) default 15 minutes.

Nope, that only applies to KA-Node operation.
thanks.... still loooking
Bob
>
> 73 de Ronnie
>
>
> ----- Original Message -----
> From: "Bob Bruninga" <bruninga@usna.edu>
> To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
> Sent: Wednesday, June 05, 2002 15:59
> Subject: [aprssig] TNC timeouts
>
>
> Dumb question.   I can't remember, and on a quick scan through the KPC-3
> book, I could not find the command that sets a connecction timeout for a
> TNC.
>
> Maybe I am remembering only a command for the PBBS...
>
> I want a connection to the TNC to timeout after a certain time... if
> someone connects and then never disconnects....
>
> Maybe I am thinking of the AX25v2-L2 which will send back and forth check
> packets and will disconnect if there is no response to a CHECK packet.
> But still if the connectee walks away and his TNC remains with his radio
> on, that will never timeout either..
>
> What have I forgotten?
> Bob

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Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

175. [aprssig] Re: TNC timeouts

From: "Ronald Reams" <wa4mjf@worldnet.att.net>
Date: Thu, 6 Jun 2002 09:00:04 -0400
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-83495-2002.06.06-08.36.25--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Well, I'm not sure there is one for the TNC.

I chat with friends on SEDAN and we take long breaks
and stay connected.   Kinda like an I'net chat room.

73 de Ronnie

----- Original Message -----
From: "Bob Bruninga" <bruninga@usna.edu>
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Sent: Thursday, June 06, 2002 08:35
Subject: [aprssig] Re: TNC timeouts

On Wed, 5 Jun 2002, Ronald Reams wrote:

> KNtimer n (n=0-255) default 15 minutes.

Nope, that only applies to KA-Node operation.
thanks.... still loooking
Bob
>
> 73 de Ronnie

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Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

176. [aprssig] Re: Ultimeter 100 serial port break out

From: "George Kammerzell" <n0zed@rmaprs.org>
Date: Thu, 6 Jun 2002 07:10:48 -0600
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-83498-2002.06.06-08.47.05--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Guy , go to www.peetbros.com , the info is posted there and very easy to
follow
n0zed
----- Original Message -----
From: "Guy Story, KC5GOI" <kc5goi@kc5goi.net>
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Sent: Wednesday, June 05, 2002 10:16 PM
Subject: [aprssig] Ultimeter 100 serial port break out

> Does anyone have the pin outs on teh Ultimeter 100 serial port? I need to
> build a cable for 2 of them.
>
> 73
>
> --
> Guy Story, KC5GOI
> Itel-Tigerbyte LLC
> gstory@tigerbyte.com
> 940.891.4575
>
> ---
> You are currently subscribed to aprssig as: n0zed@rmaprs.org
> To unsubscribe send a blank email to leave-aprssig-842K@lists.tapr.org
> Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org
>
>

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To unsubscribe send a blank email to leave-aprssig-842K@lists.tapr.org
Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

177. [aprssig] Cheap Temp monitor

From: Doug Ferrell <kd4moj@kd4moj.org>
Date: Thu, 06 Jun 2002 09:13:52 -0400
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-83500-2002.06.06-08.53.13--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

```
Greets:

        I would like to monitor the temperature in my outdoor cabinet (since it's
in full sun) that houses one of my APRS digi's. Anyone know of a cheap way
of doing this besides a full-fledged WX station? probably a temp packet
about every 30 minutes would suffice so I could see how hot the cabinet is.


..DOUG
kd4moj
           Tallahassee Florida: Home of the Virtual President
    Where am I?????  ----------->>>>      http://map.findu.com/kd4moj
    http://www.tallahassee-scanner.com  Scanning Tallahassee Florida
  +----------------------------------------------------------------------+
  | Doug Ferrell                                           (850) 575-7119 |
  | kd4moj@kd4moj.org, http://www.kd4moj.org           Fax (850) 575-6577 |
  | Amateur Radio & Television (ATV), APRS               APRS 144.390 Mhz |
 _| 3027.27N / 08420.80W  Tallahassee Florida     131.8 CTCSS 444.400 Mhz |_



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Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org
```

178. [aprssig] RE: RF ID tags

From: LAIRD STANTON <LAIRD_STANTON@alexandria-emh1.army.mil>
Date: Thu, 6 Jun 2002 09:24:31 -0400
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-83502-2002.06.06-09.04.36--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

```
R/C model car racers use a similar tag but I don't think the antenna is
that expensive.  Don't know the frequency though.


Laird
N3HLL

   -----Original Message-----
   From:   "Wes Johnston" <wes@johnston.net>@AMC
   Sent:   Wednesday, June 05, 2002 9:06 PM
   To:     "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
   Subject:  [aprssig] RF ID tags

   (Embedded image moved to file: pic22091.pcx)
   I've been reading tonight about RFID tags made by texas instruments.
   Reason
   being that I have just ordered a speedpass and was wondering what
   else I
   could use the speedpass key fob for.  Anyway, upon reading their
   site, I
   found http://www.ti.com/tiris/docs/solutions/sports.shtml
```

[Attachment: pic22091.pcx; application/octet-stream; 2,707 bytes]

179. [aprssig] Re: Problems with OnCore GPS receiver

From: "Andrew Rich" <andrew.rich@bigpond.com>
Date: Thu, 6 Jun 2002 23:38:01 +1000
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-83504-2002.06.06-09.13.53--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

```
$GPRMC,,V,4152.9000,N,08808.7667,W,,,,2.0,W*60.

This is a GPS out of range of the SATS ....the "V" is the Clue.

Move into a better location and check your antenna

Out of Lock

$GPRMC,110922,V,,,,,,,030202,,*3B
$GPRMC,110924,V,,,,,,,030202,,*3D
$GPRMC,110926,V,,,,,,,030202,,*3F
```

```
$GPRMC,110928,V,,,,,,,030202,,*31
$GPRMC,110930,V,,,,,,,030202,,*38
```

In lock, the "V" changes to a "A"

```
$GPRMC,110931,A,2734.458,S,15306.220,E,000.0,360.0,030202,011.4,E*68
$GPRMC,110932,A,2734.459,S,15306.221,E,000.0,360.0,030202,011.4,E*6B
$GPRMC,110934,A,2734.457,S,15306.221,E,000.0,360.0,030202,011.4,E*63
$GPRMC,110936,A,2734.458,S,15306.221,E,000.0,360.0,030202,011.4,E*6E
$GPRMC,110938,A,2734.457,S,15306.223,E,000.0,360.0,030202,011.4,E*6D
$GPRMC,110940,A,2734.457,S,15306.223,E,000.0,360.0,030202,011.4,E*62
```

www.users.bigpond.com/andrew.rich/vk4tec.htm

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Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

---

180. [aprssig] RE: Cheap Temp monitor

From: "Andrew Rich" <andrew.rich@bigpond.com>
Date: Thu, 6 Jun 2002 23:39:56 +1000
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-83505-2002.06.06-09.15.40--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

I have seen a 555 timer and a thermistor as part of an RC oscillator.

Temp changes, RC changes, tone changes, calibrate Freq of tone to temp.

Easy Peasy

-----Original Message-----
From: bounce-aprssig-23621@lists.tapr.org
[mailto:bounce-aprssig-23621@lists.tapr.org]On Behalf Of Doug Ferrell
Sent: Thursday, 6 June 2002 23:14
To: TAPR APRS Special Interest Group
Subject: [aprssig] Cheap Temp monitor

Greets:

I would like to monitor the temperature in my outdoor cabinet (since it's in full sun) that houses one of my APRS digi's. Anyone know of a cheap way of doing this besides a full-fledged WX station? probably a temp packet about every 30 minutes would suffice so I could see how hot the cabinet is.

```
..DOUG
kd4moj
           Tallahassee Florida: Home of the Virtual President
    Where am I?????  ----------->>>>      http://map.findu.com/kd4moj
    http://www.tallahassee-scanner.com  Scanning Tallahassee Florida
  +-----------------------------------------------------------------------+
  | Doug Ferrell                                           (850) 575-7119 |
  | kd4moj@kd4moj.org, http://www.kd4moj.org           Fax (850) 575-6577 |
  | Amateur Radio & Television (ATV), APRS               APRS 144.390 Mhz |
 _| 3027.27N / 08420.80W  Tallahassee Florida     131.8 CTCSS 444.400 Mhz |_
```

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Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

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Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

---

181. [aprssig] Re: Cheap Temp monitor

From: "Mike Yetsko" <myetsko@insydesw.com>
Date: Thu, 6 Jun 2002 09:45:54 -0400

To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-83508-2002.06.06-09.23.30--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

If you are amendable to writing some code, check out the Dallas
Semi 'One-Wire' temperature sensors. Neat devices. And pretty
accurate.

The issue would be that you would have to interface with the 'One-Wire'
interface. But a PIC or something like a Z8+ would be easy to do.

Mike

----- Original Message -----
From: "Doug Ferrell" <kd4moj@kd4moj.org>
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Sent: Thursday, June 06, 2002 9:13 AM
Subject: [aprssig] Cheap Temp monitor

```
> Greets:
>
> I would like to monitor the temperature in my outdoor cabinet (since
it's
> in full sun) that houses one of my APRS digi's. Anyone know of a cheap
way
> of doing this besides a full-fledged WX station? probably a temp packet
> about every 30 minutes would suffice so I could see how hot the cabinet
is.
>
>
> ..DOUG
> kd4moj
>    Tallahassee Florida: Home of the Virtual President
>     Where am I?????  ---------->>>>      http://map.findu.com/kd4moj
>     http://www.tallahassee-scanner.com Scanning Tallahassee Florida
>
+-----------------------------------------------------------------------+
>   | Doug Ferrell                                           (850)
575-7119 |
>   | kd4moj@kd4moj.org, http://www.kd4moj.org           Fax (850)
575-6577 |
>   | Amateur Radio & Television (ATV), APRS               APRS 144.390
Mhz |
>  _| 3027.27N / 08420.80W  Tallahassee Florida     131.8 CTCSS 444.400
Mhz |_
>
>
>
> ---
> You are currently subscribed to aprssig as: myetsko@insydesw.com
> To unsubscribe send a blank email to leave-aprssig-842K@lists.tapr.org
> Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org
>
>
```

\---
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182. [aprssig] Cheap Temp monitor

From: "Craig Brunson" <Brunson1@gte.net>
Date: Thu, 6 Jun 2002 07:12:06 -0700
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-83513-2002.06.06-09.48.21--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Using the circuit below:

```
          thermistor
5v ---/\/\/\-----,
                   v           4.7k
         10k    /\/\/\/\-*-/\/\/\/\---com
                          |___ to analog input of  KPC3+
```

Get a Radio Shack Thermistor #271-110A for $1.99.
Use the 5v source in the KPC3 for a reference voltage.
Make a voltage divider from a 10k trimpot # 271-282, and a 4.7k resistor.

This gives you a voltage from 0 - 5v, which translates to a count of 0 to 255.
You can 'calibrate' it using ice @32 degrees & boiling water @ ~212 degrees
(& freeze spray for colder temps)
Make a chart of count vs. temperature to 'read' the temperature over the air.

Also a simple 2 resistor divider makes a 0-25v voltage monitor.

73
Craig/N7TSZ

> Greets:
>
> I would like to monitor the temperature in my outdoor cabinet (since it's
> in full sun) that houses one of my APRS digi's. Anyone know of a cheap way
> of doing this besides a full-fledged WX station? probably a temp packet
> about every 30 minutes would suffice so I could see how hot the cabinet is.
>
> ..DOUG
> kd4moj

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---

183. [aprssig] Re: Cheap TinyTrak

From: Hamish Moffatt <hamish@cloud.net.au>
Date: Fri, 7 Jun 2002 00:19:09 +1000
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-83514-2002.06.06-09.55.25--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

On Wed, Jun 05, 2002 at 06:26:09AM +0000, J.Duffy Beischel wrote:
> The use of "TinyTrak" is a trademark infringement.

The gctelecomar.com web page does not mention TinyTrak.

> Stealing the firmware is another infringement.

Yes although the license agreement on the byonics.com web site
is not particularly strong.

Hamish
--
Hamish Moffatt VK3SB <hamish@debian.org> <hamish@cloud.net.au>

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Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

---

184. [aprssig] Re: New Feature for All APRS Client Software

From: Hamish Moffatt <hamish@cloud.net.au>
Date: Fri, 7 Jun 2002 00:22:33 +1000
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: TAPR APRS Special Interest Group <aprssig@lists.tapr.org>
Message-ID: <LYR842-83515-2002.06.06-09.58.54--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

On Wed, Jun 05, 2002 at 08:43:12AM -0500, hasan schiers wrote:
> Now...here's an idea. All the APRS client software (APRS+SA, WinAPRS,
> UIview, pocketAPRS, Xastir, aprsCE, etc.) should have the capability to
> translate and retransmit just like aprsDATA does. Then the problem would be

Most APRS software has the capability to translate Mic-E packets to
standard APRS format eg aprsdigi (the linux one) can do it on
packets it repeats, aprsd can do it on packets it sends to the
Internet etc.

Now we're at the point that that translation is undesirable and
we want everyone to turn it off. For one thing, most clients understand
Mic-E data. But more importantly, it turned out to be a big source
of bugs and hence duplicate packets in the network.

I suggest that translating weather data in the same way would
be a similarly bad idea.

Hamish
--
Hamish Moffatt VK3SB <hamish@debian.org> <hamish@cloud.net.au>

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Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

185. [aprssig] Re: New Feature for All APRS Client Software

From: "hasan schiers" <schiers@netins.net>
Date: Thu, 6 Jun 2002 10:38:11 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-83526-2002.06.06-11.14.28--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

I agree, it was a lousy idea. That's why I posted it...to find out what was
wrong with my thinking.

<grin>

Thanks to all for thinking about it. The real problem was the solution was
worse than the problem.
Making it easier to translate/retransmit creates more problems than it
solves!

73

...hasan

----- Original Message -----
From: "Hamish Moffatt" <hamish@cloud.net.au>
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Sent: Thursday, June 06, 2002 9:22 AM
Subject: [aprssig] Re: New Feature for All APRS Client Software

> On Wed, Jun 05, 2002 at 08:43:12AM -0500, hasan schiers wrote:
> > Now...here's an idea. All the APRS client software (APRS+SA, WinAPRS,
> > UIview, pocketAPRS, Xastir, aprsCE, etc.) should have the capability to
> > translate and retransmit just like aprsDATA does. Then the problem would
be
>
> Most APRS software has the capability to translate Mic-E packets to
> standard APRS format eg aprsdigi (the linux one) can do it on
> packets it repeats, aprsd can do it on packets it sends to the
> Internet etc.
>
> Now we're at the point that that translation is undesirable and
> we want everyone to turn it off. For one thing, most clients understand
> Mic-E data. But more importantly, it turned out to be a big source
> of bugs and hence duplicate packets in the network.
>
> I suggest that translating weather data in the same way would
> be a similarly bad idea.
>
> Hamish
> --
> Hamish Moffatt VK3SB <hamish@debian.org> <hamish@cloud.net.au>
>
> ---
> You are currently subscribed to aprssig as: schiers@netins.net
> To unsubscribe send a blank email to leave-aprssig-842K@lists.tapr.org
> Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org
>
>

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Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

186. [aprssig] MIM for balloon

From: "Bud Talbot" <kb9wvg@arrl.net>
Date: Thu, 6 Jun 2002 10:57:58
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-83530-2002.06.06-11.34.10--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Greetings all-

myself and another teacher are trying to put together a balloon launch unit for our classes (High School) next year. We would like to transmit gps data, temp, pressure and radiation using APRS. Any suggestions on the interface in the balloon? Can I still get a MIM to feed all of that data in AX.25 to the radio? Any expertise would be appreciated.

I've already lobbied some people for gps and GM tube donations. We'll see how that goes.

73

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Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

187. [aprssig] Slightly off topic-for sale

From: "Mike Cox" <ki5df@cox.net>
Date: Thu, 6 Jun 2002 10:58:35 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-83531-2002.06.06-11.34.28--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

I have the following APRS related items for sale. I wanted to offer them here before going to ebay with them.

1. Kenwood THD7A, (does not have the G upgrade) plus the following accesories:
    MAHA MH C888 quick charger and THD7 battery cup
    BT11 AA battery holder for D7A
    PG-3J cigarette lighter charger/ps for D7A
    Kenwood black case for D7A
    GPS and PC cables
    $325.00 plus shipping

2. Kenwood TM D700a plus the following accesories:
    Mic extension cable
    GPS cable
    $475.00 plus shipping

3. Rand McNally GPS receiver. Don't remember the model #.
    This is the one designed for a laptop and mobile operations.
    $40.00 plus shipping

4. Garmin GPS 40
    35.00 plus shipping

5. Kantronics KPC3 plus ver. 8.3
    $125.00 plus shipping

All items are working order and guarenteed to not be DOA.

If interested please email me off sig. ki5df@cox.net

Thanks, Mike

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188. [aprssig] RE: APRS IS (Also SE I-10 Coverage)

From: "Rich Garcia" <k4gps@bellsouth.net>
Date: Thu, 6 Jun 2002 13:06:36 -0400
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-83553-2002.06.06-12.42.30--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

I just returned from a 10 day trip west and was trying to use several of the AHUBS while mobile. Many locations along my route on Interstate 10 from

South Florida to Austin TX did not have any APRS coverage. Armed with a 3G PCMCIA phone I was able to connect to the IS and get my position out while blasting down the interstate but it was very unstable.

I am not able to offer much facts since it was tough playing with the laptop while towing a trailer but I would often connect get a few stations and the stream would go dead, not fail but go dead. I would try another hub and the same would happen or it would connect but no data would pass. This was not a phone issue since I would not drop the call and it happened a few times while I was stopped or in a hotel room.

FYI COVERAGE: Notes taken show that APRS RF coverage in Western LA is zilch till you get to Baton Rouge, AL coverage only in Mobile and FL Panhandle coverage is there but the TX side has some problems. Digi's would hear me but I would decode very few if any packets. Portions of TX that I traveled seemed very well covered except for a short time between Houston on I-10 and where the Austin Region starts on 71.

A digi in the Lake Charles LA area at a high location may very well link up the Baton Rouge and Houston regions. Plenty of population in that area if anyone has contacts there.

Rich K4GPS
k4gps@bellsouth.net

-----Original Message-----
From: bounce-aprssig-19959@lists.tapr.org
[mailto:bounce-aprssig-19959@lists.tapr.org]On Behalf Of Bill Diaz
Sent: Tuesday, June 04, 2002 3:46 PM
To: TAPR APRS Special Interest Group
Subject: [aprssig] RE: APRS IS

Clay,
It seems that AHubCentral is no longer operating. I also noticed that AHubEast seems to be down at present. Try http://www.ahubswe.net/aprs_stat.asp to see what servers or hubs are currently active.

Bill KC9XG

On Tuesday, June 04, 2002 08:32, clay bartholow [SMTP:w0led@arrl.net] wrote:
> Hi all!
>
> I have been running an Igate here in the Minneapolis - St. Paul MN metro
> area for a number of months with good results in getting weather and
other
> APRS data into the APRS IS. However, in the past week, I have found long

> spans of time where this data is not available via findu although I show
> that I am connected to the IS via (usually) AHUB central or Ahub East
(port
> 14579).
>
> I'm running UI-View32, latest updates, registered, etc. using a DSL
> connection with static IP. I have been running this configuration for
> several months without any but the occasional network lapse. This seems
> much more frequent and repeated than in the past.
>
> Any ideas? Comments?
>
> w0led@arrl.net
>
> ---
> You are currently subscribed to aprssig as: kc9xg@attbi.com
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> Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org
>
>
>

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Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

---

189. [aprssig] RE: APRS IS (Also SE I-10 Coverage)

From: "Eric Christensen, KF4OTN" <kf4otn@cox.net>
Date: Thu, 6 Jun 2002 15:04:49 -0400
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-83585-2002.06.06-14.42.50--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Aren't they still on the old APRS frequency down there? I remember
seeing a map somewhere that showed the APRS coverage down in the
southern part of LA being a different frequency. Not that this helps
you with "regular" APRS coverage, but maybe an explanation. Just
FYI.

73s,
Eric KF4OTN

----- Original Message -----
From: "Rich Garcia" <k4gps@bellsouth.net>
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Sent: Thursday, June 06, 2002 13:06
Subject: [aprssig] RE: APRS IS (Also SE I-10 Coverage)

I just returned from a 10 day trip west and was trying to use several
of the
AHUBS while mobile. Many locations along my route on Interstate 10
from
South Florida to Austin TX did not have any APRS coverage. Armed with
a 3G
PCMCIA phone I was able to connect to the IS and get my position out
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I am not able to offer much facts since it was tough playing with the
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Rich K4GPS
k4gps@bellsouth.net

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Sent: Tuesday, June 04, 2002 3:46 PM
To: TAPR APRS Special Interest Group
Subject: [aprssig] RE: APRS IS

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http://www.ahubswe.net/aprs_stat.asp to see what servers or hubs are
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Bill KC9XG

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wrote:
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East
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> 14579).
>
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> connection with static IP. I have been running this configuration
for
> several months without any but the occasional network lapse. This
seems
> much more frequent and repeated than in the past.
>
> Any ideas? Comments?
>
> w0led@arrl.net
>
> ---
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>
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wa1lou@tapr.org

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Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

190. [aprssig] HG7JMS-9 Emergency beacon

From: "Jack Smith" <jrs38801@bellsouth.net>
Date: Thu, 6 Jun 2002 17:01:01 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-83604-2002.06.06-17.37.23--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Is there anybody out there that can get hold of HG7JMS and tell him to stop
sending emergency beacons? He's been at it for 2 days now. Unless he's
being held captive in his house in the middle of town, I doubt his emergency
can have lasted this long.

Jack KE4LWT

"Victory at all costs, victory in spite of all terror, victory however long
and hard the road may be; for without victory there is no survival."
- Winston [Leonard Spencer] Churchill (1874 - 1965)

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Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

191. [aprssig] APRSdos digipeating

From: "David Thege" <dthege@ncfcomm.com>
Date: Thu, 6 Jun 2002 19:58:3
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-83634-2002.06.06-20.34.26--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

How do change the myalias in APRSDos from relay to somethning else. or is
there a way to stop the program from repeating packets addressed to relay.
I don't need it to digipeataas we already have two wtihin 35 mi of each
other.

Dave N0XBN

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To unsubscribe send a blank email to leave-aprssig-842K@lists.tapr.org
Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

192. [aprssig] FT-1500M

From: "Charles Whicker" <k4itv@bvunet.net>
Date: Thu, 6 Jun 2002 20:35:49
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-83641-2002.06.06-21.12.06--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Anyone using an FT-1500M as a tracker? I , for some unknown reason, cannot
get a proper transmit tone out of the thing from the data port thru either
a KPC-3+ or MFJ-1270C. PTT and receive works fine. Any pointer will be
appreciated.

Charlie K4ITV
Bristol, VA

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To unsubscribe send a blank email to leave-aprssig-842K@lists.tapr.org
Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

193. [aprssig] Re: FT-1500M

From: "Brian White" <bwwhite@wauknet.com>
Date: Thu, 6 Jun 2002 21:26:47 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-83644-2002.06.06-22.03.10--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Charlie,

I just tried using my FT-1500M for APRS and Packet last week as I planned on
using it for a local special event. That event was the Miller Lite Ride for
the Arts. This event draws upwards of 10,000 bike riders. Back to the
topic at hand. During testing the FT1500M was not heard very well by the
local APRS digi's. I too use the KPC-3+. The decode of the packets seemed
better then the transmit. Retaining all the same equipment except swapping
the FT1500 for my TM-V7 there was a significant increase in performance. I

tested the FT1500M at all power levels. The performance was so bad I took
it back to the dealer for warranty repair. When using the FT1500M I would
occansionly get poor signal reports. I beleive that there is something
wrong with my FT1500M as well. I also would like to hear from others.

Brian, K9LCQ
EN53va

----- Original Message -----
From: "Charles Whicker" <k4itv@bvunet.net>
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Sent: Thursday, June 06, 2002 8:35 PM
Subject: [aprssig] FT-1500M

> Anyone using an FT-1500M as a tracker? I , for some unknown reason, cannot
> get a proper transmit tone out of the thing from the data port thru either
> a KPC-3+ or MFJ-1270C. PTT and receive works fine. Any pointer will be
> appreciated.
>
> Charlie K4ITV
> Bristol, VA
>
> ---
> You are currently subscribed to aprssig as: BWHITE@EXECPC.COM
> To unsubscribe send a blank email to leave-aprssig-842K@lists.tapr.org
> Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org
>
>

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Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

194. [aprssig] Re: Problems with OnCore GPS receiver

From: Ralph Fowler <rwf@mindspring.com>
Date: Thu, 06 Jun 2002 19:16:36 -0400
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-83646-2002.06.06-22.27.44--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

The V means you have a bad fix. You want an A there.
(My memory trick: V=Very Bad A=A-OK, thanks to Mark Winingham)

On TAPRs web site they are selling the TAC (Totally Accurate Clock)
Following links, I find the software page a program that administers this
clock.
There is a 30 day demo of it at this page http://www.cnssys.com/tac32/

I have been able to use this trial version to initialize and set up Oncores
that had ceased to function or needed reinitialization.

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To unsubscribe send a blank email to leave-aprssig-842K@lists.tapr.org
Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

195. [aprssig] Re: APRSdos digipeating

From: "Richard Amirault" <ramirault@erols.com>
Date: Thu, 6 Jun 2002 22:55:18 -0400
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-83647-2002.06.06-22.30.07--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

I can see Bob hitting his head against the table (Why don't they
understand????)

Yes, it's easy to change it. and no you should not change it. EVERY station
(with few exceptions, and yours does not qualify) should have its ALIAS as
RELAY. When Bob replies he'll explain it (for the, what? .. 42nd time?)
again.

Sorry, I'm trying to joke a bit .... I realize many folks are new (and
haven't read Bob's reasonings on this .. or read the sometimes missing or
sometimes hard to find help files on this) If you really, really want to
you can (in APRSDos type O-C-T and then you are connected to the TNC ..
then use the command MYALIAS) but it's not a good idea. You'll be hurting
the network, and doing a disservice to mobiles traveling near you....again,
Bob wlll explain better than I can.

Richard Amirault   N1JDU   Boston,
MA, USA
www.erols.com/ramirault   "Go Fly A Kite"
----- Original Message -----
From: "David Thege" <dthege@ncfcomm.com>
Subject: [aprssig] APRSdos digipeating

> How do change the myalias in APRSDos from relay to somethning else. or is
> there a way to stop the program from repeating packets addressed to relay.
> I don't need it to digipeataas we already have two wtihin 35 mi of each
> other.
>
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Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

---

196. [aprssig] Re: APRSdos digipeating

From: "Dave Thege" <dthege@ncfcomm.com>
Date: Thu, 6 Jun 2002 22:19:19 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-83664-2002.06.06-22.53.42--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

I can understand the reasoning behind wanting fixed stations to act as
digipeaters but my antenna is only 10' off the roof and has a range of
around 5mi. My Digipeater is located south of town on 100ft tower in open
country and has a better repeating range. There only 4 of us running APRS in
my neck of the woods and the nearest active Digi to mine is 25 to the north
and about 50 mi to the east. There are none in Nebraska west of me to
Colorado. Most of the APRS Traffic is in Omaha and Lincoln. So it is
redundant to have my house transmitting too. Look up my call on findu and
you'll see what I mean. Dave N0XBN
----- Original Message -----
From: "Richard Amirault" <ramirault@erols.com>
To: "David Thege" <dthege@ncfcomm.com>; "TAPR APRS Special Interest Group"
<aprssig@lists.tapr.org>
Sent: Thursday, June 06, 2002 9:55 PM
Subject: Re: [aprssig] APRSdos digipeating

> I can see Bob hitting his head against the table (Why don't they
> understand????)
>
> Yes, it's easy to change it. and no you should not change it. EVERY
station
> (with few exceptions, and yours does not qualify) should have its ALIAS as
> RELAY. When Bob replies he'll explain it (for the, what? .. 42nd time?)
> again.
>
> Sorry, I'm trying to joke a bit .... I realize many folks are new (and
> haven't read Bob's reasonings on this .. or read the sometimes missing or
> sometimes hard to find help files on this) If you really, really want to
> you can (in APRSDos type O-C-T and then you are connected to the TNC ..
> then use the command MYALIAS) but it's not a good idea. You'll be hurting
> the network, and doing a disservice to mobiles traveling near
you....again,
> Bob wlll explain better than I can.
>
> Richard Amirault   N1JDU
Boston,
> MA, USA
> www.erols.com/ramirault   "Go Fly A Kite"
> ----- Original Message -----
> From: "David Thege" <dthege@ncfcomm.com>

> Subject: [aprssig] APRSdos digipeating
>
>
> > How do change the myalias in APRSDos from relay to somethning else. or
is
> > there a way to stop the program from repeating packets addressed to
relay.
> > I don't need it to digipeataas we already have two wtihin 35 mi of each
> > other.
> >
> > Dave NØXBN
>
>
>

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197. [aprssig] Good Band Opening; SE USA

From: Matthew Stennett <WA4TKG@attbi.com>
Date: Fri, 07 Jun 2002 00:04:26 -0400
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-83675-2002.06.06-23.40.44--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

We have been seeing all up & down the Eastern seaboard lately.
2M band in excellent shape these days.
Hello out there; K7PW.

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To unsubscribe send a blank email to leave-aprssig-842K@lists.tapr.org
Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

198. [aprssig] Re: APRSdos digipeating

From: "Cap Pennell" <cap@cruzio.com>
Date: Thu, 6 Jun 2002 22:22:57 -0700
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-83702-2002.06.07-01.00.27--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Yes, if there is another full-time station in your neighborhood that
digipeats RELAY and which will definitely hear _everything_ your station
will, then it _is_ a good idea to turn RELAY off in your station to reduce
duplicate packets.
Thanks, Dave!
O,C,T MYAlias NONE
73, Cap

> -----Original Message-----
> From: Dave Thege
> Sent: Thursday, June 06, 2002 8:19 PM
>
> I can understand the reasoning behind wanting fixed stations to act as
> digipeaters but my antenna is only 10' off the roof and has a range of
> around 5mi. My Digipeater is located south of town on 100ft tower in open
> country and has a better repeating range. There only 4 of us
> running APRS in
> my neck of the woods and the nearest active Digi to mine is 25 to
> the north
> and about 50 mi to the east. There are none in Nebraska west of me to
> Colorado. Most of the APRS Traffic is in Omaha and Lincoln. So it is
> redundant to have my house transmitting too. Look up my call on findu and
> you'll see what I mean. Dave N0XBN

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199. [aprssig] Re: FT-1500M

From: "Brian Frobisher \(H\)" <froby@earthlink.net>
Date: Thu, 6 Jun 2002 22:52:25 -0700
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-83705-2002.06.07-01.29.03--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

I have just purchased one and am using a packet cable the I home brewed from the Yaesu packet cable and added my own end. I am using with a Kantronics Tracker, basically a KPC-3+ and it seems to work great.

Do you have the Packet menu set to 1200? Are you sure your cable is wired to spec? Did you trace it and test with a continuity tester? The Pinouts/Color legend supplied by Yaesu are known to be BOGUS so make sure you have it wired up correctly.

WA6JFK

----- Original Message -----
From: "Charles Whicker" <k4itv@bvunet.net>
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Sent: Thursday, June 06, 2002 8:35 PM
Subject: [aprssig] FT-1500M

> Anyone using an FT-1500M as a tracker? I , for some unknown reason, cannot
> get a proper transmit tone out of the thing from the data port thru either
> a KPC-3+ or MFJ-1270C. PTT and receive works fine. Any pointer will be
> appreciated.
>
> Charlie K4ITV
> Bristol, VA
>
> ---
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> Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org
>

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---

200. [aprssig] PalmAPRS

From: David <dchesser55@attbi.com>
Date: Fri, 7 Jun 2002 00:52:10 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-83706-2002.06.07-01.30.05--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

I just purchased a Sony (clie) PEG-NR70V/U palm compatible PDA. I installed PalmAPRS which works nicely but have no idea how to interface a GPS. The unit came with a cradle with a USB connector. Sony doesn't offer any solutions on there web page as options.

David KA9NHL

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Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

---

201. [aprssig] Re: FT-1500M

From: Bill Herrmann <bherrman@spro.net>
Date: Fri, 07 Jun 2002 00:02:43 -0600
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-83708-2002.06.07-01.40.27--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

At 08:35 PM 6/6/02 +0000, Charles Whicker wrote:
>Anyone using an FT-1500M as a tracker? I , for some unknown reason, cannot
>get a proper transmit tone out of the thing from the data port thru either
>a KPC-3+ or MFJ-1270C. PTT and receive works fine.

I'm not using mine as a tracker, but am using it as the main APRS radio at home. I've primarily used it with a KPC9612+ but think I also used it with an old KPC3. I can check a KPC3+ but I'm fairly certain it will work fine since it does with the 9612.

What are you using for the data cable? I went ahead and bought the one that Yaesu sells though I've heard of others making them out of mouse extension cables and the like.

I know of a couple people that bought FT-1500's after I brought mine in for a show and tell at one of our club meetings. I'll ask them but I haven't heard of any of them having problems either.

Bill

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---

202. [aprssig] Re: FT-1500M

From: "Ev Tupis (W2EV)" <w2ev@arrl.net>
Date: Fri, 07 Jun 2002 06:04:08 -0400
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-83717-2002.06.07-05.46.09--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

"Brian Frobisher (H)" wrote:

> I have just purchased one and am using a packet cable the I home brewed from the Yaesu packet cable and added my own end. I am using with a Kantronics Tracker, basically a KPC-3+ and it seems to work great.
>
> Do you have the Packet menu set to 1200? Are you sure your cable is wired to spec? Did you trace it and test with a continuity tester? The Pinouts/Color legend supplied by Yaesu are known to be BOGUS so make sure you have it wired up correctly.

Hi Brian,
Your last sentence caught my attention. I was about to go out and purchase an FT-1500M for use with a KPC3+. What are the problems with the pinouts and color legend? I did a quick search on the web for the info and ran across this lone post (just recently placed):

- -

the pin out for the mic jack is as follows ,looking at the side of the radio, with the jack locking tange
pointing down the contacts from right to left are
1.sw2-multi function switching
2.sw1- multi function switching
3. +9v
4.GND.
5. MICROPHONE INPUT
6.PTT [CLONE]

THE DATA JACK
1. DATA IN
2. GROUND
3.PKT PTT
4.DATA OUT 9600BPS
5. DATA OUT 1200 BPS
6.SQL

HOPE THIS HELPS
DALE K8PEO

- -

My assumption that all you need to talk to the TNC is the DATA Jack's pins 1, 2, 3 and 5 is supported by http://www.packetradio.com/!TNCables/060KV.gif. What is pin 6 used for?

Ev, W2EV
--
BEACONet lets you look at the world in ways never before imagined.
http://go.to/BEACONet

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203. [aprssig] Re: FT-1500M

From: John Vause <jdv@iglou.com>
Date: Fri, 07 Jun 2002 07:25:40 -0400
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: TAPR APRS Special Interest Group <aprssig@lists.tapr.org>
Message-ID: <LYR842-83726-2002.06.07-07.02.07--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

```
Did you set the drive level on the KPC 3+?
Can you check the deviation on the 1500?

John Ackerman N8UR did a nice write up on setting deviation levels for
packet radios.
It's worth a read:

        http://www.febo.com/packet/layer-one/transmit.html


73

Charles Whicker wrote:
>
> Anyone using an FT-1500M as a tracker? I , for some unknown reason, cannot
> get a proper transmit tone out of the thing from the data port thru either
> a KPC-3+ or MFJ-1270C. PTT and receive works fine. Any pointer will be
> appreciated.
>
> Charlie K4ITV
> Bristol, VA
>
--
* John Vause  KF4ERV  jdv@igloudot.com                *
* NOTE: email address altered for benefit of Spambots *
* My favorite law: The Law of Unintended Consequences *
*                              -- John Vause          *
--

---
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```

204. [aprssig] Re: Cheap Temp monitor

From: Bob Bruninga <bruninga@usna.edu>
Date: Fri, 7 Jun 2002 09:12:41 -0400 (EDT)
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: TAPR APRS Special Interest Group <aprssig@lists.tapr.org>
Message-ID: <LYR842-83736-2002.06.07-08.49.02--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

```
Yes, this is how PCsat does all of its telemetry.  Its built into the
KPC-3+ and KPC-9612+.  Bob

On Thu, 6 Jun 2002, Craig Brunson wrote:

> Using the circuit below:
>
>            thermistor
> 5v ---/\/\/\-----,
>                      v           4.7k
>          10k    /\/\/\/\-*-/\/\/\/\---com
>                            |___ to analog input of  KPC3+
>
> Get a  Radio Shack Thermistor #271-110A for $1.99.
> Use the 5v source in the KPC3 for a reference voltage.
> Make a voltage divider from a 10k trimpot # 271-282, and a 4.7k resistor.
> This gives you a voltage from 0 - 5v, which translates to a count of 0 to
> 255.
> You can 'calibrate' it using ice @32 degrees & boiling water @ ~212 degrees
> (& freeze spray for colder temps)
> Make a chart of count vs. temperature to 'read' the temperature over the
> air.
>
```

```
> Also a simple 2 resistor divider makes a 0-25v voltage monitor.
>
> 73
> Craig/N7TSZ
>
> > Greets:
> >
> > I would like to monitor the temperature in my outdoor cabinet (since it's
> > in full sun) that houses one of my APRS digi's. Anyone know of a cheap way
> > of doing this besides a full-fledged WX station? probably a temp packet
> > about every 30 minutes would suffice so I could see how hot the cabinet
> is.
> >
> > ..DOUG
> > kd4moj
>
>
>
> ---
> You are currently subscribed to aprssig as: bruninga@usna.edu
> To unsubscribe send a blank email to leave-aprssig-842K@lists.tapr.org
> Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org
>

de WB4APR@amsat.org, Bob

PCsat WEB  page     http://www.ew.usna.edu/~bruninga/pcsat.html
ISS-APRS FAQ:       http://www.ew.usna.edu/~bruninga/iss-faq.html
CUBESAT Designs     http://www.ew.usna.edu/~bruninga/cubesat.html
APRS LIVE pages     http://www.ew.usna.edu/~bruninga/aprs.html
APRS SATELLITES     http://www.ew.usna.edu/~bruninga/astars.html
MIM/Mic-E/Mic-Lite  http://www.toad.net/~wclement/bruninga/mic-lite.html


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```

205. [aprssig] PCsat NORMAL OPS!

From: Bob Bruninga <bruninga@usna.edu>
Date: Fri, 7 Jun 2002 09:27:01 -0400 (EDT)
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-83739-2002.06.07-09.03.19--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

```
As of this morning, PCsat is back in full sun and is ON for all normal
OPS.  This condition will last for 2 weeks, so ENJOY PCsat while you can.
It should be quite usable for FieldDay..

We are sorry for the inconvenience of the last month;  We had to shut the
digipeater down  back on 10 May due to entering a period of maximum
eclipses (35%).  But now we are back in the saddle again...

de WB4APR@amsat.org, Bob

PCsat WEB  page     http://www.ew.usna.edu/~bruninga/pcsat.html
ISS-APRS FAQ:       http://www.ew.usna.edu/~bruninga/iss-faq.html
APRS SATELLITES     http://www.ew.usna.edu/~bruninga/astars.html


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Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org
```

206. [aprssig] Re: MIM for balloon

From: Bob Bruninga <bruninga@usna.edu>
Date: Fri, 7 Jun 2002 09:38:37 -0400 (EDT)
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: TAPR APRS Special Interest Group <aprssig@lists.tapr.org>
Message-ID: <LYR842-83740-2002.06.07-09.14.58--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

```
On Thu, 6 Jun 2002, Bud Talbot wrote:

> myself and another teacher are trying to put together a balloon launch unit
> for our classes (High School) next year. We would like to transmit gps
> data, temp, pressure and radiation using APRS. Any suggestions on the
```

> interface in the balloon? Can I still get a MIM to feed all of that data in
> AX.25 to the radio? Any expertise would be appreciated.

The MIM is perfect, and we have given our MIM board design to Stanford
University so thta they will put them into production. I have been doing
a terrible job of maintaining production and filling orders, to once
Stanford has figured out what they are going to charge for them, then you
will be able to get them from them...

P.S. We still sell the MIM chip for $19.90 if you want to incorporate it
into your own board layout. The only other specil chip you need is the
EEPROM and a few transistors and a 5v regulator...

Bob

---
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207. [aprssig] Re: FT-1500M

From: "Brian Frobisher \(H\)" <froby@earthlink.net>
Date: Fri, 7 Jun 2002 06:45:40 -0700
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-83741-2002.06.07-09.22.14--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

The YAESU branded cable that I purchased had a supplied
"Legend" that matched the colors of the cable to pin numbers on the molded
connector end.
The problem was that the supplied cable had at least one color (I don't
remember which one(s) that did not match with the colors specified on the
chart, I think that some of the colors also were not to the pins stated.
I wrote Yaesu and complained that the only reason I purchased their cable
was to get something with an accurate legend and I could have just cut up
some old cable and figured it out on my own, which was what I ended up doing
with theirs in any case.

----- Original Message -----
From: "Ev Tupis (W2EV)" <w2ev@arrl.net>
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Sent: Friday, June 07, 2002 3:04 AM
Subject: [aprssig] Re: FT-1500M

> "Brian Frobisher (H)" wrote:
> >
> > I have just purchased one and am using a packet cable the I home brewed
from
> > the Yaesu packet cable and added my own end. I am using with a
Kantronics
> > Tracker, basically a KPC-3+ and it seems to work great.
> >
> > Do you have the Packet menu set to 1200? Are you sure your cable is
wired to
> > spec? Did you trace it and test with a continuity tester? The
Pinouts/Color
> > legend supplied by Yaesu are known to be BOGUS so make sure you have it
> > wired up correctly.
>
> Hi Brian,
> Your last sentence caught my attention. I was about to go out and
purchase an
> FT-1500M for use with a KPC3+. What are the problems with the pinouts and
color
> legend? I did a quick search on the web for the info and ran across this
lone
> post (just recently placed):
>
> -
- -
>
> the pin out for the mic jack is as follows ,looking at the side of the
radio,
> with the jack locking tange
>   pointing down the contacts from right to left are

>   1.sw2-multi function switching
>   2.sw1- multi function switching
>   3. +9v
>   4.GND.
>   5. MICROPHONE INPUT
>   6.PTT [CLONE]
>
>   THE DATA JACK
>   1. DATA IN
>   2. GROUND
>   3.PKT PTT
>   4.DATA OUT 9600BPS
>   5. DATA OUT 1200 BPS
>   6.SQL
>
>   HOPE THIS HELPS
>   DALE K8PEO
>
> -
- -
>
> My assumption that all you need to talk to the TNC is the DATA Jack's pins
1, 2,
> 3 and 5 is supported by http://www.packetradio.com/!TNCables/060KV.gif.
What is
> pin 6 used for?
>
> Ev, W2EV
> --
> BEACONet lets you look at the world in ways never before imagined.
> http://go.to/BEACONet
>
>
> ---
> You are currently subscribed to aprssig as: froby@earthlink.net
> To unsubscribe send a blank email to leave-aprssig-842K@lists.tapr.org
> Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org
>

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Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

---

208. [aprssig] Re: FT-1500M

From: "Brian Frobisher \(H\)" <froby@earthlink.net>
Date: Fri, 7 Jun 2002 06:46:21 -0700
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-83742-2002.06.07-09.23.13--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Do you have the HT/Mobile jumper on the KPC-3 set to Mobile?

----- Original Message -----
From: "John Vause" <jdv@iglou.com>
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Sent: Friday, June 07, 2002 4:25 AM
Subject: [aprssig] Re: FT-1500M

> Did you set the drive level on the KPC 3+?
> Can you check the deviation on the 1500?
>
> John Ackerman N8UR did a nice write up on setting deviation levels for
> packet radios.
> It's worth a read:
>
> http://www.febo.com/packet/layer-one/transmit.html
>
>
> 73
>
> Charles Whicker wrote:
> >
> > Anyone using an FT-1500M as a tracker? I , for some unknown reason,

```
cannot
> > get a proper transmit tone out of the thing from the data port thru
either
> > a KPC-3+ or MFJ-1270C. PTT and receive works fine. Any pointer will be
> > appreciated.
> >
> > Charlie K4ITV
> > Bristol, VA
> >
> --
> * John Vause  KF4ERV  jdv@igloudot.com                *
> * NOTE: email address altered for benefit of Spambots *
> * My favorite law: The Law of Unintended Consequences *
> *                              -- John Vause          *
> --
>
> ---
> You are currently subscribed to aprssig as: froby@earthlink.net
> To unsubscribe send a blank email to leave-aprssig-842K@lists.tapr.org
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>


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Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org
```

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209. [aprssig] Re: APRSdos digipeating

From: Bob Bruninga <bruninga@usna.edu>
Date: Fri, 7 Jun 2002 10:31:04 -0400 (EDT)
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: TAPR APRS Special Interest Group <aprssig@lists.tapr.org>
Message-ID: <LYR842-83768-2002.06.07-10.07.29--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

```
On Thu, 6 Jun 2002, David Thege wrote:

> How do change the myalias in APRSDos from relay to somethning else. or is
> there a way to stop the program from repeating packets addressed to relay.
> I don't need it to digipeataas we already have two wtihin 35 mi of each
> other.

Not konwing your particular circumstances, let me elaborate a bit on some
general concepts that might be germane to others...

Wow, the typical digipeater range to a mobile for an east-coast digi at
say 100' HAAT is typicall less than 10 miles or so.  If your digipeaters
are 35 miles apart, then that is a perfect example of why you need to have
all home stations supporting the ALIAS of RELAY..

Most new hams to APRS argue that VHF repeaters work much much further than
that.  But that is TRUE for voice where mobile flutter does not dissrupt a
voice QSO at all...  But in mobile APRS packet, even a single millisecond
flutter anywhere in the entire packet will kill the whole thing.

On our local voice repeater we typically claim 50 mile radius for
usable voice.  But for APRS from a similar location, we are lucky to get
10 miles, usually less...

So be very cautious before you go disabling one of the fundamental
concepts in APRS that any station  will be avaiable for you to use as a
RELAY from your mobile...

To answer your question for APRSdos, open up the CFIGxxx.APR file in yoru
root directory and look for RELAY and change it to NONE...  But again,
only do this if your local circumstances demand it.

It is frustrating to drive near an APRS basestation and for it to not
be serving nearby mobiles...

Another thing to check is to make sure that NO ONE in your area is using
an outgoing path of RELAY,xxxx,xxxxx from another basestation.  If so,
then that is the problem, not the fact that your stations is acting as a
RELAY...

Hope that helps...

de WB4APR, Bob
```

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210. [aprssig] Re: FT-1500M

From: David VanHorn <dvanhorn@cedar.net>
Date: Fri, 07 Jun 2002 09:26:56 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-83769-2002.06.07-10.11.44--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Having no trouble here at all with it, tried it in APRS for a while, but I originally bought it for SSTV. It's the same pinout on the data jack as the TM-V7A.

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211. [aprssig] Re: APRSdos digipeating

From: Bob Bruninga <bruninga@usna.edu>
Date: Fri, 7 Jun 2002 10:43:57 -0400 (EDT)
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: TAPR APRS Special Interest Group <aprssig@lists.tapr.org>
Message-ID: <LYR842-83774-2002.06.07-10.20.22--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

On Thu, 6 Jun 2002, Dave Thege wrote:

> I can understand the reasoning behind wanting fixed stations to act as
> digipeaters but my antenna is only 10' off the roof and has a range of
> around 5mi. My Digipeater is located south of town on 100ft tower in open
> country and has a better repeating range. There only 4 of us running APRS in
> my neck of the woods and the nearest active Digi to mine is 25 to the north
> and about 50 mi to the east. There are none in Nebraska west of me to
> Colorado. Most of the APRS Traffic is in Omaha and Lincoln. So it is
> redundant to have my house transmitting too. Look up my call on findu and
> you'll see what I mean. Dave N0XBN

Based on what you describe above, then your station should never be digipeating anyone unless a mobile drives within 5 miles of your home station. And it sounds like there are very few of those in your area..

If your station is digipeating other people becauuse they are putting RELAY in their outgoing path, then THEY are the ones operating incorrectly. The thing ot fix in this case is to educate those other users NOT to be putting RELAY in their paths unless they are a mobile...

Then the nework works as designed. Your RELAY is there for any nearby mobile that cannot hit the digi (or when the digi goes down), but otherwise, your station doesnt add any QRM because noone but mobiels should be using RELAY in the first place...

Turning off RELAY at your home station is like turrnig off the 911 phone service because people are abusing it.   It is better to fix the abuse than to disable the emergency capability...

Just something to consider...

de WB4APR, Bob

> ----- Original Message -----
> From: "Richard Amirault" <ramirault@erols.com>
> To: "David Thege" <dthege@ncfcomm.com>; "TAPR APRS Special Interest Group"
> <aprssig@lists.tapr.org>
> Sent: Thursday, June 06, 2002 9:55 PM
> Subject: Re: [aprssig] APRSdos digipeating
>
>
> > I can see Bob hitting his head against the table (Why don't they
> > understand????)

> >
> > Yes, it's easy to change it. and no you should not change it. EVERY
> station
> > (with few exceptions, and yours does not qualify) should have its ALIAS as
> > RELAY. When Bob replies he'll explain it (for the, what? .. 42nd time?)
> > again.
> >
> > Sorry, I'm trying to joke a bit .... I realize many folks are new (and
> > haven't read Bob's reasonings on this .. or read the sometimes missing or
> > sometimes hard to find help files on this) If you really, really want to
> > you can (in APRSDos type O-C-T and then you are connected to the TNC ..
> > then use the command MYALIAS) but it's not a good idea. You'll be hurting
> > the network, and doing a disservice to mobiles traveling near
> you....again,
> > Bob wlll explain better than I can.
> >
> > Richard Amirault   N1JDU
> Boston,
> > MA, USA
> > www.erols.com/ramirault   "Go Fly A Kite"
> > ----- Original Message -----
> > From: "David Thege" <dthege@ncfcomm.com>
> > Subject: [aprssig] APRSdos digipeating
> >
> >
> > > How do change the myalias in APRSDos from relay to somethning else. or
> is
> > > there a way to stop the program from repeating packets addressed to
> relay.
> > > I don't need it to digipeataas we already have two wtihin 35 mi of each
> > > other.
> > >
> > > Dave N0XBN
> >
> >
> >
>
>
> ---
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> To unsubscribe send a blank email to leave-aprssig-842K@lists.tapr.org
> Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org
>

de WB4APR@amsat.org, Bob

PCsat WEB page   http://www.ew.usna.edu/~bruninga/pcsat.html
ISS-APRS FAQ: http://www.ew.usna.edu/~bruninga/iss-faq.html
CUBESAT Designs   http://www.ew.usna.edu/~bruninga/cubesat.html
APRS LIVE pages   http://www.ew.usna.edu/~bruninga/aprs.html
APRS SATELLITES   http://www.ew.usna.edu/~bruninga/astars.html
MIM/Mic-E/Mic-Lite http://www.toad.net/~wclement/bruninga/mic-lite.html

---
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212. [aprssig] Re: APRSdos digipeating

From: Bob Bruninga <bruninga@usna.edu>
Date: Fri, 7 Jun 2002 10:50:13 -0400 (EDT)
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: TAPR APRS Special Interest Group <aprssig@lists.tapr.org>
Message-ID: <LYR842-83777-2002.06.07-10.26.35--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

> Yes, if there is another full-time station in your neighborhood that
> digipeats RELAY and which will definitely hear _everything_ your station
> will, then it _is_ a good idea to turn RELAY off in your station to reduce
> duplicate packets.

But, there is a flip side to that also...

1) Both stations will hear it at the same time and will digipeat it at the
same time. Usually only one of these will be heard by the local DIGI, so
this fratracide is part of the concept for reducing clutter.

2) mobile range to a typical home station is usually less than 5 miles.

Even if the homes both hear a mobiel some of the time, then that
probability is still very small. Hardly worth worrying about.

If the houses are 2 miles apart or less, then it probably makes sense to
disable one of them. But disable the on that is NOT on back up power...
Remember, that multiple relays also help to provide black-out redundncy in
time of trouible....

de WB4APR, Bob

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213. [aprssig] First Digi

From: Bob Bruninga <bruninga@usna.edu>
Date: Fri, 7 Jun 2002 11:23:24 -0400 (EDT)
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-83783-2002.06.07-10.59.43--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Here is an example of why it is important for the APRS system to retain
the FIRST digi heard in any RF path (NOID). We have a station locked up
that is transimtting every few minutes a maximum length 256 byte packet
full of non-printable ASCII characters. Looking him up on FINDU gives
this:

```
 STATION: XXXXXX
 5329.2 miles southwest of BYRD STATION, ANTARCTICA
 Report received 5 days 14 hours 13 minutes 20 seconds ago
 Raw packet: XXXXXX>SXPZLZ,K4EME-3,N4EVA-10*:'j/ol#&K\]"5x}
```

But from this, it was trivial to go to K4EME-3 and see that this station
is somewhere in the mid Virginia region... I konw this is not a WIDEn-N
packet, but it was comforting to see that his entry-digi was easy to
locate...

Bob

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214. [aprssig] Re: Cheap TinyTrak

From: "Lee Devlin" <k0lee@hotmail.com>
Date: Fri, 7 Jun 2002 11:58:1
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-83803-2002.06.07-12.34.27--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

If you read the web page, there's nothing included except the PIC and what
appears to be a non-silkscreened phenolic PC board. And it looks like it
must ship from Argentina. Gustoavo's ad in this newsgroup was titled Cheap
'TinyTrak' so even if you think he is in the clear because it's called a
Tiny Tracker on the website, it's still a lousy thing to do, particularly
since Byon asked him not to do it.

If you really wanted to build a TinyTrak I from parts, you could just get
the original circuit board from Far Circuits, copy the code from an
existing 16F84 and then gather up all the miscellaneous parts from Digikey
or Mouser. In the end, you'd likely spend more than just buying a TinyTrak
II kit directly from Byonics, and you'd miss out on the nice features that
have been added to the TinyTrak II such as Smart beaconing and switchable
messages.

I wondered why it was necessary to set the protect bit on the code in the
TinyTrak II and after reading this, I can certainly see why.

73,
Lee Devlin, K0LEE
http://k0lee.com

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215. [aprssig] Re: Cheap TinyTrak

From: "Jeff King" <transit_man@hotmail.com>
Date: Fri, 07 Jun 2002 17:41:56 +0000
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-83810-2002.06.07-13.18.15--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

"Lee Devlin" <k0lee@hotmail.com> wrote:

>If you really wanted to build a TinyTrak I from parts, you could just get
>the original circuit board from Far Circuits, copy the code from an
>existing 16F84

Isn't what you are suggesting what Byon asked the other fellow not to do?
(copy his firmware)

In any case, if someone wants a cheap TinyTrack, there is always SOTT (Son
of TinyTrack) and that is a opensource project.

>I wondered why it was necessary to set the protect bit on the code in the
>TinyTrak II and after reading this, I can certainly see why.

Before this, I always thought the TinyTrak I was distributing the hex file
so anyone could burn a part. Maybe this was a oversight. Don't know.

-Jeff

____
Get your FREE download of MSN Explorer at http://explorer.msn.com/intl.asp.

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216. [aprssig] Peer to peer locator

From: "Jim Gill N0RMO" <n0rmo@jgav.com>
Date: Fri, 7 Jun 2002 13:21:27 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-83815-2002.06.07-13.58.02--lyris.aprssig#tapr.org@lists.tapr.org>
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Regarding the new Garmin Rino with built-in APRS-style "peer-to-peer
locator": it looks like Audiovox has beaten Garmin to the punch. The
Audiovox GMRGPS radio with "Companion Locator" GPS display is already on the
shelves at Best Buy ($199). Anyone know if the transmission formats will be
cross-compatible?

Jim N0RMO

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217. [aprssig] Re: Peer to peer locator

From: "Jeff King" <transit_man@hotmail.com>
Date: Fri, 07 Jun 2002 19:20:37 +0000
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-83825-2002.06.07-14.56.55--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

"Jim Gill N0RMO" <n0rmo@jgav.com>

>The
>Audiovox GMRGPS radio with "Companion Locator" GPS display is already on
>the
>shelves at Best Buy ($199).

As I am fingering my credit card and trying to figure out the closet best
buy ;-)

>Anyone know if the transmission formats will be cross-compatible?

I'd like to hear what you find. I had a long conversation with Garmin and they seemed unwilling to release their protocol, instead suggesting one poll weighpoints in a Rhino to import data into APRS-IS. Of course, this would eliminate external antennas (for recieve only) which would lessen the range of recieved posits. They did indicate to me if someone where to do this, then they might be willing to release some info (I guess kind of a put up or shut up.... fair enough).

MX-COM/CMLMICRO is making chips for this purpose. See:

http://www.cmlmicro.com/products/twoway/CMX882.htm

But when I asked them who had adopted their chip, they would not say. But reading the spec on the chip, it truly sounds like they understand the radio end of UI transmissions (they are using MSK plus FEC).

But I truly hope the industry adopts a standard.

Regards,

Jeff

____
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http://www.hotmail.com

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218. [aprssig] Help with Motorola Oncore GPS unit (PVT6) 6 channel

From: "Robert G. Chimel, WA3LWR" <wa3lwr01@epix.net>
Date: Fri, 7 Jun 2002 22:02:21 -0400
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-83876-2002.06.07-21.38.04--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Hi,

I bought a used Motorola Oncore unit, which IDs as a Motorola PVT6 it is a six channel unit. It came with an antenna which seems to be working and I have tried simply using my roof mounted Butterfly Vertical.

The problem is that while the system talks to me and response well to self checking and such, it is not picking up ANY satellites and therefore does not have any way to figure out where we are located. I have tried teh Win Oncore 12 program, the Syntac and Tac32 programs. On the Tac32 program the only light up status is position hold.

The raw data is giving the V beofre messages which means it does not have an accurate fix/ It is transmitting every ten seconds and the self check come up with no apparent problems. The Tac 32 program tells me that the UTC time from GPS is Day 159 and the correct time and date the GPS Week = 1169 The system further tells me that there are no satellites tracked and none visable No signal is found for any of the satellites.

THe antenna by the way is presently sitting on the garage roof and has a good view of most of the sky.

ANy suggestions are greatly appreciated.

Bob

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219. [aprssig] Re: Help with Motorola Oncore GPS unit (PVT6) 6 channel

From: Ralph Fowler <rwf@mindspring.com>
Date: Sat, 08 Jun 2002 09:04:58 -0400
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-83907-2002.06.08-08.41.36--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Robert-

You say you think the antenna "seems to be working". How do you know?

I hope that butterfly doesn't look like a short, because the Oncore sends
power up the coax to power a proper GPS antenna.
You may have fried something in the Oncore now, which will render your unit
a brick.
Check for at least 5VDC on the antenna jack!

I suggested you try the TAC32 program, which (last time I looked) did a
good job of waking up an Oncore, so now I am worried about your antenna or
the power supply for it. There are a few diagrams around for building a
non-amplified GPS patch antenna.

Also, DOS APRS comes with a program called Motorola.bas that will set up
an Oncore too. It is a little flaky, but sometimes you can make it
work. It requires a DOS environment. It is possible that the FTP
area on http://bsrg.org contains a compiled version of it by KD4Z.

Ralph

At 10:02 PM 6/7/02 -0400, you wrote:
Begin Quoted Text
>Hi,
>
>I bought a used Motorola Oncore unit, which IDs as a Motorola PVT6 it is a
>six channel unit. It came with an antenna which seems to be working and I
>have tried simply using my roof mounted Butterfly Vertical.
>
>The problem is that while the system talks to me and response well to self
>checking and such, it is not picking up ANY satellites and therefore does
>not have any way to figure out where we are located. I have tried teh Win
>Oncore 12 program, the Syntac and Tac32 programs. On the Tac32 program the
>only light up status is position hold.
>
>The raw data is giving the V beofre messages which means it does not have an
>accurate fix/ It is transmitting every ten seconds and the self check come
>up with no apparent problems. The Tac 32 program tells me that the UTC time
>from GPS is Day 159 and the correct time and date the GPS Week = 1169 The
>system further tells me that there are no satellites tracked and none
>visable No signal is found for any of the satellites.
>
>THe antenna by the way is presently sitting on the garage roof and has a
>good view of most of the sky.
>
>ANy suggestions are greatly appreciated.
>
>Bob

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220. [aprssig] 'calibrating' temperature sensor (thermistor)

From: "Bob D." <n2iph@comcast.net>
Date: Sat, 08 Jun 2002 09:24:56 -0400
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-83914-2002.06.08-09.01.10--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Someone wrote: "You can 'calibrate' it using ice @32 degrees"

You can not truly 'calibrate' the thermistor (in this circuit),
as you have no adjustments for zero, linearity, and span.

You have only one adjustment, which will let you shift the
thermistors response curve up/down to obtain the desired output.
It _will_ be accurate at the one, reference temperature and
acceptable accuracy over its stated usable range (see the data
sheet of the device).

Using an Ice/Water bath (a small container filled with ice
topped off with water, let it stand for a few minutes) you
will have a reference standard at 32F/0C, and you can then
adjust your trimpot so your display/output yields a 32F
reading. Whatever you get at -10F, 70F, 212F, or any other
temperature is dependant on the response curve of the
thermistor and the conditions it operates under (the
temperature effects on the balance of your circuit).
You will need a known good (accurate) thermometer
to 'normalize' your sensor at any other reference temperature.
If you have a darkroom thermometer used for processing color
photos or film, or a good glass tube mercury thermometer
around, they may be your most handy sources of a reasonably
accurate temperature reference. If you have something with
equal or better accuracy, great, use it. Your best overall
accuracy would probably be obtained be 'calibrating' the
thermistor at the annual average temperature for your area.

Ice and water can only exist at one temperature, 32F(0.0C), which
is why it is recognized as a reference standard for 32F/0C.
If you wanted to split hairs, the boiling water reference would
require knowing the atmospheric pressure to determine the true
boiling point at that elevation, so for someone at (or near)
sea level, this is easy, but someone on Pike's Peak, the boiling
point of water is different. I realize that we are not trying to
obtain accuracy to the hundredth of a degree here, just trying to
make everyone aware of the limitations of this particular application.

73...Bob
N2IPH

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221. [aprssig] QUAKE ???

From: "Spider" <spider@rivcom.net>
Date: Sat, 8 Jun 2002 08:07:48 -0700
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-83918-2002.06.08-10.44.31--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

I notices the Quakes are not showing up on my maps under WinAPRS V2.6.1 and
they were until the upgrade from v2.5.1
Does anyone see them with v2.6.1?

Jim

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222. [aprssig] Little Experimental Program

From: "The Hildebrands" <b.hildebrand@verizon.net>
Date: Sat, 8 Jun 2002 08:30:49 -0700
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-83919-2002.06.08-11.07.06--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

I have up running a little web server that listens to the APRS/IS data stream, parses "some" of the
data, and then can server out data based on queries. No, this is not a FindU replacement. The program
is running at http://4.63.238.131:8800. You can enter a callsign or part of a callsign, and the latest
data you request will be returned. Note, packets are aged and displayed like this: [D H M S] where D

is Days, H is Hours, M is Minutes and S is seconds. Example: [0 0 8 20] would mean that packet was heard, 8 minutes and 20 seconds ago.

You can also get Street Atlas USA Maps of APRS positions.
Example: http://4.63.238.131:8800/Map.sa9?Range=50:Callsign=KH2Z
The Range figure is in miles, and Callsign is that of an APRS station. Maps can be based on Latitude and Longitude, or Grid Square.
http://4.63.238.131:8800/Map.sa9?Range=50:Latitude=34.04:Longitude=-117.24
http://4.63.238.131:8800/Map.sa9?Range=50:Grid=DM14JA

You can also create SA Maps with drawing objects of your choosing. Click the URL Docs button for some of these options. And example:
SAMap.sa9?*Circle,LINE,FILL,LINE_COLOR,LINE_SIZE,FILL_COLOR,FILL_STYLE,LATITUDE,LONGITUDE,RANGE
http://4.63.238.131:8800/SAMap.sa9?*Circle,1,1,0,1,2,2,34.04,-117.24,15

You can combine multiple drawing objects in one map, just separate each object by a colon. Example:
http://4.63.238.131:8800/SAMap.sa9?*Circle,1,1,0,1,2,2,34.04,-117.24,15:*Circle,1,0,0,1,2,2,35,-118,20

If you have a version of SA other than SA9, substitute that version in place of SA9 in the above examples. SA3-SA9 should work. SA3 does not support Circles, Lines or Polygons.

Brent KH2Z

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223. [aprssig] Re: Help with Motorola Oncore GPS unit (PVT6) 6 channel

From: "Gregory Beat" <gregory.beat@attbi.com>
Date: Sat, 8 Jun 2002 10:55:46 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-83921-2002.06.08-11.32.06--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Robert -

The PVT6 needs an updated almanac. TAC32 will report "bad almanac"

It takes a while (15 - 60 minutes at my location) for the almanac to be picked up, depending upon coverage you are getting from the satellites. I just installed a surplus Oncore GT+ ... and "uploaded the almanac from my Oncore VP (just impatient)

I will send to your e-mail address some programs that may help.

Greg
w9gb

----- Original Message -----
From: "Robert G. Chimel, WA3LWR" <wa3lwr01@epix.net>
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Sent: Friday, June 07, 2002 9:02 PM
Subject: [aprssig] Help with Motorola Oncore GPS unit (PVT6) 6 channel

> Hi,
>
> I bought a used Motorola Oncore unit, which IDs as a Motorola PVT6 it is a
> six channel unit. It came with an antenna which seems to be working and I
> have tried simply using my roof mounted Butterfly Vertical.
>
> The problem is that while the system talks to me and response well to self
> checking and such, it is not picking up ANY satellites and therefore does
> not have any way to figure out where we are located. I have tried teh Win
> Oncore 12 program, the Syntac and Tac32 programs. On the Tac32 program
the
> only light up status is position hold.
>
> The raw data is giving the V beofre messages which means it does not have
an
> accurate fix/ It is transmitting every ten seconds and the self check
come
> up with no apparent problems. The Tac 32 program tells me that the UTC
time
> from GPS is Day 159 and the correct time and date the GPS Week = 1169 The
> system further tells me that there are no satellites tracked and none

> visable No signal is found for any of the satellites.
>
> THe antenna by the way is presently sitting on the garage roof and has a
> good view of most of the sky.
>
> ANy suggestions are greatly appreciated.
>
> Bob
>
>
>
> ---
> You are currently subscribed to aprssig as: gregory.beat@attbi.com
> To unsubscribe send a blank email to leave-aprssig-842K@lists.tapr.org
> Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org
>
>

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Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

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224. [aprssig] WinOncore12 software

From: "Gregory Beat" <gregory.beat@attbi.com>
Date: Sat, 8 Jun 2002 11:30:05 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-83923-2002.06.08-12.06.28--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

If you have an earlier Motorola Oncore receiver and are still using the original DOS program supplied by Motorola or the original Basic program developed by Tom Clark, you may wish to look at WinOncore12 that runs under Windows 95/98/2000, and NT. The software is available for download from Synergy's web site OR Motorola's Oncore home page (not yet on the TAPR web site):

http://www.synergy-gps.com/

http://www.motorola.com/ies/GPS/

Although I use TAC32 for almost all of my Oncore functions, WinOncore is very useful in download and upload almanacs (*.alc) from the Oncore GPS receiver. This reduces the time for the receiver's first time fix AND initializing a receiver with a bad almanac.

http://www.motorola.com/ies/GPS/products/winoncore12.html

WinOncore12 is a software package designed for use as an evaluation and testing tool in conjunction with Motorola's Oncore GPS receivers. This utility will aid the user in initializing and operating the Oncore receiver; displaying, plotting and printing data from the receiver; and recording and replaying data files. Using WinOncore12 with your Oncore receiver will help you learn the operation of the receiver as well as enable you to thoroughly test the receiver.

WinOncore12 operates with GT, UT and M12 Oncore GPS receivers. The VP, Basic, and XT Oncore receivers may also be used with WinOncore12. [The PVT6 may also be supported as the "Basic" model, depending upon embedded software version. Flash upgrade information available from Synergy]

WinOncore12 supports both NMEA and Motorola Binary protocol and thus may be used to record live data or playback previously recorded data from a NMEA (*.GPS) file or Motorola Binary (*.bin) file.

WinOncore12 will run under Windows 95/98/2000, and NT.

Another useful link (for installation instructions)
http://www.motorola.com/ies/GPS/pdfs/ch7.pdf

73 de w9gb

Motorola Oncore FAQ
http://www.motorola.com/ies/GPS/faq/

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225. [aprssig] Second PEAPRS Test

From: "Clayon H. Owen" <aa3jy@winlink.org>
Date: Sat, 8 Jun 2002 12:23:16
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-83934-2002.06.08-12.59.40--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Received second PEAPRS Mic-e "MAYDAY" Test @ 17:10z this date. Location approx 20 miles S.E. of Watertown,NY.

AA3JY

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226. [aprssig] RPEAPRS - 6/8/2002

From: "Brian B. Riley \(N1BQ\) ListAcct" <n1bq_list@wulfden.org>
Date: Sat, 8 Jun 2002 13:27:25 -0400
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-83935-2002.06.08-13.04.00--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Copied Emergency transmission from WA2ZXS at my location (44 deg 31.74 min N, 72 deg 51.53 min W)at 1309 EDT, 1311 EDT, 1313 EDT this date 06/08/2002

The 1313 EDT Position read out as 44 deg 00.68 min N by 75 deg 43.05 min W - range and bearing from this position is 147 miles at 255 deg.

Message received via Kenwood TMD700 with Garmin Etrex GPS in my truck parked next to my house. Path apparently was direct to N1BQ-3 digipeter (antenna 60 feet above ground level at 1560 feet ASL) which is located at my house)

BB Riley, ARS N1BQ
Lt USMC (ret)

-----Original Message-----
From: bounce-aprssig-25883@lists.tapr.org
[mailto:bounce-aprssig-25883@lists.tapr.org]On Behalf Of Stan Horzepa
Sent: Friday, May 24, 2002 7:33 PM
To: TAPR APRS Special Interest Group
Subject: [aprssig] Precision Emergency Automated Position Reporting System (PEAPRS) test set

On the ARRL Web site today:

Precision Emergency Automated Position Reporting System (PEAPRS) test set: The Air Force Research Lab, Rome (New York) Research Site, will be conducting an experiment using Amateur Radio operators as an auxiliary line of defense against aircraft disasters in conjunction with the annual Team Patriot exercise. The ARRL is co-sponsoring the test. The test will consist of two aircraft flights some time between June 3 and June 8, 2002. During these flights the aircraft will transmit a distress message, using the call sign WA2ZXS. Amateurs wishing to participate in this exercise should, upon receipt of the distress message, send an email message to peaprs@rl.af.mil detailing the time, characteristics of the message received as well as the method they used for reception (direct, via digipeater, via wide relay, Web, etc). Those who do not have e-mail available to them may participate by calling their observation info into the PEAPRS Command Center at 315-330-7444. The objective of this exercise will be to measure the timeliness and accuracy of the reports received from the amateur community. Amateurs that participate in this program will qualify for a special certificate from ARRL recognizing their participation.

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227. [aprssig] What's with EMERGENCY MESSAGES???

From: "Spider" <spider@rivcom.net>
Date: Sat, 8 Jun 2002 10:31:05 -0700
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-83936-2002.06.08-13.07.50--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

I am seeing packets galore going by, such as....

```
WA2ZXS>APRS,TCPIP,W1TYL*:@080907z4401.93N>07545.11W/311/369/Mic-E/M7/EMERGEN
CY!>":w}
```

(note: I am not picking on anyone specific...there are a lot of them...the above packet is just an example)

What is with using the words EMERGENCY or SOS or MAYDAY on a worldwide system???

Have things changed??? 20 years ago this would have caused the sender to receive, at least, a slap up side the head for all sorts of good reasons.

IMHO, it is acceptable to use these words during a test or actual situation AS LONG AS specific information is also INCLUDED. You see any in the packet above?

IMHO, it is unacceptable to use such words WITHOUT specific information included.

As you can see I have a lot of IMHO's, but they come of years of experience in the communications field.

Has the use of the words "BREAK" or "BREAK-BREAK" or "BREAK-BREAK-BREAK" changed too?

Please send your comments to the list...

Jim, WA6OFT

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228. [aprssig] Re: What's with EMERGENCY MESSAGES???

From: "Zachary Grant Michael, KB9UQQ" <kb9uqq@kb9uqq.cjb.net>
Date: Sat, 8 Jun 2002 12:50:51 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-83941-2002.06.08-13.26.52--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

I agree with Jim. Sometimes it just takes an e-mail and then people realize what's happening. BTW, they did add a testTEST to the position. Here's another captured packet.

```
!T 17:45:32
!WA2ZXS>APK001,TCPIP,K4GPS-1*:@081344z4306.11N/07538.55W'173/160/Mic-E/M7/EM
ERGENCY!>"@0}tESTTEST
```

73 de kb9uqq
--
Zachary Grant Michael, KB9UQQ
http://www.qsl.net/kb9uqq/

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229. [aprssig] RE: What's with EMERGENCY MESSAGES???

From: "Glen Tubbesing" <n7got@earthlink.net>
Date: Sat, 8 Jun 2002 11:01:41 -0700
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-83943-2002.06.08-13.38.07--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

```
This is a test... Haven't you seen the messages about the PEAPRS test?
Relax, that's what you're seeing.

73,
Glen Tubbesing
N7GOT
Las Vegas, NV

> -----Original Message-----
> From: bounce-aprssig-28446@lists.tapr.org [mailto:bounce-aprssig-
> 28446@lists.tapr.org] On Behalf Of Spider
> Sent: Saturday, June 08, 2002 10:31 AM
> To: TAPR APRS Special Interest Group
> Subject: [aprssig] What's with EMERGENCY MESSAGES???
>
> I am seeing packets galore going by, such as....
>
>
WA2ZXS>APRS,TCPIP,W1TYL*:@080907z4401.93N>07545.11W/311/369/Mic-E/M7/EME
RGEN
> CY!>":w}
>
> (note: I am not picking on anyone specific...there are a lot of
them...the
> above packet is just an example)
>
> What is with using the words EMERGENCY or SOS or MAYDAY on a worldwide
> system???
>
> Have things changed???  20 years ago this would have caused the sender
to
> receive, at least,  a slap up side the head for all sorts of good
reasons.
>
> IMHO, it is acceptable to use these words during a test or actual
situation
> AS LONG AS specific information is also INCLUDED.  You see any in the
packet
> above?
>
> IMHO, it is unacceptable to use such words WITHOUT specific
information
> included.
>
> As you can see I  have a lot of IMHO's, but they come of years of
experience
> in the communications field.
>
> Has the use of the words  "BREAK" or "BREAK-BREAK" or
"BREAK-BREAK-BREAK"
> changed too?
>
> Please send your comments to the list...
>
> Jim, WA6OFT
>
>
>
>
>
> ---
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leave-aprssig-842K@lists.tapr.org
> Questions regarding the SIG go to the SIG administrator:
wa1lou@tapr.org




---
```

```
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```

230. [aprssig] Re: What's with EMERGENCY MESSAGES???

From: "Spider" <spider@rivcom.net>
Date: Sat, 8 Jun 2002 11:03:44 -0700
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-83944-2002.06.08-13.40.33--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

```
----- Original Message -----
From: "Zachary Grant Michael, KB9UQQ" <kb9uqq@kb9uqq.cjb.net>
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Sent: Saturday, June 08, 2002 10:50 AM
Subject: [aprssig] Re: What's with EMERGENCY MESSAGES???


> I agree with Jim. Sometimes it just takes an e-mail and then people
realize
> what's happening. BTW, they did add a testTEST to the position. Here's
> another captured packet.

Hi ZZZach!
Again, what "if" you do not have email???

This brings up another question.  Should an emergency message of any kind be
sent encoded???  I think they should be plain text as standard protocol.
A sender "assumes" people can decode an encoded message.  Bad assumption.

Jim





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```

231. [aprssig] Re: What's with EMERGENCY MESSAGES???

From: "Spider" <spider@rivcom.net>
Date: Sat, 8 Jun 2002 11:06:50 -0700
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-83945-2002.06.08-13.43.49--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

```
----- Original Message -----
From: "Gregory Beat" <gregory.beat@attbi.com>
To: "Spider" <spider@rivcom.net>
Sent: Saturday, June 08, 2002 10:55 AM
Subject: Re: [aprssig] What's with EMERGENCY MESSAGES???


> You obviously have not been following the recent ARRL and APRS bulletins
of
> the pre-announced military "Team Patriot" exercise with ARRL as a
co-sponsor
> with the Air Force.
>
> Please report your findings to the military e-mail provided below.

Actually, I did read it and I am involved.  I am bringing up some points of
concern in general.

Jim





---
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```

232. [aprssig] Re: What's with EMERGENCY MESSAGES???

From: "Spider" <spider@rivcom.net>
Date: Sat, 8 Jun 2002 11:11:51 -0700
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-83946-2002.06.08-13.49.12--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

```
----- Original Message -----
From: "Chris Schwab" <1schwab1@Tampabay.rr.com>
To: "'Spider'" <spider@rivcom.net>
Sent: Saturday, June 08, 2002 10:39 AM
Subject: RE: [aprssig] What's with EMERGENCY MESSAGES???


> Brian,
>
> If you check the following message:
>
> ------------------------------------
>
> On the ARRL Web site today:
>
> Precision Emergency Automated Position Reporting System (PEAPRS) test
> set: The Air Force Research Lab, Rome (New York) Research Site, will be
>
Re read my email.  I am not picking on a specific packet.  However, what
good does a bulletin, such as below, do for a person that my not have access
to it or the internet?  It's really pointless and the data collected proves
what?  How many people read the bulletin and responded??  I'd like to see
what statistics are used to prove whatever, no disrespect intended.
I really think some education on sending such messages are in order.  Take,
for just one example, the WX bulletins, warnings,etc.  They send a warning
and it includes specific information on the warning or bulletins,  IN PLAIN
TEXT.

Jim





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```

233. [aprssig] RE: Little Experimental Program

From: "Rich Garcia" <k4gps@bellsouth.net>
Date: Sat, 8 Jun 2002 15:23:38 -0400
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-83969-2002.06.08-14.59.39--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

```
Seems to work well, punched in WA2ZXS and by the looks of it many did not
know about the test! Several people sent messages to the beacon ACK'ing the
emergency.

Rich

-----Original Message-----
From: bounce-aprssig-19959@lists.tapr.org
[mailto:bounce-aprssig-19959@lists.tapr.org]On Behalf Of The Hildebrands
Sent: Saturday, June 08, 2002 11:31 AM
To: TAPR APRS Special Interest Group
Subject: [aprssig] Little Experimental Program


I have up running a little web server that listens to the APRS/IS data
stream, parses "some" of the data, and then can server out data based on
queries.  No, this is not a FindU replacement.  The program is running at
http://4.63.238.131:8800.  You can enter a callsign or part of a callsign,
and the latest data you request will be returned.  Note, packets are aged
and displayed like this:  [D H M S] where D is Days, H is Hours, M is
Minutes and S is seconds.  Example:  [0 0 8 20] would mean that packet was
heard, 8 minutes and 20 seconds ago.

You can also get Street Atlas USA Maps of APRS positions.
Example:  http://4.63.238.131:8800/Map.sa9?Range=50:Callsign=KH2Z
The Range figure is in miles, and Callsign is that of an APRS station.  Maps
can be based on Latitude and Longitude, or Grid Square.
http://4.63.238.131:8800/Map.sa9?Range=50:Latitude=34.04:Longitude=-117.24
```

http://4.63.238.131:8800/Map.sa9?Range=50:Grid=DM14JA

You can also create SA Maps with drawing objects of your choosing. Click the URL Docs button for some of these options. And example:
SAMap.sa9?*Circle,LINE,FILL,LINE_COLOR,LINE_SIZE,FILL_COLOR,FILL_STYLE,LATITUDE,LONGITUDE,RANGE
http://4.63.238.131:8800/SAMap.sa9?*Circle,1,1,0,1,2,2,34.04,-117.24,15

You can combine multiple drawing objects in one map, just separate each object by a colon. Example:
http://4.63.238.131:8800/SAMap.sa9?*Circle,1,1,0,1,2,2,34.04,-117.24,15:*Circle,1,0,0,1,2,2,35,-118,20

If you have a version of SA other than SA9, substitute that version in place of SA9 in the above examples. SA3-SA9 should work. SA3 does not support Circles, Lines or Polygons.

Brent KH2Z

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234. [aprssig] www.findu.com

From: "Serowik" <serowik@adelphia.net>
Date: Sat, 8 Jun 2002 15:50:23 -0400
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-83974-2002.06.08-15.27.45--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Is something wrong with the updating on www.findu.com?

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235. [aprssig] Re: 'calibrating' temperature sensor (thermistor)

From: Bob Bruninga <bruninga@usna.edu>
Date: Sat, 8 Jun 2002 16:27:31 -0400 (EDT)
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: TAPR APRS Special Interest Group <aprssig@lists.tapr.org>
Message-ID: <LYR842-83976-2002.06.08-16.04.01--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

On Sat, 8 Jun 2002, Bob D. wrote:

> Someone wrote: "You can 'calibrate' it using ice @32 degrees"
>
> You can not truly 'calibrate' the thermistor (in this circuit),
> as you have no adjustments for zero, linearity, and span.
> You have only one adjustment, which will let you shift the
> thermistors response curve up/down to obtain the desired output.

INcluded in all copies of APRSdos in the PROGRAMS directory is a program called MIC-TEMP.BAS. It is a graphical program that plots the curve of the Digi key thermister and lets you use the arrow keys to manipulate the series and shunt resistance to get the best possible fit of the linear part of the curve to your temperature of interest AND to coincidently get the DECIMAL value (0-255) come out to read directly in degrees over that range!

> It _will_ be accurate at the one, reference temperature and
> acceptable accuracy over its stated usable range (see the data
> sheet of the device).
>

> Using an Ice/Water bath (a small container filled with ice
> topped off with water, let it stand for a few minutes) you
> will have a reference standard at 32F/0C, and you can then
> adjust your trimpot so your display/output yields a 32F
> reading. Whatever you get at -10F, 70F, 212F, or any other
> temperature is dependant on the response curve of the
> thermistor and the conditions it operates under (the
> temperature effects on the balance of your circuit).
<snip>
Bob

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---

236. [aprssig] WinAPRS 2.6.1 zoom.

From: "Jacques Voisin" <n4jcv@earthlink.net>
Date: Sat, 8 Jun 2002 18:27:33 -0400
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-83979-2002.06.08-18.05.13--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Have installed it and ran the PMOCX and the amp comes up ok except that it will not zoom down to the street level. I installed all the map data file on the C drive but it just will not zoom down. Any ideas or solution to this annoying problem?

Jacques C. Voisin, N4JCV and AAR4JI
ARES/RACES of Orange County, FL
Skywarn Manager Orange County, FL
American Red Cross of Central Florida
Communication Chairman, Trustee N4ARC

http://home.earthlink.net/~n4jcv/
n4jcv@earthlink.net and n4jcv@arrl.net

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---

237. [aprssig] WinAPRS 2.6.1 zoom in

From: "Jacques Voisin" <n4jcv@earthlink.net>
Date: Sat, 8 Jun 2002 18:28:59 -0400
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-83980-2002.06.08-18.06.40--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Forget to say I am running WIN 98.

Jacques C. Voisin, N4JCV and AAR4JI
ARES/RACES of Orange County, FL
Skywarn Manager Orange County, FL
American Red Cross of Central Florida
Communication Chairman, Trustee N4ARC

http://home.earthlink.net/~n4jcv/
n4jcv@earthlink.net and n4jcv@arrl.net

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---

238. [aprssig] Anyone know how to set up a NTP server on Win XP ?

From: "Andrew Rich" <andrew.rich@bigpond.com>
Date: Sun, 9 Jun 2002 09:09:19 +1000
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-83981-2002.06.08-18.45.34--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

```
Anyone know how to set up a NTP server on Win XP ?

-------------------------------------------
Andrew Rich
Callsign: VK4TEC
andrew.rich@bigpond.com
vk4tec@bigpond.com
www.users.bigpond.com/andrew.rich/vk4tec.htm

---
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```

---

239. [aprssig] Re: What's with EMERGENCY MESSAGES???

From: "Ronald Reams" <wa4mjf@worldnet.att.net>
Date: Sat, 8 Jun 2002 20:55:32 -0400
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-83988-2002.06.08-20.31.58--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

```
It is the USAF testin'
 the PEAPRS.   Where have you been?

It was announced in ARRL Bulletin and talked about on
this very list.


73 de Ronnie


----- Original Message -----
From: "Spider" <spider@rivcom.net>
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Sent: Saturday, June 08, 2002 13:31
Subject: [aprssig] What's with EMERGENCY MESSAGES???


I am seeing packets galore going by, such as....

WA2ZXS>APRS,TCPIP,W1TYL*:@080907z4401.93N>07545.11W/311/369/Mic-E/M7/EMERGEN
CY!>":w}

(note: I am not picking on anyone specific...there are a lot of them...the
above packet is just an example)

What is with using the words EMERGENCY or SOS or MAYDAY on a worldwide
system???

Have things changed???  20 years ago this would have caused the sender to
receive, at least,  a slap up side the head for all sorts of good reasons.

IMHO, it is acceptable to use these words during a test or actual situation
AS LONG AS specific information is also INCLUDED.  You see any in the packet
above?

IMHO, it is unacceptable to use such words WITHOUT specific information
included.

As you can see I  have a lot of IMHO's, but they come of years of experience
in the communications field.

Has the use of the words  "BREAK" or "BREAK-BREAK" or "BREAK-BREAK-BREAK"
changed too?

Please send your comments to the list...

Jim, WA6OFT







---
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```

240. [aprssig] test

From: roger w rockwell <wb4trz@juno.com>
Date: Sat, 8 Jun 2002 19:45:50 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: aprssig@lists.tapr.org
Message-ID: <LYR842-83989-2002.06.08-20.34.25--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Thanks

____
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http://dl.www.juno.com/get/web/.

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241. [aprssig] KPC3+ setup

From: Robbie Robertson <mwrobertson@attbi.com>
Date: Sat, 08 Jun 2002 20:43:06 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-83991-2002.06.08-21.18.43--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

In setting up a remote operation without computer, but not as a WIDE, rather just a fill RELAY, is there a set of suggested parameters I can find?

Thanks,

Robbie, wa9inf

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242. [aprssig] Path Question

From: roger w rockwell <wb4trz@juno.com>
Date: Sat, 8 Jun 2002 21:15:16 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-83995-2002.06.08-22.03.45--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

I know this gets hammered all the time. Every time I think I get the best path figured out something changes my mind.

Here is the trip.

Motorcycle(Honda 750 ACE) ride from Key West, Fl to Homer, Alaska
Departing June 28
KW to Pensacola then shortest path (perSA7) to north end of I15,etc

Radio: GE Phoenix SX
Encoder: Pic-E

I will have a laptop but it will not program the pic-e. I am, therefore, limited to two path configurations
```
I thought   relay, wide2-2
                   wide2-2
```
Beacon every 7 min.

Is my memory correct that in the Keys "relay" does not work?

Would something else have a better chance of getting to igate?

Thanks
Roger
K1PNS

____
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243. [aprssig] Re: Path Question

From: "Guy Story, KC5GOI" <kc5goi@kc5goi.net>
Date: Sat, 8 Jun 2002 21:45:07 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-83998-2002.06.08-22.21.35--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Roger, use relay,wide, wide or relay,wide2-2. That should do the job for you. Anything more is overkill. There is a small portion of the western USA that does not use relay in the alias. You should be just fine and get to an IGATE most of the trip where IGATES are in service.

73

Guy Story, KC5GOI
Itel-Tigerbyte LLC
gstory@tigerbyte.com
940.891.4575

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244. [aprssig] Re: Path Question

From: roger w rockwell <wb4trz@juno.com>
Date: Sat, 8 Jun 2002 23:21:52 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-84017-2002.06.09-00.09.13--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Thanks for the replies. I'll give relay, wide2-2 a go and see how that works. Working on getting antenna set up now. The WEB page is up but needs some work. I'll post when we get underway.
http://www.qsl.net/k1pns

Roger
K1PNS

____
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245. [aprssig] Re: What's with EMERGENCY MESSAGES???

From: "Doug Younker" <dougy@ruraltel.net>
Date: Sun, 9 Jun 2002 00:12:58 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-84030-2002.06.09-01.31.14--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Jim; I really doubt anything has really changed in regards to the use of distress messages via radio. No the fact news of the exercise was made public before the event doesn't excuse the poor operating procedure. The exercise was just that, an exercise an exercise is a means to learn where mistakes can be made and hopefully learn from those mistakes.--73
Doug, N0LKK
dougy@ruraltel.net

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246. [aprssig] Garmin GPS 16

From: "Josh Gould" <kc8eqa@columbus.rr.com>
Date: Sun, 9 Jun 2002 02:04:19 -0400
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-84031-2002.06.09-01.41.27--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Any one ever use one of these? Looking to replace the E-trex and this give me the remote mount I'm looking for. (Trunk area). Any info would be helpful

73's
Josh
KC8EQA
EN80KA

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To unsubscribe send a blank email to leave-aprssig-842K@lists.tapr.org
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247. [aprssig] Out of Memory in Station List

From: "hasan schiers" <schiers@netins.net>
Date: Sun, 9 Jun 2002 07:19:30 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-84045-2002.06.09-07.56.06--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

WinAPRS 2.6.1 testing so I can help a few of the locals setting up the program.

When this starts to show up, does this result in the updating of the station list on a FIFO basis, or is any new informaton being lost. It has been so long since I ran a copy of WinAPRS that I can't recall the particulars.

My guess is that once the station list is full (mine is set to 8192), as a new call comes in, the oldest one in the list drops out (First In/First Out), but not being sure, I don't want to misinform new users of the software.

Some are just clearing their whole station list once this warning comes up, and that strikes me as a strange "requirement", so I'm betting it isn't required, and the warning message can be safely ignored without loss of "recent" data.

Confirm please? 73
hasan schiers, N0AN

schiers@netins.net
or use amsat.org or arrl.net remailer

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Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

248. [aprssig] Re: What's with EMERGENCY MESSAGES???

From: "Ev Tupis (W2EV)" <w2ev@arrl.net>
Date: Sun, 09 Jun 2002 08:20:08 -0400
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-84047-2002.06.09-07.57.56--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Doug Younker wrote:
>
> Jim; I really doubt anything has really changed in regards to the use of
> distress messages via radio. No the fact news of the exercise was made

```
> public before the event doesn't excuse the poor operating procedure.  The
> exercise was just that, an exercise an exercise is a means to learn where
> mistakes can be made and hopefully learn from those mistakes.--73
> Doug, N0LKK
>  dougy@ruraltel.net

Well said, Doug.
Ev, W2EV

--
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---
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Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org
```

---

249. [aprssig] Re: What's with EMERGENCY MESSAGES???

From: "Spider" <spider@rivcom.net>
Date: Sun, 9 Jun 2002 06:32:36 -0700
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-84053-2002.06.09-09.09.11--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

```
----- Original Message -----
From: "Doug Younker" <dougy@ruraltel.net>
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Sent: Saturday, June 08, 2002 10:12 PM
Subject: [aprssig] Re: What's with EMERGENCY MESSAGES???


> Jim; I really doubt anything has really changed in regards to the use of
> distress messages via radio.  No the fact news of the exercise was made
> public before the event doesn't excuse the poor operating procedure.  The
> exercise was just that, an exercise an exercise is a means to learn where
> mistakes can be made and hopefully learn from those mistakes.--73
> Doug, N0LKK
>  dougy@ruraltel.net
>
>

It's interesting how many of you responded to my question, when my question
was nothing about a specific excercise other than I used it's packet as an
example to see if anyone could catch was I was getting at...which, so far,
only one person has.
However, I'd truely be interested in seeing the results of this particular
excercise and the conclusions the ARRL comes to and the response the
Navy/Air Force have. Can you honestly say to yourself that you could sit in
front of a terminal (notice I did not say computer) and read the packet I
posted?  From the PACKET I POSTED, without the aid of a computer, can you
tell me exactly what type of emergency, And, keep in mind the vast majority
of amateur radio operators knew nothing of this test.
Even some that "read" the bulletin, did not understand it and attempted to
reply to the beacon.  On both Tests!
Also keep in mind, I knew about it and did participate, when other replies
appeared to assume I did not have a clue about it. And was probably near one
of the first in the first wave of responses with full data on the
transmission, with a complete record as to what their transmission appeared
like, the relays, etc., off the IS as it appeared here, the first go around.


WA2ZXS>APRS,TCPIP,W1TYL*:@080907z4401.93N>07545.11W/311/369/Mic-E/M7/EMERGEN
CY!>":w}

So, in 3 seconds or less, read (with your eyes wide open) and tell me what
kind of emergency this is?
Who:  WA2ZXS sent it.
Time:  080907Z
Location: 4401.93N by 07545.11W
Type:  Emergency
```

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Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

250. [aprssig] Re: What's with EMERGENCY MESSAGES???

From: "Ronald Reams" <wa4mjf@worldnet.att.net>
Date: Sun, 9 Jun 2002 09:46:19 -0400
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-84054-2002.06.09-09.22.44--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Well, it is kinda hard to do what you want at
the end of your post.

The callsign WA2ZXS is the one that is known to
be used testin' the system. So my first thought when I see
the callsign is, "oh, this is the PEAPRS test station".

What was lookin' at it for 3 seconds supposed to do?

73 de Ronnie

----- Original Message -----
From: "Doug Younker" <dougy@ruraltel.net>
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Sent: Saturday, June 08, 2002 10:12 PM
Subject: [aprssig] Re: What's with EMERGENCY MESSAGES???

> Jim; I really doubt anything has really changed in regards to the use of
> distress messages via radio. No the fact news of the exercise was made
> public before the event doesn't excuse the poor operating procedure. The
> exercise was just that, an exercise an exercise is a means to learn where
> mistakes can be made and hopefully learn from those mistakes.--73
> Doug, N0LKK
> dougy@ruraltel.net
>
>

It's interesting how many of you responded to my question, when my question
was nothing about a specific excercise other than I used it's packet as an
example to see if anyone could catch was I was getting at...which, so far,
only one person has.
However, I'd truely be interested in seeing the results of this particular
excercise and the conclusions the ARRL comes to and the response the
Navy/Air Force have. Can you honestly say to yourself that you could sit in
front of a terminal (notice I did not say computer) and read the packet I
posted? From the PACKET I POSTED, without the aid of a computer, can you
tell me exactly what type of emergency, And, keep in mind the vast majority
of amateur radio operators knew nothing of this test.
Even some that "read" the bulletin, did not understand it and attempted to
reply to the beacon. On both Tests!
Also keep in mind, I knew about it and did participate, when other replies
appeared to assume I did not have a clue about it. And was probably near one
of the first in the first wave of responses with full data on the
transmission, with a complete record as to what their transmission appeared
like, the relays, etc., off the IS as it appeared here, the first go around.

```
WA2ZXS>APRS,TCPIP,W1TYL*:@080907z4401.93N>07545.11W/311/369/Mic-E/M7/EMERGEN
CY!>":w}
```

So, in 3 seconds or less, read (with your eyes wide open) and tell me what
kind of emergency this is?
Who: WA2ZXS sent it.
Time: 080907Z
Location: 4401.93N by 07545.11W
Type: Emergency

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Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

251. [aprssig] Re: Out of Memory in Station List

From: "hasan schiers" <schiers@netins.net>
Date: Sun, 9 Jun 2002 08:51:20 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-84055-2002.06.09-09.28.03--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Hi Jim,

Yes, otherwise how could the station list be 8192 instead of the default?
<vbg>

Now...how about an answer to the question I asked. Is the station list a
FIFO or not?
Once the "out of station memory" warning comes up, are new stations still
accumulating, with the oldest station being deleted?

(Not addressed to you, Jim, as I'm sure you would have told me the answer
the first time if you knew.

hasan schiers, N0AN

schiers@netins.net
or use amsat.org or arrl.net remailer
----- Original Message -----
From: "Spider" <spider@rivcom.net>
To: "hasan schiers" <schiers@netins.net>
Sent: Sunday, June 09, 2002 8:33 AM
Subject: Re: [aprssig] Out of Memory in Station List

> Do you have a memory.txt file in your winaprs directory?
>
> Jim
>
> ----- Original Message -----
> From: "hasan schiers" <schiers@netins.net>
> To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
> Sent: Sunday, June 09, 2002 5:19 AM
> Subject: [aprssig] Out of Memory in Station List
>
>
> > WinAPRS 2.6.1 testing so I can help a few of the locals setting up the
> > program.
> >
> > When this starts to show up, does this result in the updating of the
> station
> > list on a FIFO basis, or is any new informaton being lost. It has been
so
> > long since I ran a copy of WinAPRS that I can't recall the particulars.
> >
> > My guess is that once the station list is full (mine is set to 8192), as
a
> > new call comes in, the oldest one in the list drops out (First In/First
> > Out), but not being sure, I don't want to misinform new users of the
> > software.
> >
> > Some are just clearing their whole station list once this warning comes
> up,
> > and that strikes me as a strange "requirement", so I'm betting it isn't
> > required, and the warning message can be safely ignored without loss of
> > "recent" data.
> >
> > Confirm please? 73
> > hasan schiers, N0AN
> >
> > schiers@netins.net
> > or use amsat.org or arrl.net remailer
> >
> >
> >
> > ---
> > You are currently subscribed to aprssig as: spider@rivcom.net
> > To unsubscribe send a blank email to leave-aprssig-842K@lists.tapr.org

```
> > Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org
> >
> >
> >
>
>
>
```

```
---
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To unsubscribe send a blank email to leave-aprssig-842K@lists.tapr.org
Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org
```

252. Your confirmation is needed (ok 842)

From: Lyris <unsubscribe-confirm@lists.tapr.org>
Date: Sun, 09 Jun 2002 09:28:32 -0600
To: lyris.aprssig@tapr.org
Message-ID: <LYR842-84056-2002.06.09-09.28.32--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

```
Your email address 'lyris.aprssig@tapr.org' has been submitted to be
unsubscribed from the 'aprssig' mailing list.

This unsubscribe command requires your confirmation that you want to be
unsubscribed.

To confirm that you do want to unsubscribe, reply to this message so that
the words "ok 842" appear somewhere on the subject line.

Make sure that your reply message is addressed to
unsubscribe-confirm@lists.tapr.org

You will receive notification that your confirmation has been received, and
that you have been unsubscribed.

If you do not want to unsubscribe, do nothing.  You will be kept on the
mailing list.

---

Return-Path: <targetemailextractor@btamail.net.cn>
Received: from ahgov.com ([61.132.182.113]) by lists.tapr.org with SMTP (Lyris Server version 3.0); Sun,
 09 Jun 2002 09:27:54 -0600
Received: from html [61.174.192.114] by ahgov.com
  (SMTPD32-7.00 EVAL) id AF282200D4; Mon, 03 Jun 2002 20:20:56 +0800
From: targetemailextractor@btamail.net.cn
To: aprssig-request
Subject:
Date: Mon, 3 Jun 2002 20:12:38
Mime-Version: 1.0
Content-Type: text/html; charset="DEFAULT_CHARSET"
X-Priority: 3
X-MSMail-Priority: Normal
X-Mailer: Microsoft Outlook Express 5.00.2919.6700
X-MimeOLE: Produced By Microsoft MimeOLE V5.00.2919.6700
Message-Id: <200206032020105.SM00988@html>

# Mail sent to leave-aprssig-842k was converted to these commands:
unsubscribe aprssig lyris.aprssig@tapr.org confirm
end

# This is the text of the message that triggered the action:

Return-Path: <targetemailextractor@btamail.net.cn>
Received: from ahgov.com ([61.132.182.113]) by lists.tapr.org with SMTP (Lyris Server version 3.0); Sun,
 09 Jun 2002 09:27:54 -0600
Received: from html [61.174.192.114] by ahgov.com
  (SMTPD32-7.00 EVAL) id AF282200D4; Mon, 03 Jun 2002 20:20:56 +0800
From: targetemailextractor@btamail.net.cn
To: leave-cct-math-295x@liste.cst.cnes.fr
Subject: Direct Email Blaster, Email extractor, email downloader, email verify ..........
Date: Mon, 3 Jun 2002 20:12:38
Mime-Version: 1.0
Content-Type: text/html; charset="DEFAULT_CHARSET"
X-Priority: 3
X-MSMail-Priority: Normal
X-Mailer: Microsoft Outlook Express 5.00.2919.6700
```

```
X-MimeOLE: Produced By Microsoft MimeOLE V5.00.2919.6700
Message-Id: <200206032020105.SM00988@html>


<html>

<head>
</head>

<body>
<div>
  <font face="Arial">&nbsp;</font>
</div>
<div>
  □□
</div>
<div>
  <strong><font color="#ff0080" size="4" face="Arial">Direct Email Blaster</font></strong>
</div>
<font size="2">
<p><font face="Arial"><b><font color="#006600"><i>The program will send mail at the
rate of over 1, 000 e-mails per minute.&nbsp;</i></font><br>
Legal and Fast sending bulk emails&nbsp;<br>
<font color="#006600"><i>Built in SMTP server&nbsp;</i></font><br>
Have Return Path&nbsp;<br>
Can Check Mail Address&nbsp;<br>
<font color="#006600"><i>Make Error Send Address List( Remove or Send Again)&nbsp;</i></font><br>
Support multi-threads.&nbsp;<br>
Support multi-smtp servers.&nbsp;<br>
Manages your opt-in E-Mail Lists&nbsp;<br>
Offers an easy-to-use interface!&nbsp;<br>
Easy to config and use&nbsp;</b></font></p>
<p><font face="Arial"><a href="http://www.wldinfo.com/bj_download/edeb_set.zip"><strong>Download
Now</strong></a></font></p>
<p><strong><font color="#ff0080" size="4" face="Arial">Maillist Verify</font></strong></p>
<p><font face="Arial">Maillist Verify is intended for e-mail addresses and mail
lists verifying. The main task is to determine which of addresses in the mail
list are dead. The program is oriented, basically, on programmers which have
their own mail lists to inform their users about new versions of their programs.</font></p>
<p><font face="Arial">The program works on the same algorithm as ISP mail
systems do. Mail servers addresses for specified address are extracted from DNS.
The program tries to connect with found SMTP-servers and simulates the sending
of message. It does not come to the message <nobr>sending &#8255;/NOBR&gt; EMV
disconnect as soon as mail server informs does this address exist or not. EMV
can find about 90% of dead addresses &#8255;/NOBR&gt; some mail systems receive
all messages and only then see their addresses and if the address is dead send
the message back with remark about it.</nobr></font></p>
<nobr>
<p><a href="http://www.wldinfo.com/bj_download/bemv_set.zip"><strong><font size="3"
face="Arial">Download
Now</font></strong></a></p>
<p><strong><font color="#ff0080" size="4" face="Arial">Express Email Blaster&nbsp;</font></strong></p>
<p><font face="Arial">Express Email Blaster&nbsp; is a very fast, powerful yet
simple to use email sender. Utilizing multiple threads/connections and multiple
SMTP servers your emails will be sent out fast and easily. There are User
Information, Attach Files, Address and Mail Logs four tabbed area for the
E-mails details for sending. About 25 SMTP servers come with the demo version,
and users may Add and Delete SMTP servers. About <font color="#008000"><b>60,000</b></font>
E-mails will be sent out per hour.&quot;</font></p>
<p><strong><a href="http://www.wldinfo.com/bj_download/beeb_set.zip"><font size="3"
face="Arial">Download
Now</font></a></strong></p>
<p><strong><font color="#ff0080" size="4" face="Arial">Express Email Address
Extractor</font></strong></p>
<font size="4">
<p><font face="Arial"><strong><font size="3" color="#008000">This program is the
most efficient, easy to use email address collector available on the internet! </font><font
color="#000000" size="3">Beijing
Express Email Address Extractor (ExpressEAE) is designed to extract e-mail
addresses from web-pages on the Internet (using HTTP protocols) .ExpressEAE
supports operation through many proxy-server and works very fast, as it is able
of loading several pages simultaneously, and requires very few resources.</font></strong></font></p>
<p><font face="Arial"><strong><font color="#000000" face="Arial"><font size="3">With
it, you will be able to</font><font size="2"> </font><font size="3">use targeted
searches to crawl the world wide web, extracting thousands of clean, fresh email
addresses. Ably Email address Extractor is unlike other address collecting
programs, which limit you to one or two search engines and are unable to do auto
searches HUGE address. Most of them collect a high percentage of incomplete,
unusable addresses which will cause you serious problems when using them in a
```

```
mailing.&nbsp;</font></font></strong></font>
<ul>
  <li><font face="Arial"><strong><font color="#008000" size="3" face="Arial">Easier
    to learn and use than any other email address collector program available.</font></strong></font>
  <li><font face="Arial"><strong><font color="#008000" size="3" face="Arial">Accesses
    eight search engines&nbsp;</font></strong></font>
  <li><font face="Arial"><strong><font color="#008000" size="3" face="Arial">Add
    your own URLs to the list to be searched</font></strong></font>
  <li><font face="Arial"><strong><font size="3" face="Arial"><font color="#008000">Supports
    operation through </font><font color="#ff00ff">a lot of</font><font color="#008000">
    proxy-server and works very fast (HTTP Proxy)</font></font></strong></font>
  <li><font face="Arial"><strong><font color="#008000" size="3" face="Arial">Able
    of loading several pages simultaneously</font></strong></font>
  <li><font face="Arial"><strong><font color="#008000" size="3" face="Arial">Requires
    very few resources</font></strong></font>
  <li><font face="Arial"><strong><font color="#008000" size="3" face="Arial">Timeout
    feature allows user to limit the amount of time crawling in dead sites and
    traps.</font></strong></font>
  <li><font face="Arial"><strong><font size="3" face="Arial"><font color="#008000">Easy
    to make </font><font color="#ff00ff">Huge</font><font color="#008000">
    address list</font></font></strong></font>
  <li><font face="Arial"><strong><font color="#008000" size="3" face="Arial">Pause/continue
    extraction at any time.</font></strong></font>
  <li><font face="Arial"><strong><font color="#008000" size="3" face="Arial">Auto
    connection to the Internet</font></strong></font></li>
</ul>
<div>
  <strong><a href="http://www.wldinfo.com/bj_download/eeae_set.zip"><font size="3" color="#008000"
face="Arial">Download
  Now</font></a></strong>
</div>
<div>
  <strong><font color="#ff0080" face="Arial">Express Email Address Downloader</font></strong>
</div>
<ul>
  <li><font face="Arial"><strong><font color="#006600" size="2">ExpressEAD&nbsp;
    </font><font color="#000000" size="2">is a 32 bit Windows Program for e-mail
    marketing. It is intended for easy and convenient search large e-mail
    address lists from mail servers. The program can be operated on Windows
    95/98/ME/2000 and NT.</font></strong></font>
  <li><font face="Arial"><strong><font color="#006600" size="2">ExpressEAD&nbsp;
    </font><font color="#000000" size="2">support multi-threads (up to 1024
    connections).</font></strong></font>
  <li><font face="Arial"><strong><font color="#006600" size="2">ExpressEAD&nbsp;
    </font><font color="#000000" size="2">has the ability&nbsp; to reconnect to
    the mail server if the server has disconnected and continue the searching at
    the point where it has been interrupted.</font></strong></font>
  <li><font face="Arial"><strong><font color="#006600" size="2">ExpressEAD&nbsp;
    </font><font color="#000000" size="2">has an ergonomic interface that is
    easy to set up and simple to use.</font></strong></font></li>
</ul>
<div>
  <font face="Arial">&nbsp;</font>
</div>
<p><font face="Arial"><strong><font color="#008000" size="4"
face="Arial">Features:</font></strong></font>
<ul type="disc">
  <li><font face="Arial"><strong><font size="2" face="Arial">support
    multi-threads.</font></strong></font>
  <li><font face="Arial"><strong><font size="2" face="Arial">auto get smtp
    server address,support multi-smtp servers.</font></strong></font>
  <li><font face="Arial"><strong><font size="2" face="Arial">auto save&nbsp;
    E-Mail Lists</font></strong></font>
  <li><font face="Arial"><strong><font size="2" face="Arial">offers an
    easy-to-use interface!</font></strong></font></li>
</ul>
<div>
  <strong><a href="http://www.wldinfo.com/bj_download/eead_set.zip"><font size="3" color="#008000"
face="Arial">Download
  Now</font></a></strong>
</div>
<div>
  <font face="Arial">&nbsp;</font>
</div>
<div>
  <strong><font color="#ff0080" face="Arial">Express Maillist Manager</font></strong>
</div>
<div>
  <font face="Arial">&nbsp;</font>
```

```
</div>
<div>
  <font size="2">
  <p><font face="Arial"><font color="black" size="3">This program was designed
  to be a complement to the </font><font color="#800080" size="3">Direct Email
  Blaster&nbsp; </font><font color="black" size="3">and </font><font color="#800080" size="3">Email
  Blaster </font><font color="black" size="3">suite of bulk email software
  programs. Its purpose is to organize your email lists in order to be more
  effective with your email marketing campaign. Some of its features include:</font></font></p>
  <p><b><font color="#008000" face="Arial"><font size="3">&#8255;Combine several
  lists into one file.</font><br>
  <font size="3">&#8255;Split up larger lists to make them more manageable.</font><br>
  <font size="3">&#8255;Remove addresses from file.</font><br>
  <font size="3">&#8255;Manual editing, adding, and deleting of addresses.</font><br>
  <font size="3">&#8255;Ability to auto clean lists, that is, remove any
  duplicate or unwanted addresses.</font><br>
  <font size="3">&#8255;Maintain all your address lists within the program so
  you no&nbsp; longer need to keep all your lists saved as separate text files.</font></font></b></p>
  <p><strong><a href="http://www.wldinfo.com/bj_download/bemm_set.zip"><font size="3" color="#008000"
face="Arial">Download
  Now</font></a></strong></p>
  <p><font face="Arial">&nbsp;</font></p>
  <p>□□</p>
  <div>
    <font face="Arial">if you want to remove your email, please send email to <a
href="mailto:targetemailremoval@btamail.net.cn">targetemailremoval@btamail.net.cn</a></font>
  </div>
  <div>
    <font face="Arial">&nbsp;</font>
  </div>
  <div>
    <font face="Arial">&nbsp;</font>
  </div>
  <div>
    □□
  </div>
  </font>
</div>
</font></nobr></font>

</body>

</html>
<html><body><br><br><br>                                         <br><a href=
                     >
</a><br>                                        </body></html>
```

253. [aprssig] Re: FT-1500M

From: "J.Duffy Beischel" <wb8nut@arrl.net>
Date: Sun, 9 Jun 2002 9:7:25
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-84057-2002.06.09-09.43.46--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

I just picked up an FT-1500M at Dayton because the price is excellent. I originally used the 1500 with the KPC3+ but wired it to the mic and external speaker connection. That way, I don't have to listen to the audio since it is a dedicated APRS radio and is in the rear "cargo" area of the Ford Escape. It worked perfect from the moment I hooked it up. I just replaced the KPC3+ with a TinyTrakII that I just finished building since I like the intelligent tracking feature of the TTII. Ended building the TTII in an A/B switch box that had three DB9 cutouts on ther rear panel. Wired up on DB9 for the computer input (programming the TTII), one for connection to the GPS unit, and one that is wired up exactly like the KPC3+ allowing me to switch the TTII with the KPC3+ without any changes! Works great with either unit! BTW, pictures of my TTII in the A/B box are posted in the photos section of the TinyTrak group on yahoo groups.

Duffy
www.wb8nut.com

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254. [aprssig] FT-1500M Problem

From: "Charles Whicker" <k4itv@bvunet.net>
Date: Sun, 9 Jun 2002 9:7:30
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-84058-2002.06.09-09.43.59--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

I wish to thank all for replies to my recent post concerning transmit problems from the Data port of my FT-1500M. I am not a rookie cable builder so pinouts, etc, is not the problem and I will not dig into perfectly working good modems to try and correct a radio problem. It works fine from the Mike port but this does not meet my needs.
One fourth of the respondents have exactly the same problem I do, one had been sent back under warranty for the same thing and the rest work fine. A real mystery. (All respondents did not own this rig)
I purchased this unit from a legitimate dealer at a hamfest for less than 100 bucks, it having been used as a demo, and not worth the hassle of sending across the U.S.for warranty repair.

Again thanks to all and we will put this one to rest!

Charlie K4ITV
Bristol, VA

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255. [aprssig] Re: What's with EMERGENCY MESSAGES???

From: Paul Womble <pwomble1@tampabay.rr.com>
Date: Sun, 09 Jun 2002 10:07:45 -0400
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-84059-2002.06.09-09.44.33--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

While knowing the type of emergency would be important information for responders, the fact that we know an emergency exists and it's location is far more important.

Without knowing an emergency exists there is no reason to respond. (Kinda like bears pooping or trees falling in the woods. If no one know's there to see it...)

If we know an emergency is occuring, but don't know where it is, there is no where to respond.

When I was dispatching Fire/EMS, we would get 911 calls from cell phone callers reporting a traffic crash and send help. They would hang up before telling us where the crash was. Knowing there was a crash, but not knowing where it was, caused us to do nothing except wait for another caller to tell us where the crash was.

73
Paul K4FB

Spider wrote:

>
> WA2ZXS>APRS,TCPIP,W1TYL*:@080907z4401.93N>07545.11W/311/369/Mic-E/M7/EMERGEN
> CY!>":w}
>
> So, in 3 seconds or less, read (with your eyes wide open) and tell me what
> kind of emergency this is?
> Who: WA2ZXS sent it.
> Time: 080907Z
> Location: 4401.93N by 07545.11W
> Type: Emergency
>
>

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256. [aprssig] Re: What's with EMERGENCY MESSAGES???

From: "Ronald Reams" <wa4mjf@worldnet.att.net>
Date: Sun, 9 Jun 2002 10:22:06 -0400

To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: "APRS Sig" <aprssig@lists.tapr.org>
Message-ID: <LYR842-84060-2002.06.09-09.58.32--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

```
Hi Jim,

Doesn't the callsign at the start of the string
answer all those questions?

73 de Ronnie




----- Original Message -----
From: "Spider" <spider@rivcom.net>
To: "Ronald Reams" <wa4mjf@worldnet.att.net>
Sent: Sunday, June 09, 2002 10:17
Subject: Re: [aprssig] Re: What's with EMERGENCY MESSAGES???


Hi!
Should have answered the typical  who what where why questions.

Jim

----- Original Message -----
From: "Ronald Reams" <wa4mjf@worldnet.att.net>
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Sent: Sunday, June 09, 2002 6:46 AM
Subject: [aprssig] Re: What's with EMERGENCY MESSAGES???


> Well, it is kinda hard to do what you want at
> the end of your post.
>
> The callsign WA2ZXS is the one that is known to
> be used testin' the system.  So my first thought when I see
> the callsign is, "oh, this is the PEAPRS test station".
>
> What was lookin' at it for 3 seconds supposed to do?
>
> 73 de Ronnie


---
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```

257. [aprssig] Re: What's with EMERGENCY MESSAGES???

From: "Ronald Reams" <wa4mjf@worldnet.att.net>
Date: Sun, 9 Jun 2002 10:28:49 -0400
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-84066-2002.06.09-10.05.12--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

```
I'm not a cell phone user, but I do know that the FCC required
at a date that has past that cell phones give their location to
911 centers similar to land line phones.

I also know that we're not supposed to be seein'
analog TV and TV stations aren't supposed to have two
channels any longer.

The general masses (ie the ignorant) believe these things
are so, because the government has told them.

So all y'all will have to excuse them.  We hams keep up with
stuff like this and realize when the FCC says that somethin's
gonna happen it is more likely that it won't happen
than will.

73 de Ronnie


----- Original Message -----
From: "Paul Womble" <pwomble1@tampabay.rr.com>
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
```

Sent: Sunday, June 09, 2002 10:07
Subject: [aprssig] Re: What's with EMERGENCY MESSAGES???

While knowing the type of emergency would be important information for
responders, the fact that we know an emergency exists and it's location is
far
more important.

Without knowing an emergency exists there is no reason to respond. (Kinda
like
bears pooping or trees falling in the woods. If no one know's there to see
it...)

If we know an emergency is occuring, but don't know where it is, there is no
where to respond.

When I was dispatching Fire/EMS, we would get 911 calls from cell phone
callers
reporting a traffic crash and send help. They would hang up before telling
us
where the crash was. Knowing there was a crash, but not knowing where it
was,
caused us to do nothing except wait for another caller to tell us where the
crash was.

73
Paul K4FB

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---

258. [aprssig] Re: What's with EMERGENCY MESSAGES???

From: "Spider" <spider@rivcom.net>
Date: Sun, 9 Jun 2002 07:32:14 -0700
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-84067-2002.06.09-10.08.51--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

----- Original Message -----
From: "Paul Womble" <pwomble1@tampabay.rr.com>
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Sent: Sunday, June 09, 2002 7:07 AM
Subject: [aprssig] Re: What's with EMERGENCY MESSAGES???

> While knowing the type of emergency would be important information for
> responders, the fact that we know an emergency exists and it's location is
far
> more important.
>
> Without knowing an emergency exists there is no reason to respond. (Kinda
like
> bears pooping or trees falling in the woods. If no one know's there to
see
> it...)
>
> If we know an emergency is occuring, but don't know where it is, there is
no
> where to respond.
>
> When I was dispatching Fire/EMS, we would get 911 calls from cell phone
callers
> reporting a traffic crash and send help. They would hang up before
telling us
> where the crash was. Knowing there was a crash, but not knowing where it
was,
> caused us to do nothing except wait for another caller to tell us where
the
> crash was.

Pretty good story. However, you mentioned emergency and not knowing and
then you mentioned it as a crash, so you knew.
Would you send a team out, unprepard in regards to walking up to a bear
pooping in the woods? <G> Or walk into a forrest with trees falling in the

woods. What would you send? Swat team, fire, medical, police, Poo-Bear? <G>
I see what you mentioned all the time....it's hard to be a 911 dispatcher!
Jim

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259. [aprssig] Re: FT-1500M

From: David VanHorn <dvanhorn@cedar.net>
Date: Sun, 09 Jun 2002 09:56:47 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-84068-2002.06.09-10.33.33--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

At 09:07 AM 6/9/2002 +0000, J.Duffy Beischel wrote:
>I just picked up an FT-1500M at Dayton because the price is excellent. I
>originally used the 1500 with the KPC3+ but wired it to the mic and
>external speaker connection. That way, I don't have to listen to the
>audio since it is a dedicated APRS radio and is in the rear "cargo" area
>of the Ford Escape.

Interesting. I've done the same thing with mine, and an Alinco DR-1200 .
That puts APRS and SSTV back in the cargo area, along with a large gell
cell, and their antennas, and really de-clutters the cabin.

I'm using USB serial to talk to everything, one USB cable to the back, from
the laptop.

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260. [aprssig] Re: What's with EMERGENCY MESSAGES???

From: frastephen@comcast.net
Date: Sun, 09 Jun 2002 11:12:38 -0400
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-84069-2002.06.09-10.49.08--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

----- Original Message -----
From: "Spider" <spider@rivcom.net>
> Can you honestly say to yourself that you could sit in
> front of a terminal (notice I did not say computer) and read the packet I
> posted? From the PACKET I POSTED, without the aid of a computer, can you
> tell me exactly what type of emergency, And, keep in mind the vast
majority
> of amateur radio operators knew nothing of this test.

Well, not to pick nits, but without a COMPUTER running APRS you would not
have seen the packet you posted. This test came from a D7, which sends
compressed packets. The packet stream I received from the test (on UI-View
and a D700) clearly indicated it was a test.....

On the other hand, I really do not understand the point of this test.
Setting the Position Comment to "EMERGENCY!" does not test anything. We all
know that if you set that Postion Comment on a D7/D700 the alarms will go
off in every Kenwood in "earshot". But so what?

A few months ago, when it was reported that a dumb-tracker sending the
"EMERGENCY!" Position Comment was sending corrupt packets, there was a
discussion about what this Position Comment means and what one is supposed
to do with it. The philosophical question was this: Does "EMERGENCY!" =
MAYDAY. IMHO, it does not. Only MAYDAY (an internationally recognized
distress call) = "MAYDAY". Anything else is just (very ambiguous)
information. I don't think that philosophical debate has ever been resolved.

Bottom Line: it is not clear what one is supposed to do if the "EMERGENCY!"
alarm goes off........

Peace & 73
Stephen

W3SMK
K2 #2644

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261. [aprssig] Re: What's with EMERGENCY MESSAGES???

From: "Rich Garcia" <k4gps@bellsouth.net>
Date: Sun, 9 Jun 2002 11:16:43 -0400
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-84070-2002.06.09-10.53.01--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Let me butt in here on this one. Having been the first person, read person, not even carrier to have enabled Enhanced 911 in Florida. I work for a Cellular carrier and due to my coverage area of somewhat low population but yet large enough to have E911 (Enhanced 911) I got picked to do the first tests and go live.

Cell phones, PCS phones, any wireless phone does NOT give a users exact location, maybe in the future but that is still in the planning phase. Also you may have seen claims that some phones can do this and it is true, there have been designs but I do not believe any are on the market since the infrastructure does not exist.

There is 911 (just routes you to a PSAP in the area)
911 with a form of ID (tells them what cell site you are off and what antenna sector)
Enhanced 911 which gives you the call back number (caller ID, number no name and SOMETIMES what sector)

Future... Caller ID and Location.

Also your milage may vary depending on the PSAP, sometimes the coordinator does not even care what sector you are on so
that will not be included the display. Since we are working on radio here the routing may or may not be correct, that is based on the county 911 coordinator and where the cell site is. The antenna direction may aim towards a town or unincorporated zone but you may be in another so it is important to give your EXACT location since you may have gone to another agency that does not serve the area. I do about 1K miles a week working so I use 911 all the time, this is important and it is important to stay on the line. I have had cases where the answering party has asked me to call another number, has not been able to forward my call to another agency, or has forwarded me to the wrong number, they stay on the line but you got to stay on there with them!

Under extreme circumstances there can be a trace put on the phone where we can monitor the system and see what cell sites the call is handing off from and from which antenna face. But so much is needed that it is rare, 1st they need to know what carrier to call, 2nd we need to know the phone number of the customer, 3rd we need to get someone in the Engineering Dept to run the unix script, 4th the caller must stay on the line and be moving so we can monitor the handoff's, 5th it would need to be done during the day when someone is in that department or call someone in which takes time. This just gives us direction of travel and general area.

Future plans are for triangulation based on the cell sites (DF'ing)that are hearing your call for your location and also phones with built in GPS receivers for a "aprs" type of positioning but who knows when. And remember, there are still many places which do not have any information whatsoever on your call, all they have is a phone no display, one nearby county is still in the stone age.

So please don't have a false sense of security, this is the inside scoop, no one uses any "presudo APRS" features for wireless phones at this time.

Rich K4GPS
k4gps@bellsouth.net

-----Original Message-----
From: bounce-aprssig-19959@lists.tapr.org
[mailto:bounce-aprssig-19959@lists.tapr.org]On Behalf Of Ronald Reams

Sent: Sunday, June 09, 2002 10:29 AM
To: TAPR APRS Special Interest Group
Subject: [aprssig] Re: What's with EMERGENCY MESSAGES???

SNIP>>
I'm not a cell phone user, but I do know that the FCC required
at a date that has past that cell phones give their location to
911 centers similar to land line phones.
NIP>>

73 de Ronnie

----- Original Message -----
From: "Paul Womble" <pwomble1@tampabay.rr.com>
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Sent: Sunday, June 09, 2002 10:07
Subject: [aprssig] Re: What's with EMERGENCY MESSAGES???

While knowing the type of emergency would be important information for
responders, the fact that we know an emergency exists and it's location is
far
more important.

Without knowing an emergency exists there is no reason to respond. (Kinda
like
bears pooping or trees falling in the woods. If no one know's there to see
it...)

If we know an emergency is occuring, but don't know where it is, there is no
where to respond.

When I was dispatching Fire/EMS, we would get 911 calls from cell phone
callers
reporting a traffic crash and send help. They would hang up before telling
us
where the crash was. Knowing there was a crash, but not knowing where it
was,
caused us to do nothing except wait for another caller to tell us where the
crash was.

73
Paul K4FB

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To unsubscribe send a blank email to leave-aprssig-842K@lists.tapr.org
Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

---
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Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

262. [aprssig] Re: What's with EMERGENCY MESSAGES???

From: "Ronald Reams" <wa4mjf@worldnet.att.net>
Date: Sun, 9 Jun 2002 11:29:51 -0400
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: "APRS Sig" <aprssig@lists.tapr.org>
Message-ID: <LYR842-84071-2002.06.09-11.06.10--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Hee-hee....

I meant the call was well published in ARRL
Bulletins and other miedia as bein ' the one
that the USAF was gonna use for these tests!!!

----- Original Message -----
From: "Spider" <spider@rivcom.net>
To: "Ronald Reams" <wa4mjf@worldnet.att.net>

Sent: Sunday, June 09, 2002 10:33
Subject: Re: [aprssig] Re: What's with EMERGENCY MESSAGES???

No. I am WA6OFT, I do not live in 6 land.

Jim

----- Original Message -----
From: "Ronald Reams" <wa4mjf@worldnet.att.net>
To: "Spider" <spider@rivcom.net>
Cc: "APRS Sig" <aprssig@lists.tapr.org>
Sent: Sunday, June 09, 2002 7:22 AM
Subject: Re: [aprssig] Re: What's with EMERGENCY MESSAGES???

> Hi Jim,
>
> Doesn't the callsign at the start of the string
> answer all those questions?
>
> 73 de Ronnie

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Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

263. [aprssig] Re: What's with EMERGENCY MESSAGES???

From: "Ronald Reams" <wa4mjf@worldnet.att.net>
Date: Sun, 9 Jun 2002 11:32:17 -0400
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: "APRS Sig" <aprssig@lists.tapr.org>
Message-ID: <LYR842-84072-2002.06.09-11.08.50--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Well, I think you said that the cellphone users thought
you were gettin' there location on your 'puter when they
called 911.

They are told this and believe, even thought
we know that not a lotta 911 centers are equiped for this.

They believe this because the FCC told 'um so.

73 de Ronnie

----- Original Message -----
From: "Paul Womble" <pwomble1@tampabay.rr.com>
To: "Ronald Reams" <wa4mjf@worldnet.att.net>
Sent: Sunday, June 09, 2002 10:37
Subject: Re: [aprssig] Re: What's with EMERGENCY MESSAGES???

What does bashing the FCC have to do with APRS and Emergency testing?

Paul K4FB

You are currently subscribed to aprssig as: lyris.aprssig@tapr.org
To unsubscribe send a blank email to leave-aprssig-842K@lists.tapr.org
Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

264. [aprssig] Re: Out of Memory in Station List

From: "Dick Stanich" <dick@kb7zva.com>
Date: Sun, 9 Jun 2002 10:33:11
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-84073-2002.06.09-11.09.40--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

> Now...how about an answer to the question I asked. Is the station list a
> FIFO or not?
> Once the "out of station memory" warning comes up, are new stations still

> accumulating, with the oldest station being deleted?

> hasan schiers, N0AN

When it states 'out of memory', no new stations appear anywhere. It is NOT FIFO, removing the oldest station. All old stations are retained, nothing new appears. The buffer is ka-put. <g>

memory.txt will control buffer sizes:

```
STATIONS<tab>8192
MESSAGES<tab>8192
```

Winaprs can't rewrite buffers once they are established at program startup. However, you can clear stations manually, using the EDIT tab. Messages are handled differently.

I have not played with larger buffer sizes, but they should work if you have enough available computer memory. You can also use the station time out feature in settings. If you set it for 2 hours... stations not heard during that time period are removed from your lists.

Hope that helps.

Dick, KB7ZVA
SouthWest Arizona APRS Group
http://kb7zva.com

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Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

265. [aprssig] Re: What's with EMERGENCY MESSAGES???

From: "Ronald Reams" <wa4mjf@worldnet.att.net>
Date: Sun, 9 Jun 2002 11:38:37 -0400
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-84074-2002.06.09-11.17.08--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

As I recall, the cellphone sustem has nothin' to with APRS.

It would transmit the coordiantes of the cell phone to the 911 center.

As I said earlier, I'm not a cell phone user. However, readin' about it, I think the FCC was thinkin' about a a kinda phone with built in GPS that would give the 911 center the location of the caller.

73 de Ronnie

----- Original Message -----
From: "Rich Garcia" <k4gps@bellsouth.net>
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Sent: Sunday, June 09, 2002 11:16
Subject: [aprssig] Re: What's with EMERGENCY MESSAGES???

Let me butt in here on this one. Having been the first person, read person, not even carrier to have enabled Enhanced 911 in Florida. I work for a Cellular carrier and due to my coverage area of somewhat low population but yet large enough to have E911 (Enhanced 911) I got picked to do the first tests and go live.

Cell phones, PCS phones, any wireless phone does NOT give a users exact location, maybe in the future but that is still in the planning phase. Also you may have seen claims that some phones can do this and it is true, there have been designs but I do not believe any are on the market since the infrastructure does not exist.

There is 911 (just routes you to a PSAP in the area)
911 with a form of ID (tells them what cell site you are off and what antenna sector)
Enhanced 911 which gives you the call back number (caller ID, number no name and SOMETIMES what sector)

Future... Caller ID and Location.

Also your milage may vary depending on the PSAP, sometimes the coordinator does not even care what sector you are on so that will not be included the display. Since we are working on radio here the routing may or may not be correct, that is based on the county 911 coordinator and where the cell site is. The antenna direction may aim towards a town or unincorporated zone but you may be in another so it is important to give your EXACT location since you may have gone to another agency that does not serve the area. I do about 1K miles a week working so I use 911 all the time, this is important and it is important to stay on the line. I have had cases where the answering party has asked me to call another number, has not been able to forward my call to another agency, or has forwarded me to the wrong number, they stay on the line but you got to stay on there with them!

Under extreme circumstances there can be a trace put on the phone where we can monitor the system and see what cell sites the call is handing off from and from which antenna face. But so much is needed that it is rare, 1st they need to know what carrier to call, 2nd we need to know the phone number of the customer, 3rd we need to get someone in the Engineering Dept to run the unix script, 4th the caller must stay on the line and be moving so we can monitor the handoff's, 5th it would need to be done during the day when someone is in that department or call someone in which takes time. This just gives us direction of travel and general area.

Future plans are for triangulation based on the cell sites (DF'ing)that are hearing your call for your location and also phones with built in GPS receivers for a "aprs" type of positioning but who knows when. And remember, there are still many places which do not have any information whatsoever on your call, all they have is a phone no display, one nearby county is still in the stone age.

So please don't have a false sense of security, this is the inside scoop, no one uses any "presudo APRS" features for wireless phones at this time.

Rich K4GPS
k4gps@bellsouth.net

-----Original Message-----
From: bounce-aprssig-19959@lists.tapr.org
[mailto:bounce-aprssig-19959@lists.tapr.org]On Behalf Of Ronald Reams
Sent: Sunday, June 09, 2002 10:29 AM
To: TAPR APRS Special Interest Group
Subject: [aprssig] Re: What's with EMERGENCY MESSAGES???

SNIP>>
I'm not a cell phone user, but I do know that the FCC required at a date that has past that cell phones give their location to 911 centers similar to land line phones.
NIP>>

73 de Ronnie

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Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

266. [aprssig] Fw: Re: What's with EMERGENCY MESSAGES???

From: "Ronald Reams" <wa4mjf@worldnet.att.net>
Date: Sun, 9 Jun 2002 11:40:23 -0400
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-84075-2002.06.09-11.18.00--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

----- Original Message -----
From: "Ronald Reams" <wa4mjf@worldnet.att.net>
To: "Rich Garcia" <k4gps@bellsouth.net>; "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Sent: Sunday, June 09, 2002 11:38
Subject: Re: [aprssig] Re: What's with EMERGENCY MESSAGES???

As I recall, the cellphone system has nothin' to with APRS.

It would transmit the coordinates of the cell phone to the 911 center.

As I said earlier, I'm not a cell phone user. However, readin' about it, I think the FCC was thinkin' about a a kinda phone with built in GPS that would give the 911 center the location of the caller.

May have been the 1996 law.

73 de Ronnie

----- Original Message -----
From: "Rich Garcia" <k4gps@bellsouth.net>
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Sent: Sunday, June 09, 2002 11:16
Subject: [aprssig] Re: What's with EMERGENCY MESSAGES???

Let me butt in here on this one. Having been the first person, read person, not even carrier to have enabled Enhanced 911 in Florida. I work for a Cellular carrier and due to my coverage area of somewhat low population but yet large enough to have E911 (Enhanced 911) I got picked to do the first tests and go live.

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that will not be included the display. Since we are working on radio here the routing may or may not be correct, that is based on the county 911 coordinator and where the cell site is. The antenna direction may aim towards a town or unincorporated zone but you may be in another so it is important to give your EXACT location since you may have gone to another agency that does not serve the area. I do about 1K miles a week working so I use 911 all the time, this is important and it is important to stay on the line. I have had cases where the answering party has asked me to call another number, has not been able to forward my call to another agency, or has forwarded me to the wrong number, they stay on the line but you got to stay on there with them!

Under extreme circumstances there can be a trace put on the phone where we can monitor the system and see what cell sites the call is handing off from and from which antenna face. But so much is needed that it is rare, 1st they need to know what carrier to call, 2nd we need to know the phone number of the customer, 3rd we need to get someone in the Engineering Dept to run the unix script, 4th the caller must stay on the line and be moving so we can monitor the handoff's, 5th it would need to be done during the day when someone is in that department or call someone in which takes time. This just gives us direction of travel and general area.

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So please don't have a false sense of security, this is the inside scoop, no one uses any "presudo APRS" features for wireless phones at this time.

Rich K4GPS
k4gps@bellsouth.net

-----Original Message-----
From: bounce-aprssig-19959@lists.tapr.org
[mailto:bounce-aprssig-19959@lists.tapr.org]On Behalf Of Ronald Reams
Sent: Sunday, June 09, 2002 10:29 AM
To: TAPR APRS Special Interest Group

Subject: [aprssig] Re: What's with EMERGENCY MESSAGES???

SNIP>>
I'm not a cell phone user, but I do know that the FCC required
at a date that has past that cell phones give their location to
911 centers similar to land line phones.
NIP>>

73 de Ronnie

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Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

267. [aprssig] Fw: Re: What's with EMERGENCY MESSAGES???

From: "Ronald Reams" <wa4mjf@worldnet.att.net>
Date: Sun, 9 Jun 2002 11:41:51 -0400
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-84076-2002.06.09-11.18.40--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

----- Original Message -----
From: "Ronald Reams" <wa4mjf@worldnet.att.net>
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: "APRS Sig" <aprssig@lists.tapr.org>
Sent: Sunday, June 09, 2002 11:32
Subject: [aprssig] Re: What's with EMERGENCY MESSAGES???

Well, I think you said that the cellphone users thought
you were gettin' their location on your 'puter when they
called 911.

They are told this and believe, even though
we know that not a lotta 911 centers are equiped for this.

They believe this because the FCC told 'um so.

73 de Ronnie

----- Original Message -----
From: "Paul Womble" <pwomble1@tampabay.rr.com>
To: "Ronald Reams" <wa4mjf@worldnet.att.net>
Sent: Sunday, June 09, 2002 10:37
Subject: Re: [aprssig] Re: What's with EMERGENCY MESSAGES???

What does bashing the FCC have to do with APRS and Emergency testing?

Paul K4FB

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Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

268. [aprssig] PEAPRS Experiment

From: "Ronald Reams" <wa4mjf@worldnet.att.net>
Date: Sun, 9 Jun 2002 11:54:43 -0400
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>

Message-ID: <LYR842-84077-2002.06.09-11.31.40--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

The question that no one has asked:

Why was the callsign WA2ZXS?

For many moons (as the injuns would say),
experimental station were suffixed with
a leadin' X.

So should the call have been WA2XZS?

Any thoughts or knowledge on this?

73 de Ronnie

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Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

---

269. [aprssig] Re: PEAPRS Experiment

From: "Dick Stanich" <dick@kb7zva.com>
Date: Sun, 9 Jun 2002 11:19:31
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-84082-2002.06.09-11.55.58--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

> Why was the callsign WA2ZXS?
>
> For many moons (as the injuns would say),
> experimental station were suffixed with
> a leadin' X.
>
> So should the call have been WA2XZS?
>
> Any thoughts or knowledge on this?

Callsign: WA2ZXS
Name: 416 COMBAT SUPPORT GROUP
Addr1: 5153 BEACON LIGHT RD
Addr2: VERONA, NY 13478
Country: USA
Effective: 05 Jun 2001   Expires: 07 May 2011
Trustee: KA2NIL

Good question! Maybe KA2NIL could enlighten us. I'm sure there is an answer
out there somewhere :)

Dick, KB7ZVA

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Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

---

270. [aprssig] Re: PEAPRS Experiment

From: JD Delancy <W1JD@drix.net>
Date: Sun, 09 Jun 2002 12:22:01 -0400
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-84083-2002.06.09-12.05.13--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Callsign look up sez:

Call: WA2ZXS

416 COMBAT SUPPORT GROUP
5153 BEACON LIGHT RD
VERONA, NY 13478

Sounds like a Military Recreation Station License to me since the 416 CSG is an AF
Unit.

Ronald Reams wrote:

```
>
> The question that no one has asked:
>
> Why was the callsign WA2ZXS?
>
> For many moons (as the injuns would say),
> experimental station were suffixed with
> a leadin' X.
>
> So should the call have been WA2XZS?
>
> Any thoughts or knowledge on this?
>
> 73 de Ronnie
>
> ---
> You are currently subscribed to aprssig as: W1JD@drix.net
> To unsubscribe send a blank email to leave-aprssig-842K@lists.tapr.org
> Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

---
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To unsubscribe send a blank email to leave-aprssig-842K@lists.tapr.org
Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org
```

---

271. [aprssig] Re: Out of Memory in Station List

```
From: "Bill Guthrie" <willy3jax@telocity.com>
Date: Sun, 9 Jun 2002 12:35:45 -0400
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-84084-2002.06.09-12.08.12--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain
```

```
Question:

The station time out feature does not remove the station from the buffer
either, from what I can tell. The only fix is to reset the buffer under the
"clear stations" button in "edit" ?

Bill, KC4OUA



----- Original Message -----
From: "Dick Stanich" <dick@kb7zva.com>
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Sent: Sunday, June 09, 2002 10:33 AM
Subject: [aprssig] Re: Out of Memory in Station List


> > Now...how about an answer to the question I asked. Is the station list a
> > FIFO or not?
> > Once the "out of station memory" warning comes up, are new stations
still
> > accumulating, with the oldest station being deleted?
>
> > hasan schiers, N0AN
>
> When it states 'out of memory', no new stations appear anywhere. It is NOT
> FIFO, removing the oldest station. All old stations are retained, nothing
> new appears. The buffer is ka-put. <g>
>
> memory.txt will control buffer sizes:
>
> STATIONS<tab>8192
> MESSAGES<tab>8192
>
> Winaprs can't rewrite buffers once they are established at program
startup.
> However, you can clear stations manually, using the EDIT tab. Messages are
> handled differently.
>
> I have not played with larger buffer sizes, but they should work if you
> have enough available computer memory. You can also use the station time
> out feature in settings. If you set it for 2 hours... stations not heard
> during that time period are removed from your lists.
>
> Hope that helps.
>
> Dick, KB7ZVA
> SouthWest Arizona APRS Group
> http://kb7zva.com
>
> ---
> You are currently subscribed to aprssig as: willy3jax@telocity.com
> To unsubscribe send a blank email to leave-aprssig-842K@lists.tapr.org
> Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org
>
>
>



---
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Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org
```

272. [aprssig] Re: Path Question

From: Bob Bruninga <bruninga@usna.edu>
Date: Sun, 9 Jun 2002 12:39:09 -0400 (EDT)
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: TAPR APRS Special Interest Group <aprssig@lists.tapr.org>
Message-ID: <LYR842-84085-2002.06.09-12.15.51--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

```
On Sat, 8 Jun 2002, roger w rockwell wrote:

> Motorcycle ride from Key West, Fl to Homer, Alaska:
> I thought   relay, wide2-2  or   wide2-2
> Beacon every 7 min.

I would set to once a minute while moving.  You will be out of range of
all digipeaters most of the time.   At 60 MPh, and 1 packet every 7
minutes, you will beacon only once every 7 miles and since mobile to
mobile range is typically 3 miles or so, you could pass right by someone
and never see each  other...  Always set to one per
minute when out of range of digis.  EVEN while stopped so that someone
driving by at 60MPH will see you at the picnic area in time to slow down
for an eyeball...

Now many people will complain about once a minute beacons through their
area.  They dont like to see their maps cluttered by visiting
mobiles actually using APRS...  But since you are on an important long
distance trip, and at  60 MPH you will never be in range of one digi for
more than say 15 to 20 minutes or so in the East..  so  it is truley
doubtful that your position  reports will be that much of a nuisance.  If
they are, turn it off a few minutes every few minutes...

If you cannot easiliy reprogram throughout the trip at all, set
RELAY,WIDE2-2 or WIDE,WIDE2-2.  and just use the ON/OFF switch to keep
your rate down in busy areas... and certainly after you stop even
briefly...  The leading RELAY or WIDE is so that if your GPS fails, then
at least your packets will all arrive at FINDU.COM with the callsign of
your closest digi in the path (callsign substitution).  But again, this
only works in those areas that support NOID on the digipeaters.  Some
areas have ID set and so this ability to track (by frist digi) without a
GPS is lost..

This is why we really need to know where all the areas are that do not
support RELAY other than Southern Calif and I think New Mexico... and
where are all of those digis that have ID set.  I have asked that those
digis be marked with n "I" overlay so that users can tell what areas
support what...

It sounds like 95% of your trip will be completely out of range of
any digis so set up for that mode and then use the ON/OFF switch to
control it in the other 5% if you have a problem...

de WB4APR, Bob



---
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```

273. [aprssig] Re: FT-1500M

From: Earl Needham <needhame@yucca.net>
Date: Sun, 09 Jun 2002 11:01:49 -0600
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-84086-2002.06.09-12.39.42--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

```
At 09:07 AM 6/9/2002 +0000, J.Duffy Beischel wrote:
>I just picked up an FT-1500M at Dayton because the price is excellent.  I
>originally used the 1500 with the KPC3+ but wired it to the mic and
>external speaker connection.  That way, I don't have to listen to the audio
>since it is a dedicated APRS radio and is in the rear "cargo" area of the
>Ford Escape.

         I'm using mine as an APRS radio, but I have it mounted up front,
and I'm using the data port on the back of the rig.  Sometimes, I want to
listen to the audio, and sometimes I don't.  When I don't, I just turn the
volume down, and the KPC-3 keeps getting the same audio.  In other words,
the volume control gives me audio, or not, but doesn't affect the audio
from the data port.

>   It worked perfect from the moment I hooked it up.

         Mine did, too, and it's a GREAT setup.  Of course, I bought a PS/2
extension cable and cut one end off to get the cable I'm now using.

>   I just replaced the KPC3+ with a TinyTrakII that I just finished
> building since I
>like the intelligent tracking feature of the TTII.

         I'm using mine with a HamHUD, but it would be pretty simple to
take the 'HUD out of the line and run the GPS directly to the KPC-3.  Not
that I'd want to, as I REALLY like the limited display the 'HUD gives me.

         7 3
         Earl


Earl Needham, KD5XB, Clovis, New Mexico  DM84jk
KD5XB-2>APW251,PCSAT-1*:=3425.83N/10313.55W-PHG7150/WinAPRS 2.5.1
-EARL_CLOVIS -251-<630>
Did you get a letter from Nigeria offering a "deal"?  See
http://home.rica.net/alphae/419coal/ and
http://www.crimes-of-persuasion.com/Crimes/Business/nigerian.htm


---
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```

274. [aprssig] Re: What's with EMERGENCY MESSAGES???

From: Bob Bruninga <bruninga@usna.edu>
Date: Sun, 9 Jun 2002 13:06:48 -0400 (EDT)
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: TAPR APRS Special Interest Group <aprssig@lists.tapr.org>
Message-ID: <LYR842-84087-2002.06.09-12.43.15--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

```
> > distress messages via radio.  No the fact news of the exercise was made
> > public before the event doesn't excuse the poor operating procedure....
>
> posted?  From the PACKET I POSTED, without the aid of a computer, can you
> tell me exactly what type of emergency, And, keep in mind the vast majority
> of amateur radio operators knew nothing of this test.
>
> WA2ZXS>APRS,TCPIP,W1TYL*:@080907z4401.93N>07545.11W/311/369/Mic-E/M7/EMERGEN
> CY!>":w}
>
> in 3 seconds or less, read and tell me what kind of emergency this is?

There are many erroneous assumptinos that are being made here.  Lets
address them before anyone starts casting stones:

1) The Sender announced on all reasonable channels the presence of a test.
2) The Sender included the words TEST-test in EVERY packet
3) The Sender has taken reasonable measures to alert everyone and to
insure that his message is not missinterpreted.
4) What we DID learn from this test, is that there are lots of poor APRS
implementaions, decoding, and display issues in user software.  Here is
what is wrong, and it is NOT THE FAULT OF THE SENDER:
```

1) The above packet is NOT the original packet. It is a REFORMATTED decoding of the packet. Whatever software did it, did NOT do it properly since it dropped off the "TEST-text" STATUS text what was included in the original packet.

2) OR, maybe the software that did the REFORMATTING puts the STATUS in a separate STATUS location. Such software then should always display both STATUS and POSITION data at the same time...

3) OR, maybe the software that did do the REFORMATTTING did properly put the "TEST-test" text in the right place, but the receiving operator did not properly access both pieces of data before drawing his erroneous conclusions..

This test shows what I have been fighting from the beginnning, that we must have consistent APRS ways of doing things in all users programs so that every user SEES THE SAME THING as the sender intended. As more and more people write APRS type programs, we are seeing less and less commonality...

Here is the guiding principles in this case:

1) ALL stations on APRS have two fundamental items of information, a POSITION and a STATUS. Users, and user software must make users be aware of this.

2) Mic-E packets combine both the POSITON and STATUS informatino into the same single packet for brevity...

3) We have had a terrible time for the last few years with most authors handling the conversion of Mic-E packets differently. The result is a mess. It was initially required beacuse some software would not pass the Mic-E format through the Internet properly. Be assured that everyone involved is working hard at CHANGING the APRS-Intenret system so that it passes through all MIC-E packets unmodified from their original format so that this problem of incompatible mic-E conversions will go away.

But still it is incumbent on every author to properly pull out BOTH the position AND the STATUS from a Mic-E packet and present it unambigously to the user...

That is the problem that this test brought to light.
Thank goodness for the test!

de Wb4APR, Bob

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275. [aprssig] RELAY in New Mexico

From: Earl Needham <needhame@yucca.net>
Date: Sun, 09 Jun 2002 11:09:20 -0600
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-84089-2002.06.09-12.50.06--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

At 12:39 PM 6/9/2002 -0400, Bob Bruninga wrote:
>This is why we really need to know where all the areas are that do not
>support RELAY other than Southern Calif and I think New Mexico...

Most of the digis in New Mexico respond to RELAY, there were a couple over around Lubbock that didn't, but I believe that has changed and they now respond to RELAY. (As all APRS stations should).

7 3
Earl

Earl Needham, KD5XB, Clovis, New Mexico DM84jk
KD5XB-2>APW251,PCSAT-1*:=3425.83N/10313.55W-PHG7150/WinAPRS 2.5.1
-EARL_CLOVIS -251-<630>
Did you get a letter from Nigeria offering a "deal"? See
http://home.rica.net/alphae/419coal/ and
http://www.crimes-of-persuasion.com/Crimes/Business/nigerian.htm

---
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276. [aprssig] Re: RELAY in New Mexico

From: Bob Bruninga <bruninga@usna.edu>
Date: Sun, 9 Jun 2002 13:36:13 -0400 (EDT)
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: TAPR APRS Special Interest Group <aprssig@lists.tapr.org>
Message-ID: <LYR842-84090-2002.06.09-13.12.44--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

On Sun, 9 Jun 2002, Earl Needham wrote:

> Most of the digis in New Mexico respond to RELAY, there were a
> couple over around Lubbock that didn't, but I believe that has changed and
> they now respond to RELAY. (As all APRS stations should).

Thanks! This is good news..
We need EVERYONE's participation in helping us identify non-standard areas. This is NOT an issue of trying to get them to change, this is ONLY an issue of getting everything properly identified so that the users can see what they have to do in any area to have a working tracker. Here are the things we need to do to help APRS travelers:

1) Digis that do not support RELAY, or WIDE to indicate it in their BTexts
2) All digis that operate with "UIDIGI ID ON" should have an overlay "I"

If these two are done, then it will be trivial for an automated system to draw a National map of different colors for the different settings.

But the only way we can assure this is for each and everyone of us to test our own local digi and make sure that it is set properly to indicate its features to users. If they are not, then we each LOCALLY need to get that fixed. Then the national map will properly show what areas support what and any user driving thorugh will be aware at a glance...

Just last week for the first time in a long while I displayed just local digis and was pleased to see that now we have very few non widen-N digis even in our old area... so things do change slowly. Now I need to test them to see if the are doing ID or NOID...

de WB4APR

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277. [aprssig] Re: Out of Memory in Station List

From: "hasan schiers" <schiers@netins.net>
Date: Sun, 9 Jun 2002 13:20:03 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-84097-2002.06.09-13.56.54--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Dick (et al)

Thanks so much for the reply. The key issue was FIFO. Since it isn't, I increased my station size to 16384 and I'll watch it. That is the only variable in my config file. The default packet buffer is 1000K, so I'm just going to watch it. It was obvious that 8192 was not big enough for the station count, but 16384 might be.

I must say that I'm impressed with the improved stability of this version (2.6.1). I ran it 3 days without crashing until I just unloaded it to change config file. That is an all time record for any recent version for me. For me, every version subsequent to 2.4.7 failed within a few mins or hours when connected to the Internet. This is the first WinAPRS version I have ever gotten to run for more than a few mins/hrs while connected to the Internet. It is very nice to see this kind of progress.

As I'm trying to help a few locals out, I'll continue to let it run and see what it can do long term. For my "serious" aprs work, I use APRS+SA. It runs MONTHS needing no attention and is a flawless Igate. Anyone who sees N0AN-6

...that is the WinAPRS long term reliability testing and is connected to the
internet ONLY. Plain N0AN is "old reliable" aprs+sa, current version 2.12.
The only thing that has taken APRS+SA off the air in MONTHS is a cat who has
found the master on/off button on the UPS connected to that computer. Of all
places to step, she likes that one.
hasan schiers, N0AN

schiers@netins.net
or use amsat.org or arrl.net remailer
----- Original Message -----
From: "Dick Stanich" <dick@kb7zva.com>
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Sent: Sunday, June 09, 2002 10:33 AM
Subject: [aprssig] Re: Out of Memory in Station List

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278. [aprssig] Re: Out of Memory in Station List

From: "Dick Stanich" <dick@kb7zva.com>
Date: Sun, 9 Jun 2002 13:39:2
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-84102-2002.06.09-14.15.27--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

> The station time out feature does not remove the station from the buffer
> either, from what I can tell. The only fix is to reset the buffer under the
> "clear stations" button in "edit" ?
>
> Bill, KC4OUA

If a station isn't heard during the 'time-out' period, it does remove that
station from your lists. Yes, clearing stations seems to reset the buffer,
wiping everything out. A large enough buffer at startup might be the best
way the fly, if you want to see every station on the feed.

Notice the 'Dim out' feature? It doesn't work. Not sure if it ever
worked... the docs don't even explain this feature. Maybe the Sprouls' will
help us with that.

Comment....(my 2 cents)

Depending on where you connect for data (the core), stations could exceed
10,000+ in WinAPRS without some regional filtering going on. AFilter does a
fantastic job by preventing your station from being over-run.
Distance/range filtering is very common for IGate setups. Regional servers
are becoming more popular as the APRS IS grows. Think regional, you can
still 'talk' anywhere :)

How popular are regional servers? Look at the list:

http://www.ahubswe.net/aprs_stat.asp

I think findu and other sources gives us a much better picture as to who is
out there, than waiting for WinAPRS to load up with less informative data.

Dick, KB7ZVA
APRSWest

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279. [aprssig] Re: Path Question

From: roger w rockwell <wb4trz@juno.com>
Date: Sun, 9 Jun 2002 13:29:19 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: aprssig@lists.tapr.org
Message-ID: <LYR842-84103-2002.06.09-14.17.09--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Thanks for the aprs lesson. I will use relay, wide2-2 every 60 sec. I
will be a "dumb" tracker and if I hear a lot of traffic on the spk I'll
just shut down for a few miles.

I did my 49cc motor scooter trip in 2000 from Jacksonville to Los Angeles
and had great coverage in New Mexico with relay,wide3-3.

I've been logged on the Internet of and on for a few days and it looks as
though I'm going to have a lot of "dead areas" on this trip.

Thanks again
Roger

____
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280. [aprssig] RELAY or WIDE?

From: Ken Cechura <kcechura@umr.edu>
Date: Sun, 09 Jun 2002 13:50:04 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-84104-2002.06.09-14.26.39--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

is it possible to make my digi respond to RELAY OR WIDE? if so, how? I
used to have my tracker set for wide3-3, and it worked fine through IL and
MO....now that i changed it (to relay, wide, i think, dont recall)... I
get lost south of St. Louis.

thanks
Ken

```
      ///////////////////////////////////////////////////////
     //        Kenneth R. Cechura, KC9UMR                //
    //            kcechura@umr.edu                     //
   //           President, W0EEE, 2002                //
  // University of Missouri-Rolla Amateur Radio Club  //
///////////////////////////////////////////////////////
```

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281. [aprssig] Insights Gained [was: What's with EMERGENCY MESSAGES???]

From: "Ev Tupis (W2EV)" <w2ev@arrl.net>
Date: Sun, 09 Jun 2002 15:00:18 -0400
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: TAPR APRS Special Interest Group <aprssig@lists.tapr.org>
Message-ID: <LYR842-84105-2002.06.09-14.36.54--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

> There are many erroneous assumptinos that are being made here. Lets
> address them before anyone starts casting stones:
>
> 1) The Sender announced on all reasonable channels the presence of a test.
> 2) The Sender included the words TEST-test in EVERY packet
> 3) The Sender has taken reasonable measures to alert everyone and to
> insure that his message is not missinterpreted.
> 4) What we DID learn from this test, is that there are lots of poor APRS
> implementaions, decoding, and display issues in user software. Here is
> what is wrong, and it is NOT THE FAULT OF THE SENDER:
>
> 1) The above packet is NOT the original packet. It is a REFORMATTED
> decoding of the packet.
<snip>
> But still it is incumbent on every author to properly pull out BOTH the
> position AND the STATUS from a Mic-E packet and present it unambigously to
> the user...

>
> That is the problem that this test brought to light.
> Thank goodness for the test!

Excellent post, Bob. APRS is well served by assuring its mission isn't lost during coding. It is an "emergency and tactical communication system".

In the absence of a formal document that spells out exactly how each protocol item should be presented to the user (some call it "feature personality"), it is imcumbent on each author to test their coding decisions against the APRS services' mission to assure they aren't compromizing it in some way.

We are dealing with exactly the same issues in the BEACONet community right now (even though most users don't know it yet). I'm working on a "Compatibility Index" against which developers will compare their product to know just how close their product comes to meeting the stated needs of the BEACONet service. I can envision a day when a product can boast a label of 2002/A+, meaning it fully supports every feature that was identified as necessary in 2002. Of course, there may be additions in 2003...whereby their label may drop to 2003/A or 2003/A- or 2003/B+.

Actually, the above oversimplifies the model that I'm working on, but you can catch the drift...and the power of such a system: users can make informed decisions as to what they're going to use, as a prelude to using it. Authors will be encouraged to 'stay current', too. I'd be real wary of subscribing to a product that shows a label of 1999/B+, when I know that there are others with 2002/A+. :o)

Of course, the BEACONet service requires only a small sliver of features of what the APRS service requires, so the implementation of such a system is orders of magnitude easier. This was intended simply to support Bob's statement and to offer some insights into another system that is under consideration right now.

Regards,
Ev, W2EV
--
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http://go.to/BEACONet

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---

282. [aprssig] Re: What's with EMERGENCY MESSAGES???

From: "Rich Garcia" <k4gps@bellsouth.net>
Date: Sun, 9 Jun 2002 15:26:07 -0400
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-84106-2002.06.09-15.02.06--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

No it does not have anything to do with APRS but since you brought it up I thought I would explain some common misconceptions on the way it works.

The FCC has requested a progressive expansion of the 911 system and GPS was one of the options, IF that were to be used a mapping system ploting the coordinates would be the only viable solution since raw coordinates does not help a dispatcher very much that must contact a emergency unit, a actual address does.

There are several options and the FCC is not telling anyone that they must use one, the bottom line is they want an address to a unknown degree in the future when it becomes viable. I believe a date was set long ago but that was not to be, it was way too optimistic of a deadline and they know that.

-----Original Message-----
From: Ronald Reams [mailto:wa4mjf@worldnet.att.net]
Sent: Sunday, June 09, 2002 11:39 AM
To: Rich Garcia; TAPR APRS Special Interest Group
Subject: Re: [aprssig] Re: What's with EMERGENCY MESSAGES???

As I recall, the cellphone sustem has nothin' to with APRS.

It would transmit the coordiantes of the cell phone to the 911 center.

As I said earlier, I'm not a cell phone user. However, readin' about it, I think the FCC was thinkin' about a a kinda phone with built in GPS that would give the 911 center the location of the caller.

73 de Ronnie

----- Original Message -----
From: "Rich Garcia" <k4gps@bellsouth.net>
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Sent: Sunday, June 09, 2002 11:16
Subject: [aprssig] Re: What's with EMERGENCY MESSAGES???

Let me butt in here on this one. Having been the first person, read person, not even carrier to have enabled Enhanced 911 in Florida. I work for a Cellular carrier and due to my coverage area of somewhat low population but yet large enough to have E911 (Enhanced 911) I got picked to do the first tests and go live.

Cell phones, PCS phones, any wireless phone does NOT give a users exact location, maybe in the future but that is still in the planning phase. Also you may have seen claims that some phones can do this and it is true, there have been designs but I do not believe any are on the market since the infrastructure does not exist.

There is 911 (just routes you to a PSAP in the area)
911 with a form of ID (tells them what cell site you are off and what antenna sector)
Enhanced 911 which gives you the call back number (caller ID, number no name and SOMETIMES what sector)

Future... Caller ID and Location.

Also your milage may vary depending on the PSAP, sometimes the coordinator does not even care what sector you are on so
that will not be included the display. Since we are working on radio here the routing may or may not be correct, that is based on the county 911 coordinator and where the cell site is. The antenna direction may aim towards a town or unincorporated zone but you may be in another so it is important to give your EXACT location since you may have gone to another agency that does not serve the area. I do about 1K miles a week working so I use 911 all the time, this is important and it is important to stay on the line. I have had cases where the answering party has asked me to call another number, has not been able to forward my call to another agency, or has forwarded me to the wrong number, they stay on the line but you got to stay on there with them!

Under extreme circumstances there can be a trace put on the phone where we can monitor the system and see what cell sites the call is handing off from and from which antenna face. But so much is needed that it is rare, 1st they need to know what carrier to call, 2nd we need to know the phone number of the customer, 3rd we need to get someone in the Engineering Dept to run the unix script, 4th the caller must stay on the line and be moving so we can monitor the handoff's, 5th it would need to be done during the day when someone is in that department or call someone in which takes time. This just gives us direction of travel and general area.

Future plans are for triangulation based on the cell sites (DF'ing)that are hearing your call for your location and also phones with built in GPS receivers for a "aprs" type of positioning but who knows when. And remember, there are still many places which do not have any information whatsoever on your call, all they have is a phone no display, one nearby county is still in the stone age.

So please don't have a false sense of security, this is the inside scoop, no one uses any "presudo APRS" features for wireless phones at this time.

Rich K4GPS
k4gps@bellsouth.net

-----Original Message-----
From: bounce-aprssig-19959@lists.tapr.org
[mailto:bounce-aprssig-19959@lists.tapr.org]On Behalf Of Ronald Reams
Sent: Sunday, June 09, 2002 10:29 AM
To: TAPR APRS Special Interest Group
Subject: [aprssig] Re: What's with EMERGENCY MESSAGES???

SNIP>>
I'm not a cell phone user, but I do know that the FCC required
at a date that has past that cell phones give their location to
911 centers similar to land line phones.
NIP>>

73 de Ronnie

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---

283. [aprssig] Re: RELAY or WIDE?

From: Robbie Robertson <mwrobertson@attbi.com>
Date: Sun, 09 Jun 2002 14:59:07 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-84112-2002.06.09-15.35.28--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Depends on what TNC you are using Ken.. Also, as stated, WIDE3-3 is 3
hops against relay, wide, which is two hops. That could possibly hender
your getting onto the APRS IS if that was your main goal. IMHO, RELAY
should be the first station in the mobile's UNPROTO path and depending
on the locale, all stations/digipeaters should honor RELAY.

Robbie, wa9inf

Ken Cechura wrote:
>
> is it possible to make my digi respond to RELAY OR WIDE? if so, how? I
> used to have my tracker set for wide3-3, and it worked fine through IL and
> MO....now that i changed it (to relay, wide, i think, dont recall)... I
> get lost south of St. Louis.
>
> thanks
> Ken
>
```
>       //////////////////////////////////////////////////////
>      //        Kenneth R. Cechura, KC9UMR                //
>     //             kcechura@umr.edu                     //
>    //           President, W0EEE, 2002                 //
>   // University of Missouri-Rolla Amateur Radio Club  //
> //////////////////////////////////////////////////////
```
>
> ---
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---

284. [aprssig] Re: AFilter Program Question

From: "Terry L. Brooks" <tbrooks@sigecom.net>
Date: Sun, 09 Jun 2002 14:59:14 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: billdiaz@megsinet.net, James Smith K9APR <k9apr@kiva.net>
Message-ID: <LYR842-84113-2002.06.09-15.36.08--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

I'm running IGate AA9MM, located in Southwest Indiana. I use AFilter
2.69 and WinAprs 2.6.1, which was released after this years Dayton
HamVention.

I'm having a problem with AFilter, and wanted to see if you have any
suggestions. This software is on a dedicated AMD 1.3 Gig Processor,
using an ABit RAID Motherboard. The operating system is Win 98 SE, with
all the latest service packs from Microsoft. There is 512 meg. of
PC-2100 RAM running on this machine. The IGate is running on a cable
modem, with a Linksys 4 port router.

Other than the operating system, AFilter and WinAprs are the only
applications running on this machine. In the past four days I've been
having a problem keeping AFilter connected and running. Below is the
error message I get when this problem takes place. This can be anywhere
from 6 times a day to many dozen.

```
AFILTER caused an invalid page fault in
module AFILTER.EXE at 0177:004060c5.
Registers:
EAX=00407db0 CS=0177 EIP=004060c5 EFLGS=00010283
EBX=00407db0 SS=017f ESP=0069fe60 EBP=006a03e8
ECX=00000000 DS=017f ESI=006a03e4 FS=2be7
EDX=006a03e4 ES=017f EDI=006a04e8 GS=0000
Bytes at CS:EIP:
68 00 04 00 00 8d 44 24 04 50 8b 43 04 50 8b 03
Stack dump:
```

Any suggestions will be appreciated.

AA9MM
Terry Brooks
Evansville, IN.

aa9mm@arrl.net
[Attachment: tbrooks.vcf; text/x-vcard; 139 bytes]

285. [aprssig] Re: RELAY or WIDE?

From: Bob Bruninga <bruninga@usna.edu>
Date: Sun, 9 Jun 2002 16:52:16 -0400 (EDT)
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: TAPR APRS Special Interest Group <aprssig@lists.tapr.org>
Message-ID: <LYR842-84115-2002.06.09-16.28.50--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

On Sun, 9 Jun 2002, Ken Cechura wrote:

> is it possible to make my digi respond to RELAY OR WIDE? if so, how? I
> used to have my tracker set for wide3-3, and it worked fine through IL and
> MO....now that i changed it (to relay, wide, i think, dont recall)... I
> get lost south of St. Louis.

If its a KPC-3, make the UIDIGI list contain RELAY, WIDE, TRACE and your
states two letter abbreviation..

Bob

---
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286. [aprssig] Where is PCSAT ?

From: "Andrew Rich" <andrew.rich@bigpond.com>
Date: Mon, 10 Jun 2002 08:08:53 +1000
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-84118-2002.06.09-17.45.12--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Just went over the top. nothing heard at all

Full sun

Andy

---
Andrew Rich
Callsign: VK4TEC
andrew.rich@bigpond.com
vk4tec@bigpond.com
www.users.bigpond.com/andrew.rich/vk4tec.htm

---
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287. [aprssig] Re: RELAY or WIDE?

```
From: frastephen@comcast.net
Date: Sun, 09 Jun 2002 18:23:34 -0400
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-84119-2002.06.09-18.00.04--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain
```

```
From: "Robbie Robertson" <mwrobertson@attbi.com>

> Depends on what TNC you are using Ken.. Also, as stated, WIDE3-3 is 3
> hops against relay, wide, which is two hops. That could possibly hender
> your getting onto the APRS IS if that was your main goal. IMHO, RELAY
> should be the first station in the mobile's UNPROTO path and depending
> on the locale, all stations/digipeaters should honor RELAY.

Unfortunately, not all WIDE's also recognize RELAY ... try to figure that
one out ...

Path selection -- the gnostic cult of APRS!

Peace and 73,
Stephen
W3SMK






---
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```

288. [aprssig] Re: What's with EMERGENCY MESSAGES???

```
From: Allen Wolfe <awolfe@prairieinet.net>
Date: Sun, 09 Jun 2002 18:24:26 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-84128-2002.06.09-19.00.46--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain
```

```
Saturday, while driving around in K9SI-14, I noticed an emergency alert on
the PC in the truck. Then I saw a local station turn red and he had an "A"
in the front of his call in the "P" list. Didn't think much about it and
figured he was just playing with something and was sending out an alert by
mistake. Then when I got home I checked the home computer and saw the same
thing except now K9SI-14 was also red on the screen and the computer was
beeping away. There was also the "A" in front of K9SI-14 in the "P" list.
(All the stations involved here are using DOS APRSMAX.)
        Why was my mobile sending out this emergency message? I didn't do anything
to it that I know of to instigate it. Is the PEAPRS test infectious? Other
than turn off the transmitter, how can I make it go away? When I restarted
the mobile computer it sent out another emergency message that showed up
again on the base station computer. Is there something in the TNC that
needs to be changed? Everything does seem to be behaving normally today,
however.

73,
Al K9SI


---
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```

289. [aprssig] Re: RELAY or WIDE?

```
From: Ken Cechura <kcechura@umr.edu>
Date: Sun, 09 Jun 2002 18:37:05 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: TAPR APRS Special Interest Group <aprssig@lists.tapr.org>
Message-ID: <LYR842-84129-2002.06.09-19.19.11--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain
```

```
how aBOUT  a KAM plus?  (relay, wide, trac e, MO)?

At 04:52 PM 6/9/2002 -0400, Bob Bruninga wrote:
>On Sun, 9 Jun 2002, Ken Cechura wrote:
>
```

> > is it possible to make my digi respond to RELAY OR WIDE? if so, how? I
> > used to have my tracker set for wide3-3, and it worked fine through IL and
> > MO....now that i changed it (to relay, wide, i think, dont recall)... I
> > get lost south of St. Louis.
>
>If its a KPC-3, make the UIDIGI list contain RELAY, WIDE, TRACE and your
>states two letter abbreviation..
>
>Bob

```
      //////////////////////////////////////////////////////
     //        Kenneth R. Cechura, KC9UMR                //
    //             kcechura@umr.edu                     //
   //           President, W0EEE, 2002                 //
  // University of Missouri-Rolla Amateur Radio Club  //
//////////////////////////////////////////////////////
```

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290. [aprssig] Visiting the UK

From: "Bud Talbot" <kb9wvg@arrl.net>
Date: Sun, 9 Jun 2002 19:48:35
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-84130-2002.06.09-20.25.00--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Hello all-

I will be visiting the UK next month and would love to take my D7 and gps
along. Since this is new to me, I have a couple of questions:
1.) What is the UK APRS freq?
2.) How exactly do I enter mycall? (M/KB9WVG-7?)
3.) What about paths? Relay, wide n-n?
4.) Can I find digi locations? I will be traveling in London, Oxford,
Portsmouth areas.

Thanks in advance.

73
Bud Talbot

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291. [aprssig] SatHUb

From: "Andrew Rich" <andrew.rich@bigpond.com>
Date: Mon, 10 Jun 2002 11:20:56 +1000
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-84137-2002.06.09-20.57.17--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

What are the address's of gates just handling no-44 and iss ?

Andrew Rich
Callsign: VK4TEC
andrew.rich@bigpond.com
vk4tec@bigpond.com
www.users.bigpond.com/andrew.rich/vk4tec.htm

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292. [aprssig] Re: Path Question

From: roger w rockwell <wb4trz@juno.com>
Date: Sun, 9 Jun 2002 20:53:05 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>

Message-ID: <LYR842-84138-2002.06.09-21.40.13--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Rich, and other thanks for the additional info.

I put a picture of my route at http://www.pbase.com/rockytop then click thumbnail to enlarge.

Most of the route is non Interstate.

I sized it down quite a bit. I have cable and it loads very fast.
Someone give me a report if its still to slow to load.

Thanks
Roger

____
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293. [aprssig] Re: What's with EMERGENCY MESSAGES???

From: "Doug Younker" <dougy@ruraltel.net>
Date: Sun, 9 Jun 2002 15:26:17 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-84145-2002.06.09-23.13.04--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

In my first post, I was commenting in general terms on the topic and apparently my poor composition skills, left an accusatory tone towards the sender of the test packet and that wasn't my intent, sorry. Bob, Wb4APR stated in part;

:
: 1) The above packet is NOT the original packet. It is a REFORMATTED
: decoding of the packet. Whatever software did it, did NOT do it properly
: since it dropped off the "TEST-text" STATUS text what was included in the
: original packet.
:
: 2) OR, maybe the software that did the REFORMATTING puts the STATUS in a
: separate STATUS location. Such software then should always display both
: STATUS and POSITION data at the same time...
:
: 3) OR, maybe the software that did do the REFORMATTTING did properly put
: the "TEST-test" text in the right place, but the receiving operator did
: not properly access both pieces of data before drawing his erroneous
: conclusions..
:
: This test shows what I have been fighting from the beginnning, that we
: must have consistent APRS ways of doing things in all users programs so
: that every user SEES THE SAME THING as the sender intended. As more and
: more people write APRS type programs, we are seeing less and less
: commonality...
:
: Here is the guiding principles in this case:
:
: 1) ALL stations on APRS have two fundamental items of information, a
: POSITION and a STATUS. Users, and user software must make users be aware
: of this.
:
: 2) Mic-E packets combine both the POSITON and STATUS informatino into the
: same single packet for brevity...
:
: 3) We have had a terrible time for the last few years with most authors
: handling the conversion of Mic-E packets differently. The result is a
: mess. It was initially required beacuse some software would not pass the
: Mic-E format through the Internet properly. Be assured that everyone
: involved is working hard at CHANGING the APRS-Intenret system so that it
: passes through all MIC-E packets unmodified from their original format so
: that this problem of incompatible mic-E conversions will go away.
:
: But still it is incumbent on every author to properly pull out BOTH the
: position AND the STATUS from a Mic-E packet and present it unambigously to

: the user...
:
: That is the problem that this test brought to light.
: Thank goodness for the test!
:
: de Wb4APR, Bob

This begs the question, what APRS applications correctly decode the test message? I'm unaware if the test was seen is Western Kansas and if it was the fact, I don't run my station 24/7, means my installation of uiview32 remains untested.

I believe the point Jim was making in his original post is that, the word *emergency* can be read by anyone monitoring the frequency and with out the word test, the monitor wouldn't know how to respond OR even if response is neccessary. It was mention that the word emergency isn't a internationally recognized distress, so what? I really doubt an English speaking person would ignore the word emergency it where heard via telephony or received CW or any other means. While it may be true there may be flaws in how some applications decode packets however, IMO this doesn't absolve any sender of any packet text from putting some fore-thought into a message that can be read persons monitoring with something other than a correctly working APRS application--73
Doug, N0LKK
dougy@ruraltel.net

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294. [aprssig] Survey Time (kenwood owners)

From: "Wes Johnston" <wes@johnston.net>
Date: Mon, 10 Jun 2002 00:21:19 -0400
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-84153-2002.06.09-23.57.53--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

I just got in from a three day weekend in Myrtle Beach and have been wanting to ask the SIG this question. In case you wonder, no I am not related to Rube Goldberg.

Who would like to add Smart Beaconing to their kenwood radios for $40 ? how about $30 and some junque box parts?

Those of you who don't know what Smart Beaconing is....
http://hh2.hamhud.net/smartbeacon.html

Those of you who do.... here's how you do it.....

1. Build a tiny track 2.
2. Hook the Tiny Track 2 to your kenwood's GPS receiver via a Y cable
3. Set your kenwood beacon rate to 30minutes.
4. Get a basic stamp or 16f84.
5. Program the 16f84 or stamp to watch the tiny trak 2's PTT line. When it goes low, send BE 0<cr> pause for 500ms, send BE 1<cr> to your kenwood's serial port at 9600 baud.

Basically, the tiny track 2 listens passively to GPS data. When you turn a corner it may or may not decide it's time to beacon. When it does, it will pull it's PTT pin low. Mind you, the TT2 is not connected to a radio at all. It is simply there as a supervisory controller. When it pulls it's PTT pin low, another stamp or PIC processor must then command the Kenwood to TX. since kenwoods are always listening for mode commands on thier serial ports, you can toggle beacon mode off and back on and the kenwood will TX right away.

Wes

*No I have not written the code for a PIC yet.... haven't had the time yet.

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295. [aprssig] Re: Little Experimental Program

From: "The Hildebrands" <b.hildebrand@verizon.net>
Date: Sun, 9 Jun 2002 22:28:58 -0700
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-84160-2002.06.10-01.08.17--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Tweak update: You can now enter multiple callsigns in the callsign slot, and Map URLs will accept multiple callsigns. Also, Range Rings can be turned on, they are now off by default. Examples of APRS type map requests:
http://4.63.238.131:8800/Map.sa9?Range=50:Callsign=KH2Z
http://4.63.238.131:8800/Map.sa9?Range=50:Callsign=KH2Z:Rings=1
http://4.63.238.131:8800/Map.sa9?Range=50:Callsign=KH2Z,WB6ZSU,N6EX
http://4.63.238.131:8800/Map.sa9?Range=50:Callsign=KH2Z,WB6ZSU,N6EX:Rings=1

Brent, KH2Z

[]

----- Original Message -----
From: "The Hildebrands" <b.hildebrand@verizon.net>
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Sent: Saturday, June 08, 2002 8:30 AM
Subject: [aprssig] Little Experimental Program

I have up running a little web server that listens to the APRS/IS data stream, parses "some" of the data, and then can server out data based on queries. No, this is not a FindU replacement. The program is running at http://4.63.238.131:8800. You can enter a callsign or part of a callsign, and the latest data you request will be returned. Note, packets are aged and displayed like this: [D H M S] where D is Days, H is Hours, M is Minutes and S is seconds. Example: [0 0 8 20] would mean that packet was heard, 8 minutes and 20 seconds ago.

You can also get Street Atlas USA Maps of APRS positions.
Example: http://4.63.238.131:8800/Map.sa9?Range=50:Callsign=KH2Z
The Range figure is in miles, and Callsign is that of an APRS station. Maps can be based on Latitude and Longitude, or Grid Square.
http://4.63.238.131:8800/Map.sa9?Range=50:Latitude=34.04:Longitude=-117.24
http://4.63.238.131:8800/Map.sa9?Range=50:Grid=DM14JA

You can also create SA Maps with drawing objects of your choosing. Click the URL Docs button for some of these options. And example:
SAMap.sa9?*Circle,LINE,FILL,LINE_COLOR,LINE_SIZE,FILL_COLOR,FILL_STYLE,LATITUDE,LONGITUDE,RANGE
http://4.63.238.131:8800/SAMap.sa9?*Circle,1,1,0,1,2,2,34.04,-117.24,15

You can combine multiple drawing objects in one map, just separate each object by a colon. Example:
http://4.63.238.131:8800/SAMap.sa9?*Circle,1,1,0,1,2,2,34.04,-117.24,15:*Circle,1,0,0,1,2,2,35,-118,20

If you have a version of SA other than SA9, substitute that version in place of SA9 in the above examples. SA3-SA9 should work. SA3 does not support Circles, Lines or Polygons.

Brent KH2Z

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296. [aprssig] Satellite passes

From: "Andrew Rich" <andrew.rich@bigpond.com>
Date: Mon, 10 Jun 2002 21:48:31 +1000
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-84174-2002.06.10-07.25.10--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

One thing I have noticed, with keps up to date, and time synced to 1 second of an atomic, Satellite pass peaks are always a few minutes behind.

Are keps just a well calculated guess at sat position ?

Curious

Andrew Rich
Callsign: VK4TEC
andrew.rich@bigpond.com
vk4tec@bigpond.com
www.users.bigpond.com/andrew.rich/vk4tec.htm

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297. [aprssig] Re: RELAY or WIDE?

From: Ken Brown <W2KB@compuserve.com>
Date: Mon, 10 Jun 2002 10:13:10 -0400
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-84205-2002.06.10-09.50.26--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

>> Unfortunately, not all WIDE's also recognize RELAY ... try to figure
that
one out ...

Path selection -- the gnostic cult of APRS! <<

Stephen,

Given Bob the Father (of APRS)'s postings concerning the need for response
to RELAY to be 'universal,' the need to bring the non-RELAYing gnostic
heretics back into the fold appears clear.   ;-)

73,

---Ken   W2KB@ARRL.net   VC-NJ   KofC

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298. [aprssig] Re: Where is PCSAT ?

From: Bob Bruninga <bruninga@usna.edu>
Date: Mon, 10 Jun 2002 10:26:02 -0400 (EDT)
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: TAPR APRS Special Interest Group <aprssig@lists.tapr.org>
Message-ID: <LYR842-84206-2002.06.10-10.02.36--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

DOnno, PCsat is in full sun and should be in great shape.. She sounded
fine here on the 0858 EDT pass this morning (1258Z)
bob

On Mon, 10 Jun 2002, Andrew Rich wrote:

> Just went over the top. nothing heard at all
>
> Full sun
>
> Andy
>
> ---
> Andrew Rich
> Callsign: VK4TEC
> andrew.rich@bigpond.com
> vk4tec@bigpond.com
> www.users.bigpond.com/andrew.rich/vk4tec.htm
>
> ---
> You are currently subscribed to aprssig as: bruninga@usna.edu
> To unsubscribe send a blank email to leave-aprssig-842K@lists.tapr.org
> Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org
>

de WB4APR@amsat.org, Bob

```
PCsat WEB  page     http://www.ew.usna.edu/~bruninga/pcsat.html
ISS-APRS FAQ:       http://www.ew.usna.edu/~bruninga/iss-faq.html
CUBESAT Designs     http://www.ew.usna.edu/~bruninga/cubesat.html
APRS LIVE pages     http://www.ew.usna.edu/~bruninga/aprs.html
APRS SATELLITES     http://www.ew.usna.edu/~bruninga/astars.html
MIM/Mic-E/Mic-Lite  http://www.toad.net/~wclement/bruninga/mic-lite.html
```

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299. [aprssig] RE: [OZAPRS] Where is PCSAT ?

From: Bob Bruninga <bruninga@usna.edu>
Date: Mon, 10 Jun 2002 12:30:09 -0400 (EDT)
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: TAPR APRS Special Interest Group <aprssig@lists.tapr.org>,
    Andrew Rich <andrew.rich@bigpond.com>,
    Des Sheperd <d.shephard@pacific.net.au>
Message-ID: <LYR842-84224-2002.06.10-12.06.54--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

On Mon, 10 Jun 2002, Brian Beamish VK4BBS wrote:

> The mobile was set-up to work PCSAT using ARISS as recommend by Bob every
> pass monitored was heard loud and clear as PCSAT passed over. The pass
> monitored on Saturday accepted my beacon and digipeated it as des VK4DMI's
> log indicates. But other passes even despite their strength all ignored my
> beacons even though received stronger the Saturday pass this being so I can
> only imagine that perhaps PCSAT had a system crash and needed resetting to
> accept my ARISS beacon.

Yes, if you have checked the PCsat web page you would have noticed that PCsat has been in power crisis mode from May 10 to June 8. Inorder for the ARISS alias to work, PCsat must be full loaded with all parametters. This is imporssible during low power ops as all digiepating is turned off then as well to save power... And each reset causes a loss of all parameters.

> No criticism intended...

No problem. But its always a good idea to check on the status of PCsat on its WEB page before headed off on a trip to aquaint yourself with the current operational situatino. PCsat will be in full sun through Field Day (23 June) so enjoy. We will try to keep it always loaded...

Also, only use ARISS if you want to switch back and forth easily between ISS and PCsat. If on the other hand, you want somehting that does NOT depend on us keeping ARISS loaded as a callsign, then use W3ADO-1 which will ALWAYS work with PCsat after a reset...

PCsat should work with W3ADO-1 all the time in the sun... Unless we have actively commanded the digipeater off...

de WB4APR, Bob

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Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

---

300. [aprssig] Tripmate mod

From: "W5JSR" <w5jsr@arrl.net>
Date: Mon, 10 Jun 2002 12:13:12 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-84227-2002.06.10-12.49.43--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Where can I find the Tripmate modification info?

Thanks, Scott

```
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```

301. [aprssig] Re: Tripmate mod

From: Bob Nielsen <nielsen@oz.net>
Date: Mon, 10 Jun 2002 10:46:33 -0700
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: TAPR APRS Special Interest Group <aprssig@lists.tapr.org>
Message-ID: <LYR842-84229-2002.06.10-13.22.59--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

```
http://wes.johnston.net/aprs/tripmate.htm

On Mon, Jun 10, 2002 at 12:13:12PM -0500, W5JSR wrote:
> Where can I find the Tripmate modification info?
>
> Thanks, Scott

---
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Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org
```

302. [aprssig] Re: Tripmate mod

From: Mark Cheavens <mcheavens@usa.net>
Date: Mon, 10 Jun 2002 12:56:22 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-84230-2002.06.10-13.32.42--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

```
http://wes.johnston.net/aprs/tripmate.htm

Mark Cheavens
KC5EVE
At 12:13 PM 6/10/2002 -0500, W5JSR wrote:
>Where can I find the Tripmate modification info?
>
>Thanks, Scott
>
>
>---
>You are currently subscribed to aprssig as: mcheavens@usa.net
>To unsubscribe send a blank email to leave-aprssig-842K@lists.tapr.org
>Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org


---
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Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org
```

303. [aprssig] Re: Tripmate mod

From: "Mike Yetsko" <myetsko@insydesw.com>
Date: Mon, 10 Jun 2002 14:33:45 -0400
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-84233-2002.06.10-14.11.31--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

```
> Where can I find the Tripmate modification info?
>
> Thanks, Scott

As others have responded, you can see the mods.

However, be aware you can do everything needed without opening
up the TripMate and breaking any seals, and keeping the unit stock.

Why bother on an out of warrantee unit?  Resale for one.  Compatibility
for another.

Compatibility?  Sure!  Let's say you want to use it for an 'event'.  A
parade.  But you need 2 or 3 units.  You think anyone in their right
mind would loan you a unit to take apart and mod?  Or, consider if
you had just your unit, but for one reason or another, it goes out of
service.  You can take a borrowed unit, plug it in and use it.  Not
so if you depend on 'hardware modified' units.

Mike
```

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304. [aprssig] Re: Tripmate mod

From: "Jason Rausch" <ke4nyv@msn.com>
Date: Mon, 10 Jun 2002 14:9:26
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-84235-2002.06.10-14.45.52--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Just modify it and be done with it. Nothing to mess with afterwards. Self-starts and makes a great GPS. I use mine for my main tracker. I had the mod info on my page as well at http://www.ke4nyv.com.

Jason KE4NYV
www.ke4nyv.com

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Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

305. [aprssig] Re: RELAY or WIDE?

From: "Jason Rausch" <ke4nyv@msn.com>
Date: Mon, 10 Jun 2002 14:51:39
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-84237-2002.06.10-15.28.08--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

I am in Virginia and I have found so far that the best "generic" path has been RELAY, WIDE or RELAY,WIDE,WIDE and this also served well well when I wandered in to Tennessee or N. Carolina. I have yet to see a digi close by that supports TRACE or WIDEn-n. I know that when I had my digi up (and is going back up) I ran RELAY and WIDE and it would recognize both a RELAY and a WIDE in a stations path. I managed to cover most of the lost packets in the network that were not specifically addressed to a specific digi.

I know there was also a campain for the VA digis to start supporting the VA alias, but I have only seen a few that do. Can someone enlighten me and tell me if the newer Kam firmware supports more than 2 alias?

73's
Jason KE4NYV
www.ke4nyv.com

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306. [aprssig] Messages

From: Robbie Robertson <mwrobertson@attbi.com>
Date: Mon, 10 Jun 2002 14:52:01 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-84238-2002.06.10-15.28.30--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

I used to be able to send a message from wa9inf-3, (TCP/IP only WAPRS 2.5.1), to wa9inf, (RF only WAPRS 2.6.1), for conducting occasional tests of different computers. I can't seem to make that work anymore?

Also, I've noticed that UNVERIFIED and VERIFIED users no longer get a listing in the Message List when connecting to any of the servers? I think I did read where they were attempting to cut back on bandwidth by ceasing that listing?

I am almost believing I am not registered any longer? :-)

I am really learning to confuse myself more and more!

Robbie, wa9inf

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---

307. [aprssig] Re: Tripmate mod

From: "Germino" <mgermino@inreach.com>
Date: Mon, 10 Jun 2002 12:58:30 -0700
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-84239-2002.06.10-15.40.07--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

I have a Tripmate I am going to mod when I get the time. I wasn't going to use a power switch, I was just going to power it up by plugging it in. Any thoughts out there on this?

I am also thinking about putting the TinyTrak inside. I've seen a few that have done this on their sites.

Mike
73, AD6AA

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308. [aprssig] Re: Tripmate mod

From: Bill Owens <owens@nysernet.org>
Date: Mon, 10 Jun 2002 16:22:40 -0400
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-84240-2002.06.10-15.59.15--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

At 12:58 -0700 6/10/02, Germino wrote:
>I am also thinking about putting the TinyTrak inside. I've seen a few that
>have done this on their sites.
>
>Mike
>73, AD6AA

I've done that, and ended up with a very compact and convenient package (with a bunch of wires hanging out of it, but that's unavoidable). However, I also have RFI problems that I've not yet managed to stop, despite liberal use of .01 caps, ferrite and metal tape to attempt to shield the plastic backshell of the Tripmate. I'm nearly at the point of redoing the entire unit with the TinyTrak in a separate, RF-tight enclosure. . .

Bill N2RKL

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309. [aprssig] APRSERV.TXT Question

From: "Dave Sloan" <desloan@earthlink.net>
Date: Mon, 10 Jun 2002 19:32:34 -0600
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-84257-2002.06.10-21.09.19--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

This doesn't look right to me. Is it?

```
 aprsserv.txt    Uà 8"UÀB  DÿÏÝÄ
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û»TEXTCWIE          @  :°□¢|³cH¡                         □□^÷
www.aprs.net    10151   Southern Florida
#       NOTE: This is a comment

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ðÿÿ
```

Tnx & 73,
Dave N0EOP

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Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

310. [aprssig] Re: Tripmate mod

From: "Ramon F. Kolb" <ramon@ieee.org>
Date: Mon, 10 Jun 2002 21:44:04 -0400
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-84259-2002.06.10-21.20.46--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

I put the TT2 inside two Tripmates. Works great. I did the auto-start mod, I'm also powering the Tripmate using the TT2's regulated +5 volts. When you do so, make sure you don't install the 78L05, but replace it with a "regular" 7805. You can cool that one by putting it under a screw on the aluminum plate that separates the GPS unit from the battery compartment.

In addition I installed an external antenna, a $30 model from Digikey.com. This will absolutely void the warrantee, but it allowed me to mount the TT2 and all your APRS setup invisibly under the fold-away rear seat of my VW Golf. A must when living in the city (unless you want some idi*t to smash your window and rob your gear). You can find the details at http://www.qsl.net/dk7xe/f_tripmate.html .

One of the CONs of powering the tripmate through the 7805 of the TT2 is, that the tripmate will perform better at +6 Volts (locks a lot quicker, or so I am told). However, please don't power your TT2 at anything over 5 Volts, since it will blow the PIC.

73s,

--Ramón

Ramón F. Kolb, W1/PA3EUG, Boston, MA, USA [FN42KI].
http://beaconet.webhop.org for BEACONet Info !
ICQ-77117744; MSNMGR-legalalien30@hotmail.com

-----Original Message-----
From: bounce-aprssig-24121@lists.tapr.org
[mailto:bounce-aprssig-24121@lists.tapr.org] On Behalf Of Germino
Sent: Monday, June 10, 2002 15:59
To: TAPR APRS Special Interest Group
Subject: [aprssig] Re: Tripmate mod

I have a Tripmate I am going to mod when I get the time. I wasn't going
to
use a power switch, I was just going to power it up by plugging it in.
Any
thoughts out there on this?

I am also thinking about putting the TinyTrak inside. I've seen a few
that
have done this on their sites.

Mike
73, AD6AA

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---

311. [aprssig] Amplified external GPS antennas

From: "n1iic" <n1iic@qsl.net>
Date: Mon, 10 Jun 2002 22:39:29 -0400
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-84287-2002.06.10-22.15.39--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

I found an amplified GPS antenna for $25 from gpsgeek.com for my Garmin 45
and I have been completely happy with it. it has a right anlge BNC to 16' of
RG-174. It is a patch design and is about two square inches by 1/2 inch
tall. It requires 5 volts for the preamp.

Jason n1iic

----- Original Message -----
From: "Ramon F. Kolb" <ramon@ieee.org>
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Sent: Monday, June 10, 2002 9:44 PM
Subject: [aprssig] Re: Tripmate mod

I put the TT2 inside two Tripmates. Works great. I did the auto-start
mod, I'm also powering the Tripmate using the TT2's regulated +5 volts.
When you do so, make sure you don't install the 78L05, but replace it
with a "regular" 7805. You can cool that one by putting it under a screw
on the aluminum plate that separates the GPS unit from the battery
compartment.

In addition I installed an external antenna, a $30 model from
Digikey.com. This will absolutely void the warrantee, but it allowed me
to mount the TT2 and all your APRS setup invisibly under the fold-away
rear seat of my VW Golf. A must when living in the city (unless you want
some idi*t to smash your window and rob your gear). You can find the
details at http://www.qsl.net/dk7xe/f_tripmate.html .

One of the CONs of powering the tripmate through the 7805 of the TT2 is,
that the tripmate will perform better at +6 Volts (locks a lot quicker,
or so I am told). However, please don't power your TT2 at anything over
5 Volts, since it will blow the PIC.

73s,

--Ramón

Ramón F. Kolb, W1/PA3EUG, Boston, MA, USA [FN42KI].
http://beaconet.webhop.org for BEACONet Info !
ICQ-77117744; MSNMGR-legalalien30@hotmail.com

-----Original Message-----
From: bounce-aprssig-24121@lists.tapr.org
[mailto:bounce-aprssig-24121@lists.tapr.org] On Behalf Of Germino
Sent: Monday, June 10, 2002 15:59
To: TAPR APRS Special Interest Group
Subject: [aprssig] Re: Tripmate mod

I have a Tripmate I am going to mod when I get the time. I wasn't going
to
use a power switch, I was just going to power it up by plugging it in.
Any
thoughts out there on this?

I am also thinking about putting the TinyTrak inside. I've seen a few
that
have done this on their sites.

Mike
73, AD6AA

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312. [aprssig] NMEA to USB

From: "Charles H. Rahe, II" <crahe@infi.net>
Date: Mon, 10 Jun 2002 23:30:45 -0400
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-84295-2002.06.10-23.07.09--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Here's a new product that should be of interest. I picked this up on a
news group for a navigation program I use.

http://www.shipmodul.com/en/index.html

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To unsubscribe send a blank email to leave-aprssig-842K@lists.tapr.org
Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

313. [aprssig] Re: NMEA to USB

From: David VanHorn <dvanhorn@cedar.net>
Date: Mon, 10 Jun 2002 22:43:04 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-84296-2002.06.10-23.35.21--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

At 11:30 PM 6/10/2002 -0400, Charles H. Rahe, II wrote:
>Here's a new product that should be of interest. I picked this up on a
>news group for a navigation program I use.
>
>http://www.shipmodul.com/en/index.html

Looks a lot like the multiple port mux that I developed three years ago.
Unfortunately, I needed some support from the authors.

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Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

314. [aprssig] Re: NMEA to USB

From: Bill Vodall - WA7NWP <wa7nwp@yahoo.com>
Date: Mon, 10 Jun 2002 22:10:13 -0700
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-84308-2002.06.11-00.48.54--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

>
>Looks a lot like the multiple port mux that I developed three years ago.
>Unfortunately, I needed some support from the authors.

You needed to build a virtual com port driver in Windows itself, not in the
application programs. I've looked for the SDK that Microsoft (used to?) provide
but can not longer find it. Maybe somebody here has a lead and we can
come up with a driver.

Bill

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315. [aprssig] Gateway info

From: "Angelo Glorioso III" <n5uxt@cox.net>
Date: Mon, 10 Jun 2002 20:14:40 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-84333-2002.06.11-07.23.33--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Hi Folks,

I am kind of new to this gateway function of aprs. I have a static address as well as a dns name for my box here. I registered my version of APRS at Dayton and received a registration number.

Now to the question. I turned on the functions of the gateway for testing yesterday and I received at message for the aprserver that I am not a verified registered user, internet access only type of message.

Can anyone tell me what needs to be done to open the fro site of this??? Any help would be appreciated.

Angelo

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316. [aprssig] Re: APRSERV.TXT Question

From: "Bill Guthrie" <willy3jax@telocity.com>
Date: Tue, 11 Jun 2002 08:01:21 -0400
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-84336-2002.06.11-07.33.03--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Its corrupted in the 2.5.1 version. I have not checked to see if the 2.6.1 corrected it. Use the attached file and update with your choices.

See also this link for choices: http://www.ahubswe.net/aprs_stat.asp

73's

Bill

```
########################################################################
# IF THIS FILE LOOKS MESSED UP, YOU MAY NEED TO ADD LINE FEEDS
#
# You may edit this file, however WinAPRS wont recongize the file
# until the next time you restart
# Obviously, lines starting with '#' are comments
#
# ! ! ! Fields must be seperated by TAB ! ! !
#
# NOTE: the default port for TELNET is 23, most APRS servers do NOT
# use 23, the port MUST be specificed for all of the entries, even
# if they are port #23
#
# If your environemnet uses a PROXIE server, uncomment the "PROXIE"
# line and enter your information. The proxie statement can be anywhere
# and applies for ALL of the entries.
#
# NOTE ! ! ! ! !!
# The PROXIE code has NOT been thoroughly tested, please let me know if it
# doesnt work.  It will ONLY work IF your proxie simply is looking for
# "www.aprs.net 10151<CR>", if it needs passwords or anything else, the
# proxie mode will NOT work
```

```
#
# MANUAL causes WinAPRS to open the terminal window to allow you to
# interact with the proxie server, PROXIE must be enabled as well
# This has NOT been tested very much so please be careful and let me know if
it works
#
# WINPROXY causes WinAPRS to try to use a WinProxy proxy server insted
#
# TELNET causes WinAPRS to try to use a telnet connction via a unix box
#  some firewalls are setup such that you first telnet to one machine
#  then telnet out from it
########################################################################
# The file name has CHANGED,
# This FILE APRServ.txt MUST contain ONLY the names of APRServ machines
########################################################################
#PROXIE kb2ear.aprs.net 5071
#PROXIE xdev.rutgers.edu 23
#MANUAL
#TELNET
#WINPROXY
#www.aprs.net 10151 APRServe Network - Southern Florida
207.218.70.101 2023 Parker AZ
www.ahubeast.net 2023
www.ahubca.net 2023
207.218.70.101 2023 Parker AZ
```

----- Original Message -----
From: "Dave Sloan" <desloan@earthlink.net>
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Sent: Monday, June 10, 2002 9:32 PM
Subject: [aprssig] APRSERV.TXT Question

> This doesn't look right to me. Is it?
>
>   aprsserv.txt   Uà 8"UÀB DÿÏÝÄ
> > Tnx & 73,
> Dave N0EOP
>
>
> ---
> You are currently subscribed to aprssig as: willy3jax@telocity.com
> To unsubscribe send a blank email to leave-aprssig-842K@lists.tapr.org
> Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org
>
>

[Attachment: aprserve.txt; text/plain; 1,893 bytes]

317. [aprssig] Re: What's with EMERGENCY MESSAGES???

From: "Keith Kotch" <kkotch@cfl.rr.com>
Date: Tue, 11 Jun 2002 08:20:16 -0400
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-84339-2002.06.11-07.58.42--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

It might be testing the "system" just to see if anyone is watching/listening.

As to the "bottom line" question.... it seems, if "EMERGENCY!" is to have any function then it should be assumed that one can expect another to attempt to discover the nature of the emergency and act appropriately.

IF you have a fully functioning mobile APRS station (gps, laptop, full tnc) AND have the time and ability to completely describe the nature of the emergency, well, that's great. BUT, that emergency might just be a heart attack is occurring and all you can do is hit the pre-programmed "EMERGENCY!" code button and get someone heading your way.

Makes perfect sense to me. What doesn't make sense is that we sit back, monitor the frequency, see the call then chastise the sender for setting off alarms assuming that it's always in error. Have we become so callous and self-centered.....?

Keith, KF4BXT

-----Original Message-----

On the other hand, I really do not understand the point of this test.
Setting the Position Comment to "EMERGENCY!" does not test anything. We all
know that if you set that Postion Comment on a D7/D700 the alarms will go
off in every Kenwood in "earshot". But so what?

Bottom Line: it is not clear what one is supposed to do if the "EMERGENCY!"
alarm goes off........

You are currently subscribed to aprssig as: lyris.aprssig@tapr.org
To unsubscribe send a blank email to leave-aprssig-842K@lists.tapr.org
Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

318. [aprssig] Re: What's with EMERGENCY MESSAGES???

From: "Keith Kotch" <kkotch@cfl.rr.com>
Date: Tue, 11 Jun 2002 08:29:18 -0400
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-84347-2002.06.11-08.07.46--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

WE don't have to send anything. WE just have to initiate a response to "an
unknown type emergency". It happens often enough in the real 911 world that
they have protocols developed to handle those type calls. You usually send
a joint police and fire/rescue response with fire/rescue staging, usually
right around the corner, until police can check first for security reasons.
You respond for "worst case" scenario.

What there probably needs to be is some sort of user feedback device that
will initiate a local alarm at the station sending the "EMERGENCY!" packet
so they're alerted that one has been sent. I'll grant that in most cases it
has either been a test or inadvertent. There probably needs to be a way to
"retract" such a message just as easily as there is to send it, especially
for the "dumb" trackers.

Keith, KF4BXT

-----Original Message-----

Pretty good story. However, you mentioned emergency and not knowing and
then you mentioned it as a crash, so you knew.
Would you send a team out, unprepard in regards to walking up to a bear
pooping in the woods? <G> Or walk into a forrest with trees falling in the
woods. What would you send? Swat team, fire, medical, police, Poo-Bear? <G>
I see what you mentioned all the time....it's hard to be a 911 dispatcher!

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To unsubscribe send a blank email to leave-aprssig-842K@lists.tapr.org
Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

319. [aprssig] Re: What's with EMERGENCY MESSAGES???

From: "Ronald Reams" <wa4mjf@worldnet.att.net>
Date: Tue, 11 Jun 2002 08:54:01 -0400
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-84352-2002.06.11-08.30.25--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

I think in a real emergency, you should get on
the voice radio and used the well known Mayday,
Securitie or PAN as the siuations dictate.

That's what i'd do!

73 de Ronnie

----- Original Message -----
From: "Keith Kotch" <kkotch@cfl.rr.com>
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Sent: Tuesday, June 11, 2002 08:29
Subject: [aprssig] Re: What's with EMERGENCY MESSAGES???

WE don't have to send anything. WE just have to initiate a response to "an unknown type emergency". It happens often enough in the real 911 world that they have protocols developed to handle those type calls. You usually send a joint police and fire/rescue response with fire/rescue staging, usually right around the corner, until police can check first for security reasons. You respond for "worst case" scenario.

What there probably needs to be is some sort of user feedback device that will initiate a local alarm at the station sending the "EMERGENCY!" packet so they're alerted that one has been sent. I'll grant that in most cases it has either been a test or inadvertent. There probably needs to be a way to "retract" such a message just as easily as there is to send it, especially for the "dumb" trackers.

Keith, KF4BXT

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Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

320. [aprssig] Re: What's with EMERGENCY MESSAGES???

From: "Eric Christensen, KF4OTN" <kf4otn@cox.net>
Date: Tue, 11 Jun 2002 09:02:52 -0400
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-84355-2002.06.11-08.40.05--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Yes, but having your position marked on the screen also helps if you can't tell anyone where you are. And by selecting "EMERGENCY!", it will definitely get someone's attention of your exact location. You need to use ALL of your resources available when you are in an emergency situation.

73s,
Eric KF4OTN

----- Original Message -----
From: "Ronald Reams" <wa4mjf@worldnet.att.net>
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Sent: Tuesday, June 11, 2002 08:54
Subject: [aprssig] Re: What's with EMERGENCY MESSAGES???

I think in a real emergency, you should get on
the voice radio and used the well known Mayday,
Securitie or PAN as the siuations dictate.

That's what i'd do!

73 de Ronnie

----- Original Message -----
From: "Keith Kotch" <kkotch@cfl.rr.com>
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Sent: Tuesday, June 11, 2002 08:29
Subject: [aprssig] Re: What's with EMERGENCY MESSAGES???

WE don't have to send anything. WE just have to initiate a response
to "an
unknown type emergency". It happens often enough in the real 911
world that

they have protocols developed to handle those type calls. You
usually send
a joint police and fire/rescue response with fire/rescue staging,
usually
right around the corner, until police can check first for security
reasons.
You respond for "worst case" scenario.

What there probably needs to be is some sort of user feedback device
that
will initiate a local alarm at the station sending the "EMERGENCY!"
packet
so they're alerted that one has been sent. I'll grant that in most
cases it
has either been a test or inadvertent. There probably needs to be a
way to
"retract" such a message just as easily as there is to send it,
especially
for the "dumb" trackers.

Keith, KF4BXT

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To unsubscribe send a blank email to
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wa1lou@tapr.org

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Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

---

321. [aprssig] Re: What's with EMERGENCY MESSAGES???

From: "Ronald Reams" <wa4mjf@worldnet.att.net>
Date: Tue, 11 Jun 2002 09:16:06 -0400
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-84356-2002.06.11-08.52.27--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Hi Eric,

You could look at your GPS and give the coordinates.

Now let's be honest. I will admit that I don't look at my screen
much on the APRS Gate nor APRSDat 'puters.

I can however hear the two meter, 70 cm and 10 meter club
repeaters, ECARS, MM Net, 40.50 MHZ, 53.30 MHz ,
121.5 MHz and 243.0 MHz from anywhere
in the station.

How many out there in APRS land stare at the CRTs to look for
emergency messages?

73 de Ronnie

----- Original Message -----
From: "Eric Christensen, KF4OTN" <kf4otn@cox.net>
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Sent: Tuesday, June 11, 2002 09:02
Subject: [aprssig] Re: What's with EMERGENCY MESSAGES???

Yes, but having your position marked on the screen also helps if you
can't tell anyone where you are. And by selecting "EMERGENCY!", it
will definitely get someone's attention of your exact location. You
need to use ALL of your resources available when you are in an
emergency situation.

73s,
Eric KF4OTN

----- Original Message -----
From: "Ronald Reams" <wa4mjf@worldnet.att.net>
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Sent: Tuesday, June 11, 2002 08:54
Subject: [aprssig] Re: What's with EMERGENCY MESSAGES???

I think in a real emergency, you should get on
the voice radio and used the well known Mayday,
Securitie or PAN as the siuations dictate.

That's what i'd do!

73 de Ronnie

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Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

322. [aprssig] Re: What's with EMERGENCY MESSAGES???

From: "Eric Christensen, KF4OTN" <kf4otn@cox.net>
Date: Tue, 11 Jun 2002 09:21:54 -0400
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-84358-2002.06.11-08.59.16--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Well, I don't know. I have the screen on my APRS station up and
running 24/7. What if someone only has a 40 meter mobile unit in
their vehicle and just a 2 meter tracker? I say use ALL your
resources because at my station I monitor the local 6 meter repeater
OR I monitor HF. The only 2 meter radio I monitor is APRS. I
believe that others may be in similar situations or not even have a
radio inside at all and be running APRS off the internet. It sounds
as if your station is very well equip for handling comms, but some
aren't. If I'm in trouble, I'm going to try to alert as many folks
as possible that I'm in grave danger and need some help. My luck, no
one would be monitoring the repeater!!! :)

I have more questions, but I'll send them in a second email to keep
the subjects separated...

73s,
Eric KF4OTN

----- Original Message -----
From: "Ronald Reams" <wa4mjf@worldnet.att.net>
To: "Eric Christensen, KF4OTN" <kf4otn@cox.net>
Sent: Tuesday, June 11, 2002 09:15
Subject: Re: [aprssig] Re: What's with EMERGENCY MESSAGES???

Hu Erci,

You could look at your GPS and give the coordinates.

Now let's be honest. I will admit that I don't look at my screen
much on the APRS Gate nor APRSDat 'puters.

I can however hear the two meter, 70 cm and 10 meter club
repeaters, ECARS, MM Net, 40.50 MHZ, 53.30 MHz ,
121.5 MHz and 243.0 MHz from anywhere
in the station.

How many out there in APRS land stare at the CRTs to look for
emergency messages?

73 de Ronnie

----- Original Message -----
From: "Eric Christensen, KF4OTN" <kf4otn@cox.net>
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Sent: Tuesday, June 11, 2002 09:02
Subject: [aprssig] Re: What's with EMERGENCY MESSAGES???

Yes, but having your position marked on the screen also helps if you
can't tell anyone where you are. And by selecting "EMERGENCY!", it
will definitely get someone's attention of your exact location. You
need to use ALL of your resources available when you are in an
emergency situation.

73s,
Eric KF4OTN

----- Original Message -----
From: "Ronald Reams" <wa4mjf@worldnet.att.net>
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Sent: Tuesday, June 11, 2002 08:54
Subject: [aprssig] Re: What's with EMERGENCY MESSAGES???

I think in a real emergency, you should get on
the voice radio and used the well known Mayday,
Securitie or PAN as the siuations dictate.

That's what i'd do!

73 de Ronnie

You are currently subscribed to aprssig as: lyris.aprssig@tapr.org
To unsubscribe send a blank email to leave-aprssig-842K@lists.tapr.org
Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

323. [aprssig] Re: What's with EMERGENCY MESSAGES???

From: "Ronald Reams" <wa4mjf@worldnet.att.net>
Date: Tue, 11 Jun 2002 09:24:48 -0400
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: "APRS Sig" <aprssig@lists.tapr.org>
Message-ID: <LYR842-84359-2002.06.11-09.01.51--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

On 40 meters, they would come on ECARS or MIDCARS
or WCARS dependin' on where they were.

73 de Ronnie

----- Original Message -----
From: "Eric Christensen, KF4OTN" <kf4otn@cox.net>
To: "Ronald Reams" <wa4mjf@worldnet.att.net>
Sent: Tuesday, June 11, 2002 09:19
Subject: Re: [aprssig] Re: What's with EMERGENCY MESSAGES???

Well, I don't know. I have the screen on my APRS station up and running 24/7. What if someone only has a 40 meter mobile unit in their vehicle and just a 2 meter tracker? I say use ALL your resources because at my station I monitor the local 6 meter repeater OR I monitor HF. The only 2 meter radio I monitor is APRS. I believe that others may be in similar situations or not even have a radio inside at all and be running APRS off the internet. It sounds as if your station is very well equip for handling comms, but some aren't. If I'm in trouble, I'm going to try to alert as many folks as possible that I'm in grave danger and need some help. My luck, no one would be monitoring the repeater!!! :)

I have more questions, but I'll send them in a second email to keep the subjects separated...

73s,
Eric KF4OTN

----- Original Message -----
From: "Ronald Reams" <wa4mjf@worldnet.att.net>
To: "Eric Christensen, KF4OTN" <kf4otn@cox.net>
Sent: Tuesday, June 11, 2002 09:15
Subject: Re: [aprssig] Re: What's with EMERGENCY MESSAGES???

Hu Erci,

You could look at your GPS and give the coordinates.

Now let's be honest. I will admit that I don't look at my screen much on the APRS Gate nor APRSDat 'puters.

I can however hear the two meter, 70 cm and 10 meter club repeaters, ECARS, MM Net, 40.50 MHZ, 53.30 MHz ,
121.5 MHz and 243.0 MHz from anywhere
in the station.

How many out there in APRS land stare at the CRTs to look for emergency messages?

73 de Ronnie

----- Original Message -----
From: "Eric Christensen, KF4OTN" <kf4otn@cox.net>
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Sent: Tuesday, June 11, 2002 09:02
Subject: [aprssig] Re: What's with EMERGENCY MESSAGES???

Yes, but having your position marked on the screen also helps if you can't tell anyone where you are. And by selecting "EMERGENCY!", it will definitely get someone's attention of your exact location. You need to use ALL of your resources available when you are in an emergency situation.

73s,
Eric KF4OTN

----- Original Message -----
From: "Ronald Reams" <wa4mjf@worldnet.att.net>
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Sent: Tuesday, June 11, 2002 08:54
Subject: [aprssig] Re: What's with EMERGENCY MESSAGES???

I think in a real emergency, you should get on
the voice radio and used the well known Mayday,
Securitie or PAN as the siuations dictate.

That's what i'd do!

73 de Ronnie

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Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

---

324. [aprssig] Re:

From: "Ronald Reams" <wa4mjf@worldnet.att.net>
Date: Tue, 11 Jun 2002 09:28:46 -0400
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: "APRS Sig" <aprssig@lists.tapr.org>
Message-ID: <LYR842-84361-2002.06.11-09.06.01--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

40.50 MHz (36F3) is the Army Air Corps (man it's good to
see the ole wing and prop back) guard channel.

That is WA4MJF-1 which is an APRSDAT station. It send info
to the satelite radios (D-7 etc) so that they can work the
birds that are easy to work without a complex skyhook.

You can find more info at www.TEARA.org

73 de Ronnie

----- Original Message -----
From: "Eric Christensen, KF4OTN" <kf4otn@cox.net>
To: "Ronald Reams" <wa4mjf@worldnet.att.net>
Sent: Tuesday, June 11, 2002 09:22

What exactly do you have running there at your station?!? I see sats
and DX information on SATS and see the bullitens that you have
running. Very impressive.

Also, what is 40.50?!? I recognized all the other frequencies but
that one.

Eric KF4OTN

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To unsubscribe send a blank email to leave-aprssig-842K@lists.tapr.org
Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

---

325. [aprssig] Re:

From: "Ronald Reams" <wa4mjf@worldnet.att.net>
Date: Tue, 11 Jun 2002 09:33:29 -0400
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: "APRS Sig" <aprssig@lists.tapr.org>
Message-ID: <LYR842-84362-2002.06.11-09.10.15--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Well, in an Emergency....that's why is is a guard
frequency. Once it a while, you'll here some one on
there that thinks they're on the intercom and they're on
the air. :-) Easy enough to do!

73 de Ronnie

----- Original Message -----
From: "Eric Christensen, KF4OTN" <kf4otn@cox.net>
To: "Ronald Reams" <wa4mjf@worldnet.att.net>
Sent: Tuesday, June 11, 2002 09:29
Subject: Re:

Does anyone still use 40.5?

You are currently subscribed to aprssig as: lyris.aprssig@tapr.org
To unsubscribe send a blank email to leave-aprssig-842K@lists.tapr.org
Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

326. [aprssig] Re: 40.50

From: "Ronald Reams" <wa4mjf@worldnet.att.net>
Date: Tue, 11 Jun 2002 09:37:44 -0400
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: "APRS Sig" <aprssig@lists.tapr.org>
Message-ID: <LYR842-84364-2002.06.11-09.15.26--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

The idea is.....snuffy sees a helo and wants to
call it. Well, not knowin' usually what unit it
belongs to and certainly not havin' their
CEOI, he can come up on 40.50 and
contact it.

73 de Ronnie

----- Original Message -----
From: "Eric Christensen, KF4OTN" <kf4otn@cox.net>
To: "Ronald Reams" <wa4mjf@worldnet.att.net>
Sent: Tuesday, June 11, 2002 09:29
Subject: Re:

Does anyone still use 40.5?

----- Original Message -----
From: "Ronald Reams" <wa4mjf@worldnet.att.net>
To: "Eric Christensen, KF4OTN" <kf4otn@cox.net>
Cc: "APRS Sig" <aprssig@lists.tapr.org>
Sent: Tuesday, June 11, 2002 09:28
Subject: Re:

40.50 MHz (36F3) is the Army Air Corps (man it's good to
see the ole wing and prop back) guard channel.

That is WA4MJF-1 which is an APRSDAT station. It send info
to the satelite radios (D-7 etc) so that they can work the
birds that are easy to work without a complex skyhook.

You can find more info at www.TEARA.org

73 de Ronnie

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Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

327. [aprssig] Was: What's with EMERGENCY MESSAGES???

From: LAIRD STANTON <LAIRD_STANTON@alexandria-emh1.army.mil>
Date: Tue, 11 Jun 2002 09:37:35 -0400
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-84366-2002.06.11-09.21.40--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

To have any validity, it must be reacted to, false alarms must be minimal, retractions must be easy, and the act of sending should independently initiate an audio and visual alarm at the sending point.

I fly with CAP and although we usually fly with our DF system on 121.5 (emergency), we also check 121.5 on the comm radio at the end of every flight to verify that our landing didn't set off our own beacon!

Laird
N3HLL

-----Original Message-----
From: "Keith Kotch" <kkotch@cfl.rr.com>@AMC
Sent: Tuesday, June 11, 2002 5:20 AM
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Subject: [aprssig] Re: What's with EMERGENCY MESSAGES???

(Embedded image moved to file: pic32036.pcx)
It might be testing the "system" just to see if anyone is watching/listening.

As to the "bottom line" question.... it seems, if "EMERGENCY!" is to have any function then it should be assumed that one can expect another to attempt to discover the nature of the emergency and act appropriately.

IF you have a fully functioning mobile APRS station (gps, laptop, full tnc) AND have the time and ability to completely describe the nature of the emergency, well, that's great. BUT, that emergency might just be a heart attack is occurring and all you can do is hit the pre-programmed "EMERGENCY!" code button and get someone heading your way.

Makes perfect sense to me. What doesn't make sense is that we sit back, monitor the frequency, see the call then chastise the sender for setting off alarms assuming that it's always in error. Have we become so callous and self-centered.....?

Keith, KF4BXT

-----Original Message-----

On the other hand, I really do not understand the point of this test. Setting the Position Comment to "EMERGENCY!" does not test anything. We all know that if you set that Postion Comment on a D7/D700 the alarms will go off in every Kenwood in "earshot". But so what?

Bottom Line: it is not clear what one is supposed to do if the "EMERGENCY!" alarm goes off........

You are currently subscribed to aprssig as: lstanton@hqamc.army.mil
To unsubscribe send a blank email to leave-aprssig-842K@lists.tapr.org
Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

[Attachment: pic32036.pcx; application/octet-stream; 2,707 bytes]

328. [aprssig] Re: What's with EMERGENCY MESSAGES???

From: "" <ka0azs@commkey.net>
Date: Tue, 11 Jun 2002 09:46:43 -0400
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-84368-2002.06.11-09.29.13--lyris.aprssig#tapr.org@lists.tapr.org>

Rendered body type: text/plain

I'd do that as well as hitting the EMERGENCY beacon on my D-700.

  I might be out of my usual stomping grounds and not able to find an active repeater (IE with someone
monitoring and willing to respond) in a timely manner. And for someone really out in the wilderness,
there's also a possiblity for the signal to be picked up by one of the APRS Sats.

  Also, the beacon could be going out while I'm busy adminstering first aid, evacuating casualties,
directing traffic around a hazard or performing some other function.

  In a true emergency, I'd be "gangloading the switches" and using any and all available means
neccessary to get help ASAP.

  Is the EMERGENCY fucntion a replacement for voice? No, but it has the potential of being a useful
supplement.

73

Randy KA0AZS

----- Original Message -----
From: Ronald Reams
Sent: 6/11/2002 8:54:01 AM
To: aprssig@lists.tapr.org
Subject: [aprssig] Re: What's with EMERGENCY MESSAGES???

> I think in a real emergency, you should get on
> the voice radio and used the well known Mayday,
> Securitie or PAN as the siuations dictate.
>
> That's what i'd do!
>
>
> 73 de Ronnie
>

---
You are currently subscribed to aprssig as: lyris.aprssig@tapr.org
To unsubscribe send a blank email to leave-aprssig-842K@lists.tapr.org
Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

329. [aprssig] Re: What's with EMERGENCY MESSAGES???

From: frastephen@comcast.net
Date: Tue, 11 Jun 2002 09:51:11 -0400
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-84369-2002.06.11-09.29.55--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

From: "Eric Christensen, KF4OTN" <kf4otn@cox.net>
> You need to use ALL of your resources available when you are in an
> emergency situation.

I still think we are missing the point here. What EXACTLY does the Position
Comment of "EMERGENCY!" mean?

It could mean anything from the sender him/her-self being involved in a
serious accident (I understand that really happened in MD once) to someone
marking the location of an accident to someone testing their tracker....
That sure is a wide diversity of meannigs. If "EMERGENCY!" mean everything,
it means nothing ....

Keith said: "As to the "bottom line" question.... it seems, if "EMERGENCY!"
is to have
any function then it should be assumed that one can expect another to
attempt to discover the nature of the emergency and act appropriately."

I would agree to the above if there was some common understanding that
"EMERGENCY!" was equivalent to "MAYDAY", but it is not. I do not believe we
can "assume" that "EMERGENCY!" means anything. The spec is silent on this
question. There is no commonly acceptable protocol. I am not saying there
should not be common protocol, on the contrary, I believe there should be!
Right now the "EMERGENCY!" Position Comment sheds little, if any, light and
only causes confusion. That is the whole point ... and maybe that is the
value of the recent test.

Another bottom line question: If you caught a packet with the Position Comment (perhaps the Kenwood lingo for this feature says it all -- it is a position "Comment") would you feel comfortable taking the responsibility to call 911 with that information? Any 911 mavens out there want to offer an opinion as to what kind of response the typical 911 operator would offer to the following: "I just got a message on my ham radio that says there is an emergency at 40 degrees 8 minutes North and 74 degrees 58 minutes west .... Who is involed in the emergency?   I really don't know.... What is the nature of the emergency? I really don't know ... Should you send a police car? I really don't know ... An ambulance? I really don't know ... A fire truck? ...."

Also, I can't let it pass that this discussion is inspired by some cavalier attitude. Rather it is inspired from a desire to promote precision. As a post-er recently mentioned, International aggreements going back decades already give us standard protocols on this question. Maybe we should HAVE (past tense, with all those Kenwoods and dumb trackers out there the horse is WAY out of the barn on this one) considered these questions before the "EMERGENCY!" position comment was carved in stone with no real meaning ....

Peace & 73
Stephen
W3SMK
K2 #2644

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Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

330. [aprssig] Re:

From: "Ronald Reams" <wa4mjf@worldnet.att.net>
Date: Tue, 11 Jun 2002 09:54:24 -0400
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: "APRS Sig" <aprssig@lists.tapr.org>
Message-ID: <LYR842-84370-2002.06.11-09.31.02--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

I don't think most units have 253.0 AM capability.

A unit with an attached FAC party would, but that about all.

Where did you get this?

73 de Ronnie

----- Original Message -----
From: "Sadowski, Allan" <allan.sadowski@ncshp.org>
To: "'Ronald Reams'" <wa4mjf@worldnet.att.net>
Sent: Tuesday, June 11, 2002 09:51
Subject: RE: [aprssig] Re:

Just in case it confuses anyone...

253.0 MHz is now Guard (interestingly, it's 121.5 MHz x 2 .... and 121.5 MHz being the Civilian EPIRB Freq)...

Aloha
AH6LS

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331. [aprssig] Re: What's with EMERGENCY MESSAGES???

From: "Eric Christensen, KF4OTN" <kf4otn@cox.net>
Date: Tue, 11 Jun 2002 10:01:06 -0400
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-84371-2002.06.11-09.39.18--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

I believe the that Position Comment of "Emergency!" means that there is an emergency at the location prescribed by the lat/long in the beacon text. Some sort of contact needs to be made to the owner of that station whether it be an APRS message or some sort of law enforcement response. When I work as a Telecommunicator for the County E911 central comm. center, any calls that are "unknown emergency" gets an automatic response by the police department or sheriff's office. It doesn't really matter if it is a cell call, a 911 hang-up, or a child playing on the telephone.

If the person has the ability to also include some information on the emergency, they should do so in the status text or by bulletin or message. It would be nice to include a voice frequency in which they are monitoring if possible. This would clear up some issues as to the type of emergency, but generally, most emergencies get a similar response so it doesn't really matter...

Eric KF4OTN

----- Original Message -----
From: <frastephen@comcast.net>
To: "Eric Christensen, KF4OTN" <kf4otn@cox.net>; "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Sent: Tuesday, June 11, 2002 09:51
Subject: Re: [aprssig] Re: What's with EMERGENCY MESSAGES???

From: "Eric Christensen, KF4OTN" <kf4otn@cox.net>

> You need to use ALL of your resources available when you are in an
> emergency situation.

I still think we are missing the point here. What EXACTLY does the Position Comment of "EMERGENCY!" mean?

It could mean anything from the sender him/her-self being involved in a serious accident (I understand that really happened in MD once) to someone marking the location of an accident to someone testing their tracker....
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Keith said: "As to the "bottom line" question.... it seems, if "EMERGENCY!" is to have any function then it should be assumed that one can expect another to attempt to discover the nature of the emergency and act appropriately."

I would agree to the above if there was some common understanding that "EMERGENCY!" was equivalent to "MAYDAY", but it is not. I do not believe we can "assume" that "EMERGENCY!" means anything. The spec is silent on this question. There is no commonly acceptable protocol. I am not saying there should not be common protocol, on the contrary, I believe there should be!
Right now the "EMERGENCY!" Position Comment sheds little, if any, light and only causes confusion. That is the whole point ... and maybe that is the value of the recent test.

Another bottom line question: If you caught a packet with the Position Comment (perhaps the Kenwood lingo for this feature says it all -- it

is a
position "Comment") would you feel comfortable taking the
responsibility to
call 911 with that information? Any 911 mavens out there want to
offer an
opinion as to what kind of response the typical 911 operator would
offer to
the following: "I just got a message on my ham radio that says there
is an
emergency at 40 degrees 8 minutes North and 74 degrees 58 minutes
west ....
Who is involed in the emergency?   I really don't know.... What is
the
nature of the emergency? I really don't know ... Should you send a
police
car? I really don't know ... An ambulance? I really don't know ...
A fire
truck? ...."

Also, I can't let it pass that this discussion is inspired by some
cavalier
attitude. Rather it is inspired from a desire to promote precision.
As a
post-er recently mentioned, International aggreements going back
decades
already give us standard protocols on this question. Maybe we should
HAVE
(past tense, with all those Kenwoods and dumb trackers out there the
horse
is WAY out of the barn on this one) considered these questions before
the
"EMERGENCY!" position comment was carved in stone with no real
meaning ....

Peace & 73
Stephen
W3SMK
K2 #2644

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---

332. [aprssig] 121.5 MHz x 2

From: "Sadowski, Allan" <allan.sadowski@ncshp.org>
Date: Tue, 11 Jun 2002 10:04:33 -0400
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-84377-2002.06.11-09.42.24--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

I haven't had my coffee ration this morning... so I goofed on my
MULTIPLICATION

Sorry

AH6LS

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Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

---

333. [aprssig] Re: NMEA to USB

From: David VanHorn <dvanhorn@cedar.net>
Date: Tue, 11 Jun 2002 00:36:28 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-84378-2002.06.11-09.43.06--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

At 10:10 PM 6/10/2002 -0700, Bill Vodall - WA7NWP wrote:

```
> >
> >Looks a lot like the multiple port mux that I developed three years ago.
> >Unfortunately, I needed some support from the authors.
>
>You needed to build a virtual com port driver in Windows itself, not in the
>application programs.  I've looked for the SDK that Microsoft (used to?)
>provide
>but can not longer find it.  Maybe somebody here has a lead and we can
>come up with a driver.


That would work on windows platforms.
The protocol that I proposed is relatively simple, and allows plenty of
room for expansion.


---
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```

---

334. [aprssig] Re:

From: "Ronald Reams" <wa4mjf@worldnet.att.net>
Date: Tue, 11 Jun 2002 10:08:01 -0400
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-84379-2002.06.11-09.47.15--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

```
----- Original Message -----
From: "Ronald Reams" <wa4mjf@worldnet.att.net>
To: "Sadowski, Allan" <allan.sadowski@ncshp.org>
Sent: Tuesday, June 11, 2002 10:06
Subject: Re: [aprssig] Re:


Well, yeh, but that in the AC band and Army AC
do use that, but the guard frequency of 40.50 is for ground units
to establish commo with an AC.  They do not
have organic
UHF air comms.


73 de Ronnie


----- Original Message -----
From: "Sadowski, Allan" <allan.sadowski@ncshp.org>
To: "'Ronald Reams'" <wa4mjf@worldnet.att.net>
Sent: Tuesday, June 11, 2002 10:02
Subject: RE: [aprssig] Re:


I'm retired Military.....  flew HH-60G's and F-16's as a flight test
engineer... also tiny time on Rivet Joint and AWACS (NOT a pilot... OT&E
Flight Test Engineer... data taker and general pain in the posterior for
Test Pilots in multi seat aircraft... had to make'm redo test profiles to
get better data a few times... ha ha ha)

And... if it's DoD and flies... it has 253.0 MHz....  required for
interoperability... and though the Army was the last to the party on this
one... the double shoot down of two BlackHawks ten years ago in Iraq....
sealed the fate of common commo for Military Aviation... BTW... this freq is
recognized by most of the worlds Military as Guard...

P. A. Sadowski (BSEE, MSIST, Mustang Major - USAF Regular Retired)
North Carolina State Highway Patrol / Information Management Unit
Network Manager/Network Engineer

"Never ascribe to Malice that which can adequately be explained by
Stupidity"
                                                              - Lazarus Long

"God only made two things infinite - the Universe and man's stupidity, and
I'm not sure about the former"
      - Albert
Einstein
```

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335. [aprssig] Re:

From: "Ronald Reams" <wa4mjf@worldnet.att.net>
Date: Tue, 11 Jun 2002 10:15:58 -0400
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: "APRS Sig" <aprssig@lists.tapr.org>
Message-ID: <LYR842-84383-2002.06.11-09.52.34--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

I think the WARTHOG is the only USAF fixed wing
with VHF Lo Band. Interstin'ly enough the 74th FW down
at Pope (or at least where they're based) has 40.50 MHz
in their frequncy list.

73 de Ronnie

----- Original Message -----
From: "Sadowski, Allan" <allan.sadowski@ncshp.org>
To: "'Ronald Reams'" <wa4mjf@worldnet.att.net>
Sent: Tuesday, June 11, 2002 10:02
Subject: RE: [aprssig] Re:

I'm retired Military..... flew HH-60G's and F-16's as a flight test
engineer... also tiny time on Rivet Joint and AWACS (NOT a pilot... OT&E
Flight Test Engineer... data taker and general pain in the posterior for
Test Pilots in multi seat aircraft... had to make'm redo test profiles to
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- Lazarus Long

"God only made two things infinite - the Universe and man's stupidity, and
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- Albert
Einstein

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Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

336. [aprssig] Re: What's with EMERGENCY MESSAGES???

From: frastephen@comcast.net
Date: Tue, 11 Jun 2002 10:22:36 -0400
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-84386-2002.06.11-10.03.03--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Good post, Randy! I think the key word in your post is "potential" ...
Peace & 73
Stephen
W3SMK
K2 #2644

From: <ka0azs@commkey.net>
Is the EMERGENCY fucntion a replacement for voice? No, but it has the
potential of being a useful supplement.

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To unsubscribe send a blank email to leave-aprssig-842K@lists.tapr.org
Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

337. [aprssig] Re:121.5 MHz x 2

From: "Ronald Reams" <wa4mjf@worldnet.att.net>
Date: Tue, 11 Jun 2002 10:36:27 -0400
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-84387-2002.06.11-10.13.45--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

243.0 is the MilAir Emergency Frequncy.

Lotsa ELTs on there. I hear about 2 - 3 month.

I keep the SJAFB Commnad post Telephone Number next to
the phone. :-)

73 de Ronnie

----- Original Message -----
From: "Sadowski, Allan" <allan.sadowski@ncshp.org>
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Sent: Tuesday, June 11, 2002 10:04
Subject: [aprssig] 121.5 MHz x 2

I haven't had my coffee ration this morning... so I goofed on my
MULTIPLICATION

Sorry

AH6LS

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Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

338. [aprssig] Re: What's with EMERGENCY MESSAGES???

From: "Keith Kotch" <kkotch@cfl.rr.com>
Date: Tue, 11 Jun 2002 13:06:42 -0400
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-84391-2002.06.11-12.45.12--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Maybe they're not set up for voice. If I'm having a heart attack, I'm
probably not in a condition to change a radio over to a local repeater and
get enough breath to make a voice statement. You've not been in respiratory
distress, under real personnel duress, or responsible for responding to
those who are having real emergencies (that is being an EMT or Paramedic)
have you?

I can understand the thoughts you are having, it's just I don't agree with
your logic right now. And it's okay to disagree.

Keith

-----Original Message-----
From: Ronald Reams [mailto:wa4mjf@worldnet.att.net]

I think in a real emergency, you should get on
the voice radio and used the well known Mayday,
Securitie or PAN as the siuations dictate.

That's what i'd do!

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339. [aprssig] Re: What's with EMERGENCY MESSAGES???

From: "Keith Kotch" <kkotch@cfl.rr.com>
Date: Tue, 11 Jun 2002 13:09:43 -0400
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-84392-2002.06.11-12.48.37--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Again, if it's a dumb tracker it may very well be using a GPS that has no display. Remember, no display in the vehicle, no immediate access to the transmitter, and quite possibly no physical ability or the time to reconfigure radio equipment to get a voice message out.

Think of a car jacking. Think the car jacker would give you the time to send a voice "mayday" message out?

Keith

-----Original Message-----
From: bounce-aprssig-28239@lists.tapr.org
[mailto:bounce-aprssig-28239@lists.tapr.org]On Behalf Of Ronald Reams

You could look at your GPS and give the coordinates.

You are currently subscribed to aprssig as: lyris.aprssig@tapr.org
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Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

340. [aprssig] Re: What's with EMERGENCY MESSAGES???

From: Bob Bruninga <bruninga@usna.edu>
Date: Tue, 11 Jun 2002 13:13:53 -0400 (EDT)
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: TAPR APRS Special Interest Group <aprssig@lists.tapr.org>
Message-ID: <LYR842-84393-2002.06.11-12.50.41--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

On Tue, 11 Jun 2002, Ronald Reams wrote:

> How many out there in APRS land stare at the CRTs to look for
> emergency messages?

In APRS, such an emergeny is supposed to ring bells and make a such nuisance that no one will miss it. Even someone in the other room will be alerted to the ruccuas. APRSdos begins beeping and then redraws the map centered on the emergecny... The noise wll not go away until the operator acknowledges the emergency by selecting the Emergency station, or by hitting OPS-CANCEL

Bob

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341. [aprssig] Re: What's with EMERGENCY MESSAGES???

From: "Ronald Reams" <wa4mjf@worldnet.att.net>
Date: Tue, 11 Jun 2002 13:30:05 -0400
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-84394-2002.06.11-13.06.22--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Well, I wouldn't say that!

Let's see, 11B20 RVN (1966-67) C Co 4/12th Inf 199th Inf Bde...
Volunteer firefighter and EMT for many moons (Western Branch
VFD and Davis Corner VFD in VA and Ahoskie VRS in NC) and a
retired law enforcement officer (Chesapeake PD VA, Ahoskie PD,

NC and NC DMV Enforcement).

Little stress once in a while :-)

73 de Ronnie

----- Original Message -----
From: "Keith Kotch" <kkotch@cfl.rr.com>
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Sent: Tuesday, June 11, 2002 13:06
Subject: [aprssig] Re: What's with EMERGENCY MESSAGES???

Maybe they're not set up for voice. If I'm having a heart attack, I'm probably not in a condition to change a radio over to a local repeater and get enough breath to make a voice statement. You've not been in respiratory distress, under real personnel duress, or responsible for responding to those who are having real emergencies (that is being an EMT or Paramedic) have you?

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From: Ronald Reams [mailto:wa4mjf@worldnet.att.net]

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342. [aprssig] Re: What's with EMERGENCY MESSAGES???

From: "Ronald Reams" <wa4mjf@worldnet.att.net>
Date: Tue, 11 Jun 2002 13:33:37 -0400
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-84395-2002.06.11-13.10.18--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

I see alarms on there once in a while, but no bells ring.

Maybe I needa sound card and speaker????

My model 15 TTY machine has louder bell than
my 'puter does.

73 de Ronnie

----- Original Message -----
From: "Bob Bruninga" <bruninga@usna.edu>
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Sent: Tuesday, June 11, 2002 13:13
Subject: [aprssig] Re: What's with EMERGENCY MESSAGES???

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> emergency messages?

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Bob

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343. [aprssig] Re: What's with EMERGENCY MESSAGES???

From: Bob Bruninga <bruninga@usna.edu>
Date: Tue, 11 Jun 2002 13:34:15 -0400 (EDT)
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: TAPR APRS Special Interest Group <aprssig@lists.tapr.org>
Message-ID: <LYR842-84396-2002.06.11-13.11.02--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

On Tue, 11 Jun 2002 frastephen@comcast.net wrote:

> I still think we are missing the point here. What EXACTLY does the
> Position Comment of "EMERGENCY!" mean?

It means someone transmitted it. And that he selected it from a menu of
1 out of 7 preformatted 10 character words.. The sender clealy thought
that the single word out of the 7 possible conveyed his needs at the
moment.

> ...I do not believe we can "assume" that "EMERGENCY!" means anything.
> The spec is silent on this question. There is no commonly acceptable
> protocol.... Right now the "EMERGENCY!" Position Comment sheds little,
> if any, light and only causes confusion. That is the whole point ...

I donno, the above definition seems pretty clear. Now step two of any
reasonable receipent is to take additional steps to investigate what is
the probably cause and or response. It is only an alert...

> Another bottom line question: If you caught a packet with the Position
> Comment (perhaps the Kenwood lingo for this feature says it all -- it is a
> position "Comment") would you feel comfortable taking the responsibility to
> call 911 with that information?

Not at all. But I would begin to investigate... to alert others, to check
other frequenceis in the area, to see if someone is nearby, to exhaust
other possibilitites..

> Anyone want to offer an
> opinion as to what kind of response the typical 911 operator would offer to
> the following: "I just got a message on my ham radio that says there is an
> emergency at 40 degrees 8 minutes North and 74 degrees 58 minutes west ....
> Who is involed in the emergency? I really don't know.... What is the
> nature of the emergency? I really don't know ... Should you send a police
> car? I really don't know ... An ambulance? I really don't know ... A fire
> truck? ...."

If after investigation you feel it is necessary to call 911 with the
information you have available, then you give then the information you
have. Not much else you can do...

> Also, I can't let it pass that this discussion is inspired by some cavalier
> attitude. Rather it is inspired from a desire to promote precision. As a
> post-er recently mentioned, International aggreements going back decades
> already give us standard protocols on this question. Maybe we should HAVE
> (past tense, with all those Kenwoods and dumb trackers out there the horse
> is WAY out of the barn on this one) considered these questions before the
> "EMERGENCY!" position comment was carved in stone with no real meaning ....

Pick another word. There are 3 bits. There can be 7 words and they can
be 10 characters long.. We sollicited on the aprssig for what should
those 7 words be. The result is what came out of that discussion. There
is not much else that can be encoded in just 3 bits...

The current words encoded in those three bits are:

Off duty
Enroute
in service
Returning
committed
special
priority
Emergency

In APRSdos the last 4 are shown in different colors ending in Red and the last two evoke a map focus onto the sending station but only the last one sets off alarms...

de WB4APR, Bob

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---

344. [aprssig] Re: What's with EMERGENCY MESSAGES???

From: "Keith Kotch" <kkotch@cfl.rr.com>
Date: Tue, 11 Jun 2002 13:38:14 -0400
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-84398-2002.06.11-13.18.15--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

If I were pretty sure that it wasn't quite so easy (apparently) to accidentally transmit "EMERGENCY!" then yes, I'd have no problem phoning it in and explaining. You see smoke pouring out of the back of a neighbors house....you either run over there and attempt to check it out and/or first call 911 for a fire truck. Turns out, the wife is lighting the grill for the first time to BBQ and it's just that. Err on the side of safety.

Now, one thing that might very well pose a problem is giving raw lat/lon coordinates. I'm not sure many 911 operators would have the knowledge or resources to convert that into a street location.

This brings up another idea. "EMERGENCY!" maybe ought to trigger another canned message comment giving the description of the vehicle that it's installed in. Scenario: "EMERGENCY!" packet is seen on APRS. We've got a callsign, coordinates (hopefully it's a gps tracker), and by looking on a street level map on APRS we can have a rough "detailed" location. The automatic emergency status packet could then tell us it's a green Ford Explorer, tag xx1xx. Maybe you could tell that operator is diabetic or heart patient if it's been a recurring severe problem.

A couple of us have already shared what a typical response to an "unknown type emergency" would be. It's not that uncommon for them to receive something like that. So common in fact that all agencies should have dispatch protocols in place for just such a response. Just think of those little pendants targeting the elderly that live alone. They get in trouble, they just push the button and the receiver automatically dials 911 to summon help. No voice transaction took place.

Now, the kicker in all this is the proven or disproved reliability of such APRS information. If one jurisdiction continues to get false alarm reports from the APRS system or a particular operator, then there could be negative ramifications, which are entirely justified. Would they refuse to respond? No, of course not, their liability exposure would skyrocket if they didn't. Could they fine the instigator of the false alarm? Sure, it's done everyday after enough of them.

Yes, it's probably a statistical fact that most of the "EMERGENCY!" messages transmitted on APRS have been in error. But they've been spread out all across the WORLD and they've made up a very minute percentage of total APRS packets transmitted. Again, I say, err on the side of safety.

Keith

-----Original Message-----
From: bounce-aprssig-28239@lists.tapr.org
[mailto:bounce-aprssig-28239@lists.tapr.org]On Behalf Of
frastephen@comcast.net

Another bottom line question: If you caught a packet with the Position

Comment (perhaps the Kenwood lingo for this feature says it all -- it is a position "Comment") would you feel comfortable taking the responsibility to call 911 with that information? Any 911 mavens out there want to offer an opinion as to what kind of response the typical 911 operator would offer to the following: "I just got a message on my ham radio that says there is an emergency at 40 degrees 8 minutes North and 74 degrees 58 minutes west .... Who is involed in the emergency? I really don't know.... What is the nature of the emergency? I really don't know ... Should you send a police car? I really don't know ... An ambulance? I really don't know ... A fire truck? ...."

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Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

345. [aprssig] Re: What's with EMERGENCY MESSAGES???

From: "Keith Kotch" <kkotch@cfl.rr.com>
Date: Tue, 11 Jun 2002 13:55:43 -0400
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-84399-2002.06.11-13.34.14--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Was there ever discussion about using George Carlin's "Seven Dirty Words"?
;-)

Keith, KF4BXT

-----Original Message-----
From: bounce-aprssig-28239@lists.tapr.org
[mailto:bounce-aprssig-28239@lists.tapr.org]On Behalf Of Bob Bruninga

Pick another word. There are 3 bits. There can be 7 words and they can be 10 characters long.. We sollicited on the aprssig for what should those 7 words be. The result is what came out of that discussion. There is not much else that can be encoded in just 3 bits...

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346. [aprssig] Re: What's with EMERGENCY MESSAGES???

From: "Spider" <spider@rivcom.net>
Date: Tue, 11 Jun 2002 11:16:04 -0700
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-84404-2002.06.11-13.54.31--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

----- Original Message -----
From: "Eric Christensen, KF4OTN" <kf4otn@cox.net>
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Sent: Tuesday, June 11, 2002 6:02 AM
Subject: [aprssig] Re: What's with EMERGENCY MESSAGES???

> Yes, but having your position marked on the screen also helps if you
> can't tell anyone where you are. And by selecting "EMERGENCY!", it
> will definitely get someone's attention of your exact location. You
> need to use ALL of your resources available when you are in an
> emergency situation.
>
> 73s,
> Eric KF4OTN

Someone has been sending an emergency beacon for days, according to another poster. Gee, is anyone paying attention to it? I noticed another post to ask if anyone knew who the guy was and contact him to shut it off! Maybe he can't! Who knows?

Jim, WA6OFT

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347. [aprssig] Re: What's with EMERGENCY MESSAGES???

From: frastephen@comcast.net
Date: Tue, 11 Jun 2002 15:48:00 -0400
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: TAPR APRS Special Interest Group <aprssig@lists.tapr.org>
Message-ID: <LYR842-84406-2002.06.11-15.24.41--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Thanks Bob for your thoughts and a bit of the history. The polling of the SIG for the use of those three bits is before my time in APRS, so thanks for explaining a bit of the process.

Your words helped me to understand my own confusion in all of this, I suppose. The Position Comment of "Emergency!" is an ALERT, but it is not, by definition, a REQUEST for help or assistance.

I could see someone (the sender) using this with the intention to ALERT others of an "emergency" situation that requires no action on the receivers part (pointing out the location of an accident, the wild fires we are seeing in the Southwest and New Jersey these days, etc) ... the problem is that it might, and there is no way to tell the difference.

In a certain sense, the current "Emergency!" and "Priority" Position Comments in APRS are similar, it seems, to the precedences of NTS standard message forms. Unfortunately, in the case of a dumb tracker, you get a PRECEDENCE with no MESSAGE.

Perhaps, there is a need for a standard APRS Distress protocol. If someone wanted to use APRS for a MAYDAY call (not just an alert, but a request for assistance -- and I understand that this would probably be a last resort and not a primary vehichle for sending a distress signal), what should they do?

Peace & 73
Stephen
W3SMK
K2 #2644

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348. [aprssig] Re: What's with EMERGENCY MESSAGES???

From: frastephen@comcast.net
Date: Tue, 11 Jun 2002 15:56:56 -0400
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-84407-2002.06.11-15.33.59--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Thanks Keith for the reponse..

From: "Keith Kotch" <kkotch@cfl.rr.com>

> If I were pretty sure that it wasn't quite so easy (apparently) to
> accidentally transmit "EMERGENCY!" then yes,

This is one of the problems, I suppose. The only other time I received an EMERGENCY! Position Comment led to a lot of useless driving around and a wild goose chase. And given that these packets can be propagated literally around the world via Internet only compounds the impact of false alarms.

> This brings up another idea. "EMERGENCY!" maybe ought to trigger another
> canned message comment giving the description of the vehicle that it's
> installed in. Scenario: "EMERGENCY!" packet is seen on APRS. We've got
a
> callsign, coordinates (hopefully it's a gps tracker), and by looking on a
> street level map on APRS we can have a rough "detailed" location. The
> automatic emergency status packet could then tell us it's a green Ford
> Explorer, tag xx1xx. Maybe you could tell that operator is diabetic or

> heart patient if it's been a recurring severe problem.

Interesting idea! As I posted previously, the EMERGENCY! position comment
gives a precedence to a message, with no message attached!

>
> A couple of us have already shared what a typical response to an "unknown
> type emergency" would be. It's not that uncommon for them to receive
> something like that. So common in fact that all agencies should have
> dispatch protocols in place for just such a response. Just think of those
> little pendants targeting the elderly that live alone. They get in
trouble,
> they just push the button and the receiver automatically dials 911 to
summon
> help. No voice transaction took place.

True, but when the old lady hits the panic button she intends to communicate
to the world she needs assistance -- not necessarily so to the rogue
EMEREGENCY! packet.

Peace & 73
Stephen
W3SMK
K2 #2644

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349. [aprssig] Re: What's with EMERGENCY MESSAGES???

From: "Roy Bost" <rbost@itexas.net>
Date: Tue, 11 Jun 2002 15:06:06 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-84408-2002.06.11-15.43.52--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

I've been watching all the hoopla for the last several days over Emergency
Messages. I have a question that I'm sure I'm not the only one that needs
to have answered.....How Do You Send An Emergency Message in the following
conditions?:

1. Dumb tracker...2m radio, KPC-3, and a GPS with no display.
2. KWD D-700/7 and a GPS with no display
3   KWD D-700/7, GPS with no display, and a laptop running WinAPRS or
equivalent software.
4 Alinco DR-135 with built in TNC and a GPS with no display
5. #4 with a laptop
6. A home station running WinAPRS or equivalent software
7. #1 again but with a Tigertornics box instead of the KPC-3

That pretty much covers all the ways APRS is used locally.

Roy Bost
N5TAM
rbost@itexas.net

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350. [aprssig] Re: What's with EMERGENCY MESSAGES???

From: Steve Dimse <k4hg@tapr.org>
Date: Tue, 11 Jun 2002 16:30:56 -0400
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: TAPR APRS Special Interest Group <aprssig@lists.tapr.org>,
        TAPR APRS Special Interest Group <aprssig@lists.tapr.org>
Message-ID: <LYR842-84410-2002.06.11-16.07.43--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

On 6/11/02 3:06 PM, rbost@itexas.net (Roy Bost) wrote:

>1. Dumb tracker...2m radio, KPC-3, and a GPS with no display.

can't

>2. KWD D-700/7 and a GPS with no display

set the message number to 7 in the APRS menu

>3   KWD D-700/7, GPS with no display, and a laptop running WinAPRS or
>equivalent software.

can't

>4 Alinco DR-135 with built in TNC and a GPS with no display

can't

>5. #4 with a laptop

can't

>6. A home station running WinAPRS or equivalent software

can't

>7. #1 again but with a Tigertornics box instead of the KPC-3

not sure, but doubt it, and there is no front panel to set the message.

The only way to send a message that triggers these alarms is within the Mic-E format, and of the above choices, only 2 definitely does (just not sure what the tigertronics puts out). As I wrote when the story this was going to happen first broke, this may be an oversight in the spec. Perhaps there should be an emergency trigger that can be placed in any message, for example !e! or !911!(I'd allow !E!, no need to make it case sensitive).

Then at least any of the above with a computer could be made to send it. Of course, the user programs could also be modified to send the posits for emergency messages in the Mic-E format so no further protocol spec would be needed. The advantage of another packet would be more text could be included that the Mic-E protocol allows at the end.

If any new construct is agreed to I'll modify the emergency cgi of findU to accept it as well. In fact, if you really have the need, if you place this in any text string of a program:

/M7/

and it will appear on the page, but of course it will not trigger any other program, nor is it easy to remember. (This is the trigger for converted Mic-E packets.)

Steve K4HG

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351. [aprssig] Re: What's with EMERGENCY MESSAGES???

From: Bob Bruninga <bruninga@usna.edu>
Date: Tue, 11 Jun 2002 16:58:02 -0400 (EDT)
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: TAPR APRS Special Interest Group <aprssig@lists.tapr.org>
Message-ID: <LYR842-84414-2002.06.11-16.34.36--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

On Tue, 11 Jun 2002, Keith Kotch wrote:

> If I were pretty sure that it wasn't quite so easy (apparently) to
> accidentally transmit "EMERGENCY!" ...
>
> Yes, it's probably a statistical fact that most of the "EMERGENCY!" messages
> transmitted on APRS have been in error.

Or as a TEST and clearly marked as such.

But have you ever tried to send an Emergency on the Kenwood? When you dial in the EMergency code, it asks ARE YOU SURE? That seems pretty well protected. First you have to select menu, then you have to select comment, then you have to dial in emergency, then you have to hit OK, then you have to answer the above question.

If somone makes a mistake doing all that, then he is an emergency....

Bob

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352. [aprssig] Radio for APRS

From: Adi Linden <adil@adis.on.ca>
Date: Tue, 11 Jun 2002 16:07:41 -0500 (CDT)
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-84415-2002.06.11-16.44.14--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Hi,

I am new to APRS and I am in the process of setting up a APRS digipeater on 144.390.

For portable operations, does anyone know of a small single channel radio? I am looking for something with about 5 Watts out for a homebrew box using the TiniTrak device and a Garmin handheld GPS.

Thanks,
Adi
VA3ADI

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353. [aprssig] Re: What's with EMERGENCY MESSAGES???

From: Bob Bruninga <bruninga@usna.edu>
Date: Tue, 11 Jun 2002 17:13:38 -0400 (EDT)
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: TAPR APRS Special Interest Group <aprssig@lists.tapr.org>
Message-ID: <LYR842-84416-2002.06.11-16.50.32--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

On Tue, 11 Jun 2002, Roy Bost wrote:

> I've been watching all the hoopla for the last several days over Emergency
> Messages. I have a question that I'm sure I'm not the only one that needs
> to have answered.....How Do You Send An Emergency Message in the following
> conditions?:

The only things that can send "EMERGENCY!" are a Kenwood D700 or D7 or Mic-E or Pic-e or anthing else that uses the Mic-E protocol. I think only the Kenwoods have the "are-you-sure" layer of protection.

Probably the false alarms are coming from the other Mic-E's and Pic-e's that have no protection from an inadvertant setting. We thought about accepting the word EMERGENCY spelled out from any APRS MESSAGEING device, but each time it comes up, it all boils down to the same kind of bickering over what constitutes an "emregecny" and thus impossible to get agreement on it...

bob

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354. [aprssig] Re: Radio for APRS

From: Phil Reed <preed@dnaco.net>
Date: Tue, 11 Jun 2002 17:19:52 -0400
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-84417-2002.06.11-16.56.30--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

```
MFJ Dataradio fits the bill, with the proviso that you realize it doesn't
hear really well.

At 04:07 PM 6/11/2002 -0500, Adi Linden wrote:
>Hi,
>
>I am new to APRS and I am in the process of setting up a APRS digipeater
>on 144.390.
>
>For portable operations, does anyone know of a small single channel radio?
>I am looking for something with about 5 Watts out for a homebrew box using
>the TiniTrak device and a Garmin handheld GPS.
>
>Thanks,
>Adi
>VA3ADI


---

                                   ...phil / w8sca

"For a list of all the ways technology has failed
     to improve the quality of life, press 3."



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355. [aprssig] Re: Radio for APRS

From: "Roy Bost" <rbost@itexas.net>
Date: Tue, 11 Jun 2002 16:25:46 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-84418-2002.06.11-17.02.18--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

```
I think you're thinking about building a tracker not a digipeater...you dont
need a gps for a digipeater.  Probably the best radio, and easiest to find,
would be a 2m HT.  If you can afford it, the KWD d-7 is a good way to
start...has a built-in tnc.

Roy W. Bost
N5TAM
++++++++++++++++++++++++++
If there are no misspelled words,
then I've been plagiarized!
++++++++++++++++++++++++++




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```

356. [aprssig] Re: Radio for APRS

From: David VanHorn <dvanhorn@cedar.net>
Date: Tue, 11 Jun 2002 16:28:13 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-84419-2002.06.11-17.04.46--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

```
At 05:19 PM 6/11/2002 -0400, Phil Reed wrote:
>MFJ Dataradio fits the bill, with the proviso that you realize it doesn't
>hear really well.

For roughly the same price, the FT-1500 is a much better radio.
50W, not deaf as a post, not rockbound, etc.. It's even about the same size
```

as the dataradio.

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Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

---

357. [aprssig] Re: Radio for APRS

From: Adi Linden <adil@adis.on.ca>
Date: Tue, 11 Jun 2002 17:25:38 -0500 (CDT)
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: TAPR APRS Special Interest Group <aprssig@lists.tapr.org>
Message-ID: <LYR842-84425-2002.06.11-18.02.11--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

On Tue, 11 Jun 2002, David VanHorn wrote:
> For roughly the same price, the FT-1500 is a much better radio.
> 50W, not deaf as a post, not rockbound, etc.. It's even about the same
> size as the dataradio.

I am using an old commercial rig for the digipeater. Otherwise the
FT-1500
would probably be my choice.

I am looking to build a portable tracker using tinitrak and some sort of
small and inexpensive HT type radio. Low power consumption and inexpensive
are a must. Are there any well designed circuits/kits for a low power
single channel 2m tranceiver?

Adi

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358. [aprssig] Re: Radio for APRS

From: "Tim Schall" <grover@gateway.fortgirlfriend.com>
Date: Tue, 11 Jun 2002 15:25:31 -0700
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-84426-2002.06.11-18.02.20--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Yaesu FT-1500 in use at my digi in Seattle. (http://map.findu.com/sea)
Also works well as a mobile. Makes 50 or 60 watts of output and can be
throttled back in several steps, one of which is 5 watts. I got mine for
$129.00. ($149.00 - $20.00 coupon) at the local ham shop here in Seattle.
Not rock bound. Hears very well. Almost bullet proof as far as intermod
goes. It replaced an old Azden PCS-4000 up there and almost doubled the
digi's usable range due to it's lack of intermod issues.

The digi is located at the KCTS-TV tower in Seattle, WA. The hilltop is
home to three analog and three digital television stations. All stations
operate at full power with the exception of one 40kw DT. There is a 100kw
and a 6kw radio station. All within 200 feet of each other. Plus the usual
compliment of two-way/paging/public-safety junk. The radio works very well
in this enviroment.

----- Original Message -----
From: "Adi Linden" <adil@adis.on.ca>
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Sent: Tuesday, June 11, 2002 2:07 PM
Subject: [aprssig] Radio for APRS

> Hi,
>
> I am new to APRS and I am in the process of setting up a APRS digipeater
> on 144.390.
>
> For portable operations, does anyone know of a small single channel radio?
> I am looking for something with about 5 Watts out for a homebrew box using
> the TiniTrak device and a Garmin handheld GPS.
>
> Thanks,

```
> Adi
> VA3ADI
>
>
> ---
> You are currently subscribed to aprssig as: ka7pbi@fortgirlfriend.com
> To unsubscribe send a blank email to leave-aprssig-842K@lists.tapr.org
> Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org
>


---
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Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org
```

359. [aprssig] findu.com

```
From: Adi Linden <adi@adis.on.ca>
Date: Tue, 11 Jun 2002 17:58:41 -0500 (CDT)
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: TAPR APRS Special Interest Group <aprssig@lists.tapr.org>
Message-ID: <LYR842-84428-2002.06.11-18.35.13--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain
```

```
On Tue, 11 Jun 2002, Tim Schall wrote:
> Yaesu FT-1500 in use at my digi in Seattle.  (http://map.findu.com/sea)
> Also works well as a mobile.  Makes 50 or 60 watts of output and can be
> throttled back in several steps, one of which is 5 watts.  I got mine for
> $129.00.  ($149.00 - $20.00 coupon) at the local ham shop here in Seattle.
> Not rock bound.  Hears very well.  Almost bullet proof as far as intermod
> goes.  It replaced an old Azden PCS-4000 up there and almost doubled the
> digi's usable range due to it's lack of intermod issues.

How do stations appear on findu.com? When I run aprsd it connects to some
other hub sites. I understand this is the IGate function. Will sites
learned through the digipeater automatically be distributed and eventually
appear on findu.com? What's required to have the actual digipeater appear
on findu.com?

Sorry if this may seem trivial. But I have yet to find comprehensive
information on APRS. I am pulling together a lot of bits and pieces from
everywhere, but I have almost zero info on the IGate thing.

Adi


---
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```

360. [aprssig] is SA on?

```
From: "Bob K8YS & Janet N8LBR" <jbcraft@adelphia.net>
Date: Tue, 11 Jun 2002 12:42:11 -0400
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-84431-2002.06.11-18.48.58--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain
```

```
I have been off APRS for too long, is SA turned on again?

While watching from my hotel high above the SF Bay, the hotel moved a lot...
no, I thought of that too, but it was not an earthquake.

73 Bob K8YS


---
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Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org
```

361. [aprssig] Re: findu.com

```
From: Steve Dimse <k4hg@tapr.org>
Date: Tue, 11 Jun 2002 19:22:30 -0400
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: TAPR APRS Special Interest Group <aprssig@lists.tapr.org>,
       TAPR APRS Special Interest Group <aprssig@lists.tapr.org>
Message-ID: <LYR842-84432-2002.06.11-18.59.34--lyris.aprssig#tapr.org@lists.tapr.org>
```

Rendered body type: text/plain

On 6/11/02 5:58 PM, adi@adis.on.ca (Adi Linden) wrote:

>How do stations appear on findu.com?

Pure magic ;-)

Actually, findu connects to the APRS Internet System just as you do,
and all the data that is received gets parsed by a Perl program and
stored in a MySQL database (current size 20 GB, mostly data generated
in the last 90 days), when you request the page a program called a cgi
(common gateway interface) script written in Perl queries the
database, builds the page, and the Apache web server sends it to you.

>When I run aprsd it connects to
>some other hub sites. I understand this is the IGate function. Will
>sites learned through the digipeater automatically be distributed
>and eventually appear on findu.com?

As long as there is an IGate in range, yes.

>What's required to have the
>actual digipeater appear on findu.com?
>
Send a beacon out using the BTEXT function of the TNC, for an example
see:

http://www.findu.com/cgi-bin/find.cgi?call=kd4bbm-6

>Sorry if this may seem trivial. But I have yet to find comprehensive
>information on APRS.

Have you looked at Stan's books on APRS, available from the ARRL?
There are lots of good sites that cover various aspects, but the topic
is so large it really does take a book even do a decent survey of what
is out there.

>I am pulling together a lot of bits and pieces
>from everywhere, but I have almost zero info on the IGate thing.

There is some old but still viable technical stuff on vm.aprs.net,
papers that describe the basic principles. There isn't much out there
on the subject though, other than a few how-tos and such.

Steve K4HG

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---

362. [aprssig] Re: is SA on?

From: "Dennis" <walkerdh@telusplanet.net>
Date: Tue, 11 Jun 2002 17:23:59 -0600
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-84438-2002.06.11-19.00.35--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Lay off the coctails
----- Original Message -----
From: Bob K8YS & Janet N8LBR <jbcraft@adelphia.net>
To: TAPR APRS Special Interest Group <aprssig@lists.tapr.org>
Sent: Tuesday, June 11, 2002 10:42 AM
Subject: [aprssig] is SA on?

> I have been off APRS for too long, is SA turned on again?
>
> While watching from my hotel high above the SF Bay, the hotel moved a
lot...
> no, I thought of that too, but it was not an earthquake.
>
> 73 Bob K8YS
>
>
> ---
> You are currently subscribed to aprssig as: walkerdh@telusplanet.net
> To unsubscribe send a blank email to leave-aprssig-842K@lists.tapr.org

> Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org
>

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---

363. [aprssig] Great Servers for APRS+SA and WinAPRS internet

From: "hasan schiers" <schiers@netins.net>
Date: Tue, 11 Jun 2002 18:40:58 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-84440-2002.06.11-19.17.32--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Thanks to Dick, KB7ZVA, I am including two files that you can cut and paste into either WinAPRS or APRS+SA to give EXCELLENT connectivity to the internet for aprs. Paste them into your current file (name is different for the two programs) and comment out your old stuff. These use the javaAPRS servers and they work great!

For WinAPRS:

```
================ (Start below at # which signifies comment)

# Just copy and paste this file in notepad...
# Please use this replacement for your aprserve.txt
# It is designed to connects to the javAPRSSrvr Servers
# Make sure there is a <tab> between fields

# Full APRS feed:

aprswest.net 10152 Full feed APRSWest
ahubeast.net 10152 Full feed AHubEast
ahubca.net 10152 Full feed AHubCA

# These are the regional feeds:

aprswest.net 14579 APRSWest Western States coverage
ahubeast.net 14579 AHubEast Eastern States
ahubca.net 14579 AHubCA California

# This is a special port just for ALL weather stations:

aprswest.net 23 Weather Server ALL WX and CW Users

=============== (end with last blank line)
```

Notes: WinAPRS requires a reboot to read in the new serverfile. The file is located in the \WinAPRS directory   (where winaprs.exe is)

Comment out with a # the servers you are not interested in. If you only want full feed servers, then you only need the first 3 listed in the example above.
****

For APRS+SA:

```
================(Start below, comments start with ; (semi-colon)
;
; Comment Lines begin with a ;
; javAPRSSSrvr Servers from kb7zva
;
;Full Feed Servers
;
aprswest.net:10152
ahubeast.net:10152
ahubca.net:10152
;

==============(End with last line with semi-colon)
```

Notes:

The aprs server file is located in: \APRS+SA\data   directory.
APRS+SA will load the file directly, without shutting down the program and restarting. All you have to do is close the internet connection and when you re-open it, the new list of servers apprears.

Notice that the syntax for APRS+SA is different than WinAPRS. WinAPRS uses TABS for separators, while APRS+SA uses a colon with no spaces.

Setup > Internet > you'll see the entries in a drop down menu.

****

Hope this helps ...it sure did me. 73 and a big thanks to Dick and the person that wrote the new server code.

hasan schiers, N0AN

schiers@netins.net
or use amsat.org or arrl.net remailer

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364. [aprssig] How to capture serial data in LINUX

From: "Andrew Rich" <andrew.rich@bigpond.com>
Date: Wed, 12 Jun 2002 10:51:09 +1000
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-84442-2002.06.11-20.27.33--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

LINUX School is IN !

Some people may not know but you can do this under linux:-

1. Hook up your TNC to the serial port
2. This will sometimes be /dev/ttyS0 (com1) /dev/ttyS1 (com2)

I found I needed to turn echo off on my com port

```
  stty -F /dev/ttyS0 -echo
```

Watch packets on the screen

```
  cat /dev/ttyS0
```

Capture packets to a file (append is ">>" , background process is "&")

```
  cat /dev/ttyS0 >> aprs.log &
```

Watch packets on the screen from the aprs.log

```
  tail -f aprs.log
```

Filter out just VK4 stations

```
  tail -f aprs.log | grep "VK4"
```

Filter out PCSAT packets

```
  tail -f aprs.log | grep "W3ADO"
```

Extract VK4TEC out to a log

```
  cat aprs.log | grep "VK4TEC" >> vk4tec.log
```

Re-direct packets out another TNC

```
  cat /dev/ttyS0 > /dev/ttyS1
```

Because LINUX is so stable, makes for a good logging platform, and with the power of shell programming you can do most anything.

Andrew

Andrew Rich
Callsign: VK4TEC
andrew.rich@bigpond.com

vk4tec@bigpond.com
www.users.bigpond.com/andrew.rich/vk4tec.htm

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Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

---

365. [aprssig] Re: How to capture serial data in LINUX

From: Steve Dimse <k4hg@tapr.org>
Date: Tue, 11 Jun 2002 21:24:26 -0400
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: TAPR APRS Special Interest Group <aprssig@lists.tapr.org>
Message-ID: <LYR842-84443-2002.06.11-21.01.20--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

On 6/12/02 10:51 AM, andrew.rich@bigpond.com (Andrew Rich) wrote:

>Filter out PCSAT packets

actually extract is the better term, any line containing W3ADO will be printed. Of course, since you really want lines beginning with W3ADO or PCSAT, fortunately grep understands regular expression...you can use this for a more selective test for PCSat packets:

```
   tail -f aprs.log | grep "^W3ADO"
```

regex is a bit of a steep learning curve, but the power is absolutely amazing after you have some concepts mastered.

telnet can allow you to see the live stream, not just the log or tnc data:

This line prints out all the live packets that do not start with K, W, N, or A...a quick and very inexact way to remove US licensed stations from the feed:

```
telnet second.aprs.net | grep "^[^KWNA]"
```

lots of internet sources to learn about regular expressions if this grabs your interest.

>with the power of shell
>programming you can do most anything.
>
And everything else can be done with Perl, MySQL, and Apache!

Steve K4HG

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---

366. [aprssig] HT Satellite ops & PCsat

From: Bob Bruninga <bruninga@usna.edu>
Date: Tue, 11 Jun 2002 22:01:03 -0400 (EDT)
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: amsat-bb@amsat.org
Message-ID: <LYR842-84445-2002.06.11-21.37.36--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

PCsat is now into its 3rd day of full sun and normal ops, and we are seeing a few APRS users on each pass. On the late afternoon pass, I saw WA1KAT, K8TPH and W3AFE. On the after sunset pass I saw XE2KH, KH6JJD (on a barefoot D7) N2JXP AND N9IDH-9.

During a pass, I just go sit in my car with my D700, watch who is on, exchange a few mesages and enjoy the evening air. I notice just about 100% of my packets are digipeated, and I saw at least a dozen from the barefoot D7. There is no congestion at all. Its wide open..

PCsat is going over everywhere on earth this week 3 times centered on Sun Rise and 3 times centerd on sunset. Enjoy...

P.S. Unrelated, today I worked several stations on UO14 using only the 5 Watt HT and a 19" whip on the uplink... (30 deg or so pass)....

de WB4APR@amsat.org, Bob

```
PCsat WEB  page     http://www.ew.usna.edu/~bruninga/pcsat.html
ISS-APRS FAQ:       http://www.ew.usna.edu/~bruninga/iss-faq.html
CUBESAT Designs     http://www.ew.usna.edu/~bruninga/cubesat.html
APRS LIVE pages     http://www.ew.usna.edu/~bruninga/aprs.html
APRS SATELLITES     http://www.ew.usna.edu/~bruninga/astars.html


---
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```

---

367. [aprssig] UCSD Tracking via PDA & WiFi

From: Mark Fellhauer <sparkfel@qwest.net>
Date: Tue, 11 Jun 2002 21:35:46 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-84447-2002.06.11-22.13.30--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

```
http://www.salon.com/tech/feature/2002/06/11/stalker_tech/index.html?x



---
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```

---

368. [aprssig] Re: What's with EMERGENCY MESSAGES???

From: "Brian B. Riley \(N1BQ\) ListAcct" <n1bq_list@wulfden.org>
Date: Tue, 11 Jun 2002 23:23:18 -0400
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-84451-2002.06.11-23.00.00--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

```
I caught last Saturday's test while up on a ladder around the opposite side
of the house from my D700 in my truck. I could clearly hear 'the ruccus.' I
was not even listening for it, I had forgotten there was to be a second
test.

 cheers, n1bq

-----Original Message-----
From: bounce-aprssig-25883@lists.tapr.org
[mailto:bounce-aprssig-25883@lists.tapr.org]On Behalf Of Bob Bruninga
Sent: Tuesday, June 11, 2002 1:14 PM
To: TAPR APRS Special Interest Group
Cc: TAPR APRS Special Interest Group
Subject: [aprssig] Re: What's with EMERGENCY MESSAGES???


On Tue, 11 Jun 2002, Ronald Reams wrote:

> How many out there in APRS land stare at the CRTs to look for
> emergency messages?

In APRS, such an emergeny is supposed to ring bells and make a such
nuisance that no one will miss it.  Even someone in the other room will be
alerted to the ruccuas.  APRSdos begins beeping and then redraws the map
centered on the emergecny...  The noise wll not go away until the operator
acknowledges the emergency by selecting the Emergency station, or by
hitting OPS-CANCEL

Bob



---
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---
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```

Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

369. [aprssig] Re: is SA on?

From: John Vause <jdv@iglou.com>
Date: Tue, 11 Jun 2002 23:40:10 -0400
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: TAPR APRS Special Interest Group <aprssig@lists.tapr.org>
Message-ID: <LYR842-84453-2002.06.11-23.16.41--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

```
Maybe bad satellite geometry.

Yes, SA has been turned off since 5/1/2000. Arguably one of the very
FEW good things Slick Willie ever did while in office.

73

Bob K8YS & Janet N8LBR wrote:
>
> I have been off APRS for too long, is SA turned on again?
>
> While watching from my hotel high above the SF Bay, the hotel moved a lot...
> no, I thought of that too, but it was not an earthquake.
>
> 73 Bob K8YS
>
> ---
> You are currently subscribed to aprssig as: JDV@IGLOU.COM
> To unsubscribe send a blank email to leave-aprssig-842K@lists.tapr.org
> Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

--
* John Vause  KF4ERV  jdv@igloudot.com                *
* NOTE: email address altered for benefit of Spambots *
* My favorite law: The Law of Unintended Consequences *
*                               -- John Vause          *
--

---
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Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org
```

370. [aprssig] Re: Radio for APRS

From: "Ray McKnight - WB3ABN" <shortsheep@worldnet.att.net>
Date: Tue, 11 Jun 2002 20:43:01 -0700
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: <aprssig@tapr.org>
Message-ID: <LYR842-84454-2002.06.11-23.19.47--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

```
You can usually find a used radio Shack HTX-202 2mtr HT on eBay or at a
Hamfest for around $60-$75.  With a 13.8v power source it gives you 6
watts out, the receiver is hot except for intermod susceptibility, and
the receiver doesn't draw a ton of power.  Or you could build a
Hamtronics single channel RX/TX pair, but they'll cost you more $ after
you buy the xtals.

73's
Ray - WB3ABN
Kingston, WA


-----Original Message-----
From: bounce-aprssig-29143@lists.tapr.org
[mailto:bounce-aprssig-29143@lists.tapr.org] On Behalf Of Adi Linden
Sent: Tuesday, June 11, 2002 15:26
To: TAPR APRS Special Interest Group
Cc: TAPR APRS Special Interest Group
Subject: [aprssig] Re: Radio for APRS

On Tue, 11 Jun 2002, David VanHorn wrote:
> For roughly the same price, the FT-1500 is a much better radio.
> 50W, not deaf as a post, not rockbound, etc.. It's even about the same

> size as the dataradio.

I am using an old commercial rig for the digipeater. Otherwise the
FT-1500
```

would probably be my choice.

I am looking to build a portable tracker using tinitrak and some sort of

small and inexpensive HT type radio. Low power consumption and
inexpensive
are a must. Are there any well designed circuits/kits for a low power
single channel 2m tranceiver?

Adi

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To unsubscribe send a blank email to leave-aprssig-842K@lists.tapr.org
Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

---
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To unsubscribe send a blank email to leave-aprssig-842K@lists.tapr.org
Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

371. [aprssig] Smart Beacon for Kenwood

From: "Wes Johnston" <wes@johnston.net>
Date: Tue, 11 Jun 2002 23:55:15 -0400
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-84457-2002.06.11-23.32.09--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Just a quick code snippet.... untested... compiles error free. Pic Basic
Pro can be had for free at www.melabs.com
Wes

```
' Smart beaconing for the PIC processor
' Wes Johnston, kd4rdb
' Hook this to the same GPS which is connected to your kenwood radio via a Y
cable.
' The PIC processor will harvest GPRMC sentences from your GPS.
' When this SmartBeacon device decides the time is right to beacon, it will
toggle
' the kenwood's beacon mode causing it in turn to beacon your position.
' Plug the output of this unit into the serial connector on the kenwood
radio.
' Thanks Steve Bragg KA9MVA and Tony Arnerich KD7TA.

' Yet untested, but compiles error free in Pic Basic Pro.

' Later Revisions may include ability to change SB parms on the fly, Auto
' dimming the Kenwood display brightness and GPRMC error checking.

' Define all variables
beacon_secs   var word
dif    var word
secs_since_beacon  var word
speed    var word
turn_min   var word
turn_slope   var word
turn_time   var word
beacon_fast   var word
beacon_stop   var word
low_speed   var word
high_speed   var word
old_heading   var word
heading   var word
turn_threshold   var word

' Init all values
beacon_secs  =60
dif    =0
secs_since_beacon  =0
speed   =0
old_heading  =0
heading   =0
turn_threshold   =0

'Smart Beacon Parms
```

```
turn_min  =14 ' Min turn angle threshold for corner pegging
turn_slope  =255 ' Min turn angle threshold for corner pegging
turn_time  =5 ' Time between corner peg and any beacon (SEC)
beacon_fast  =60 ' Fast Beacon Rate (SECONDS)
beacon_stop  =30 ' Stopped Beacon Rate (MINUTES)
low_speed  =2 ' Low speed threshold (MPH)
high_speed  =60 ' High speed threshold (MPH)

mainloop:

' update our seconds since last beacon timer once a second, regardless of
gps data rate
secs_since_beacon=secs_since_beacon+1

' check to see if we need to beacon yet
if secs_since_beacon>beacon_secs then
 secs_since_beacon=0
 old_heading = heading
 serout2 porta.1,84,["BE 0",13]
 pause 500
 serout2 porta.1,84,["BE 1",13]
endif

' Wait 1 second for GPRMC.  Collect SPEED and HEADING.
serin2 porta.2, 188,1000,mainloop,
[wait("GPRMC,"),wait(","),wait(","),wait(","),wait(","),wait(","),
wait(","),dec heading,dec speed]
' baud rates 4800 = 188, 9600 = 84

 if speed < low_speed then
  beacon_secs = beacon_stop * 60
 else
  if speed > high_speed then
   beacon_secs = beacon_fast
  else
   beacon_secs = beacon_fast * high_speed / speed
  endif

  turn_threshold = (turn_min + turn_slope) / speed
  dif = abs(old_heading - heading)
  if dif > 180 then
   dif=360-dif
  endif
  if dif > turn_threshold and secs_since_beacon > turn_time then
   secs_since_beacon = 32766
  endif
 endif

goto mainloop
```

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---

372. [aprssig] Re: findu.com

From: Adi Linden <adi@adis.on.ca>
Date: Tue, 11 Jun 2002 23:29:03 -0500 (CDT)
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: TAPR APRS Special Interest Group <aprssig@lists.tapr.org>
Message-ID: <LYR842-84471-2002.06.12-00.05.53--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

> >How do stations appear on findu.com?
>
> Pure magic ;-)

Ok, so findu.com really is just another APRS node except that it logs the data and displays it in pretty ways.

> As long as there is an IGate in range, yes.

There are no IGates or APRS digipeaters where I am. So I want to setup my own using a KPC-3 and aprsd on a Linux box.

> Have you looked at Stan's books on APRS, available from the ARRL?

I will check it out. I found some interesting APRS documents on the ARRL website. Didn't check there before.

Thanks,
Adi

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Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

373. [aprssig] Re: findu.com

From: Adi Linden <adil@adis.on.ca>
Date: Tue, 11 Jun 2002 23:30:25 -0500 (CDT)
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-84472-2002.06.12-00.07.11--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

> >How do stations appear on findu.com?
>
> Pure magic ;-)

Ok, so findu.com really is just another APRS node except that it logs the data and displays it in pretty ways.

> As long as there is an IGate in range, yes.

There are no IGates or APRS digipeaters where I am. So I want to setup my own using a KPC-3 and aprsd on a Linux box.

> Have you looked at Stan's books on APRS, available from the ARRL?

I will check it out. I found some interesting APRS documents on the ARRL website. Didn't check there before.

Thanks,
Adi

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374. [aprssig] How does a program get a Beacon Destination?

From: Dave Kaplan <dkaplan@steffeninc.com>
Date: Wed, 12 Jun 2002 06:07:21 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-84524-2002.06.12-06.43.59--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

From the UIDIGI FAQ for version 1.8 (just released today):

Q. Why UIDIGI use APZxxx as beacon destination instead of APRS?

A: I use APZxxx becouse in the APRS Spec is indicated for experimental software, I've already asked to Bob Bruninga how to obtain an unique destination address for my firmware, but I never received answer...

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Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

375. [aprssig] Re: findu.com

From: "Bruce W. Martin" <aprssig@almostanywhere.com>
Date: Wed, 12 Jun 2002 06:47:35 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: TAPR APRS Special Interest Group <aprssig@lists.tapr.org>
Message-ID: <LYR842-84527-2002.06.12-07.24.02--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

At 11:29 PM 6/11/2002 -0500, Adi Linden wrote:

<snip>

>There are no IGates or APRS digipeaters where I am. So I want to setup my

>own using a KPC-3 and aprsd on a Linux box.

You may also want to check out:
<http://www.rimboy.com/rimdistro/rimigate/>
Sean has made a linux boot disk with the APRSd server software all fitting on one disk. A 486 with a floppy, a serial port and a NE2000 or 3c509 network card and your in business. I am running one at my house which is in a dead zone and out of range of any nearby digis. Nearby travelers still get into APRS-IS from here.

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376. [aprssig] Getting GPS data

From: Earl Needham <needhame@yucca.net>
Date: Wed, 12 Jun 2002 08:11:07 -0600
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-84544-2002.06.12-09.48.04--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

A good friend of mine just got a new-to-him used laptop, with only one serial port. He wants to use it for mobile APRS, and I'm thinking there might be a way to connect the TNC through the serial port, and connect the GPS through either the parallel port, or else the PCM/CIA (or whatever that abbreviation is) port.

Any help from the list?

Thanks,
Earl

Earl Needham, KD5XB, Clovis, New Mexico DM84jk
KD5XB-2>APW251,PCSAT-1*:=3425.83N/10313.55W-PHG7150/WinAPRS 2.5.1
-EARL_CLOVIS -251-<630>
Did you get a letter from Nigeria offering a "deal"? See
http://home.rica.net/alphae/419coal/ and
http://www.crimes-of-persuasion.com/Crimes/Business/nigerian.htm

---
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377. [aprssig] APRS in Japan

From: Bob Bruninga <bruninga@usna.edu>
Date: Wed, 12 Jun 2002 10:23:25 -0400 (EDT)
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: amsat-bb@amsat.org, TAPR APRS SIG <aprssig@lists.tapr.org>
Message-ID: <LYR842-84547-2002.06.12-10.00.11--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

APRS in Japan,

The casual observer of the ISS and PCsat downlinks will notice that there is lots of APRS style activity in the USA, Europe, and Australia/New Zealand. But notably absent is the big HAM radio country of Japan. See the live downlink pages:

ISS: http://www.ariss.net
PCsat: http://pcsat.aprs.org

We are finally beginning to see some activity to bring Japan into the worldwide 1200 baud UI digipeating AX.25 packet system via these two satellites and to also join in the worldwide APRS linked communications and tracking system. There is now an active APRS internet gateway JA1YKX operating in Yokohama and also feeding PCsat dowlinks into the APRS system.

To see a world map of APRS acitivy go to this page:

http://www.findu.com/cgi-bin/dmap.cgi

And when the USA map comes up showing all stations on the air, then ZOOM

```
out several times to see the rest of the world activity.   This map is not
very good because it does not show the world outlines, but anyone can set
up a live APRS web page.  See how on Steve Dimse's
http://www.findu.com/new.html

The reason that JAPAN is not on APRS is because they developed a system
ham radio system called NAVITRA for GPS position reporting but since it
did not do all the other things like Messsages and Email, and Telemetry,
and WEB pages that APRS does, it did not catch on...  But now that APRS is
global, maybe it is time to abandon  NAVITRA and integrate them into the
rest of the worldwide system...

Just a thought...

de WB4APR, Bob

PCsat WEB  page     http://www.ew.usna.edu/~bruninga/pcsat.html
ISS-APRS FAQ:       http://www.ew.usna.edu/~bruninga/iss-faq.html
APRS LIVE pages     http://www.ew.usna.edu/~bruninga/aprs.html
APRS SATELLITES     http://www.ew.usna.edu/~bruninga/astars.html


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```

378. [aprssig] RE: Getting GPS data

From: LAIRD STANTON <LAIRD_STANTON@alexandria-emh1.army.mil>
Date: Wed, 12 Jun 2002 10:21:35 -0400
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-84548-2002.06.12-10.02.13--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

```
Might be able to use the alternate data lines in the com1: port, or the
external mouse port for one of your channels.

Laird
N3HLL

   -----Original Message-----
   From:   Earl Needham <needhame@yucca.net>@AMC
   Sent:   Wednesday, June 12, 2002 7:11 AM
   To:     "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
   Subject:  [aprssig] Getting GPS data

   (Embedded image moved to file: pic20532.pcx)

      A good friend of mine just got a new-to-him used laptop, with only
   one
   serial port.  He wants to use it for mobile APRS, and I'm thinking
   there
   might be a way to connect the TNC through the serial port, and
   connect the
   GPS through either the parallel port, or else the PCM/CIA (or
   whatever that
   abbreviation is) port.

      Any help from the list?

      Thanks,
      Earl


   Earl Needham, KD5XB, Clovis, New Mexico  DM84jk
   KD5XB-2>APW251,PCSAT-1*:=3425.83N/10313.55W-PHG7150/WinAPRS 2.5.1
   -EARL_CLOVIS -251-<630>
   Did you get a letter from Nigeria offering a "deal"?  See
   http://home.rica.net/alphae/419coal/ and
   http://www.crimes-of-persuasion.com/Crimes/Business/nigerian.htm


   ---
   You are currently subscribed to aprssig as: lstanton@hqamc.army.mil
   To unsubscribe send a blank email to
   leave-aprssig-842K@lists.tapr.org
   Questions regarding the SIG go to the SIG administrator:
   wa1lou@tapr.org
```

[Attachment: pic20532.pcx; application/octet-stream; 2,707 bytes]

379. [aprssig] Re: APRS in Japan

From: Steve Dimse <k4hg@tapr.org>
Date: Wed, 12 Jun 2002 10:37:16 -0400
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: TAPR APRS Special Interest Group <aprssig@lists.tapr.org>,
        amsat-bb@amsat.org
Message-ID: <LYR842-84549-2002.06.12-10.15.12--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

```
On 6/12/02 10:23 AM, bruninga@usna.edu (Bob Bruninga) wrote:

>To see a world map of APRS acitivy go to this page:
>
> http://www.findu.com/cgi-bin/dmap.cgi
>
>And when the USA map comes up showing all stations on the air, then
>ZOOM out several times to see the rest of the world activity.   This
>map is not very good because it does not show the world outlines,
>but anyone can set up a live APRS web page.  See how on Steve
>Dimse's http://www.findu.com/new.html
>
You can specify the world map, here is a view of that part of the
world:

http://www.findu.com/cgi-bin/dmap.cgi?zoom=1&offsetx=934&offsety=145&
map=world.mp&scale=0.06&last=24

Steve K4HG

---
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```

380. [aprssig] BMW K1200RS APRS Setup

From: "Clayon H. Owen" <aa3jy@winlink.org>
Date: Wed, 12 Jun 2002 9:46:50
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-84550-2002.06.12-10.23.23--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

```
Looking for info(cable routing,RFI,etc.) from those with APRS setup
experience on this 'Monster' of a machine!!

AA3JY

---
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381. [aprssig] Re: Getting GPS data

From: "Mike Yetsko" <myetsko@insydesw.com>
Date: Wed, 12 Jun 2002 11:01:03 -0400
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-84551-2002.06.12-10.38.58--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

```
Serial PCMCIA cards are available, but kind of pricey.  Be aware too
that PCMCIA slots only have ONE interrupt, so if you get a 2-channel
serial card, it will SHARE the interrupt.  (Real Time Devices in St
College
PA is one of the places that sells serial PCMCIA cards.)

Not a big deal for windows drivers, but for 'dos compatible' interfaces
it's a really big deal.

Also be aware that a LOT of 'setups' will try to put PCMCIA com
ports out past the first 2.  You may have to juggle the internal serial
ports to make at least the first PCMCIA com port appear in a 'generic'
sense so that a DOS program can pick it up.  This is usually a problem
on laptops that have a serial port and an IR port.  The original setup
will usually default to them being COM1 and COM2 and using IRQ4
and IRQ3.  If possible, either disable the IR, or make it one of the
ports that 'shares' IRQ4 with COM1 serial port, then the PCMCIA
com port should 'drop in' at the usual COM2 address with IRQ3, and
work with generic DOS utilities.
```

```
Mike


----- Original Message -----
From: "Earl Needham" <needhame@yucca.net>


>
> A good friend of mine just got a new-to-him used laptop, with only one
> serial port.  He wants to use it for mobile APRS, and I'm thinking there
> might be a way to connect the TNC through the serial port, and connect
the
> GPS through either the parallel port, or else the PCM/CIA (or whatever
that
> abbreviation is) port.
>
> Any help from the list?
>
> Thanks,
> Earl



---
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```

382. [aprssig] Re: Getting GPS data

From: Mark Phillips <g7ltt@g7ltt.com>
Date: Wed, 12 Jun 2002 11:17:51 -0400
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-84552-2002.06.12-10.54.39--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

```
Do you have USB available? If not perhaps you could acquire a USB to PCMCIA
card and then add USB<>Serial adaptors? I use 5 of them on my radio machine
here at the house and it all works fin. Beware however that not all comms
programms can address more than the first 4 serial ports. Some of them can't
talk past 2.

Mark Phillips, G7LTT/KC2ENI
Randolph, NJ 07869

> > A good friend of mine just got a new-to-him used laptop, with only one
> > serial port.  He wants to use it for mobile APRS, and I'm thinking there
> > might be a way to connect the TNC through the serial port, and connect
> the
> > GPS through either the parallel port, or else the PCM/CIA (or whatever
> that
> > abbreviation is) port.
> >
> > Any help from the list?
> >
> > Thanks,
> > Earl
>



---
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383. [aprssig] aprsd and IGate

From: Adi Linden <adil@adis.on.ca>
Date: Wed, 12 Jun 2002 10:44:46 -0500 (CDT)
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-84554-2002.06.12-11.21.16--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

```
I setup aprsd on my Linux box. BTEXT in the attached TNC has been
configured. Also, there is a "NetBeacon" setting in "aprsd.conf" which I
set.

How do I go about connecting this digipeater to an IGate to sent my
information and information heard on RF to the world? My aprsd connects to
anotherIGate but doesn't send anything.
```

There is also a "servercall aprsdXXX" what would I set this to?

Just to clarify, I am in Northern Ontario, the nearest APRS digipeater is about 450km away. I won't be reaching that one over 2m. So I would like to get a local aprs digipeater started that is connected to the rest of the world.

Adi
VA3ADI

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Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

384. [aprssig] Re: APRS in Japan

From: Bob Bruninga <bruninga@usna.edu>
Date: Wed, 12 Jun 2002 12:54:50 -0400 (EDT)
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: TAPR APRS Special Interest Group <aprssig@lists.tapr.org>,
        <amsat-bb@amsat.org>
Message-ID: <LYR842-84560-2002.06.12-12.31.27--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

On Wed, 12 Jun 2002, Steve Dimse wrote:

> >To see a world map of APRS acitivy go to this page:

> You can specify the world map, here is a view of that part of the
> world:
> http://www.findu.com/cgi-bin/dmap.cgi?zoom=1&offsetx=934&offsety=145&
> map=world.mp&scale=0.06&last=24

Thanks. I didnt have much time when I first wrote that. The one thing I wanted to post in that message was the "world" map view that shows everyone live at once. Just to get the big picture.

Since we lost www.APRS.NET, I have not found a suitable replacement. I had one for a while, at some university, but it seems to be down now...

ANy good ideas? Thanks...

Oh, And I did check your FINDU.COM site of "new things" before I made that post and didnt find any reference to these maps (or overlooked it)...

Thanks

Bob

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Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

385. [aprssig] Re: APRS in Japan

From: Steve Dimse <k4hg@tapr.org>
Date: Wed, 12 Jun 2002 12:59:00 -0400
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: TAPR APRS Special Interest Group <aprssig@lists.tapr.org>,
        amsat-bb@amsat.org
Message-ID: <LYR842-84561-2002.06.12-12.35.59--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

On 6/12/02 12:54 PM, bruninga@usna.edu (Bob Bruninga) wrote:

>ANy good ideas? Thanks...
>
That is what the dmap is supposed to accomplish once it is released.

>Oh, And I did check your FINDU.COM site of "new things" before I
>made that post and didnt find any reference to these maps (or
>overlooked it)...
>
That is because it never was released, I mentioned it on the SIG as a coming attraction, but I do not consider it ready for release.

Steve K4HG

---
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Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

386. [aprssig] Re: APRS TOCALLs and software versions

From: Bob Bruninga <bruninga@usna.edu>
Date: Wed, 12 Jun 2002 13:00:57 -0400 (EDT)
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-84562-2002.06.12-12.37.47--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

On Wed, 12 Jun 2002, Dave Kaplan wrote about the UIDIGI TOCALL:

> A: I use APZxxx becouse in the APRS Spec is indicated for experimental
> software, I've already asked to Bob Bruninga how to obtain an unique
> destination address for my firmware, but I never received answer...

OOps, Sorry, we updated the TOCALL lists back in May, I assumed that
UIDIGI would use one of the APN codes set aside for nodes and digipeaters.
I would suggest APNUxx... Here is the list.. with that addition:

```
> APA A-Filter, Alinco, etc
>     APAFxx  AFilter.
>     APAGxx  AGATE
>     APAXxx  AFilterX.
>     APAHxx  AHub
> APB avail
> APC Windows CE, etc
> APD APRSd, etc
      APDTxx  APRStouch Tone (DTMF)
> APE avail
> APF avail
> APG Gates, etc
> APH HamHud, etc
> API Icom, etc
>     APICQx for ICQ
> APJ JavaAPRS,JeAPRS,etc
> APK Kenwood, etc
>     APK0xx THD7's
>     APK1xx D700's
> APL Liunx applications
> APM MacAPRS, etc
> APN Network nodes, digis, etc
>     APNU-UIdigi
> APO APRSpoint
> APP pocketAPRS, etc
> APQ avail
> APR APR8xx APRSdos,etc
>     APRDxx APRSdata, APRSdr
>     APRKxx APRStk
>     APRS   Generic, (obsolete. Digis should use APNxxx instead)
>     APRXxx APRSmax
>     APRTLM used my MIM's and Mic-lites, etc
> APS APRS+SA, etc
> APT TinyTrack
>     APTTxx Tiny Track
>     APT2xx Tiny Track II
>     APTAxx K4ATM's tiny track
>     APTV for ATV/APRN and SSTV applications
> APU UIview, etc
>     APU1xx UIview 16 bit applications
>     APU2xx UIview 32 bit apps
> APV avail
> APW WinAPRS, etc
> APX Xaprs, etc
> APY etc, Yeasu, etc
> APZ Experimental
>     APZ0xx Xastir
>     APZPAD Smart Palm

> WB4APR, Bob
```

---

```
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```

387. [aprssig] Re: Getting GPS data

From: "Kurt A. Freiberger" <kurt@badgers-hill.net>
Date: Wed, 12 Jun 2002 12:04:10 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-84563-2002.06.12-12.40.49--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

```
On Wed, 12 Jun 2002 11:17:51 -0400
Mark Phillips <g7ltt@g7ltt.com> wrote:

> Do you have USB available? If not perhaps you could acquire a USB to PCMCIA
> card and then add USB<>Serial adaptors? I use 5 of them on my radio machine
> here at the house and it all works fin. Beware however that not all comms
> programms can address more than the first 4 serial ports. Some of them can't
> talk past 2.

Speaking of which, does anybody know of a source of PCMCIA <--> USB cards that
are NOT of the CardBus (wide data path) variety?  I'd settle for one that would do
both CardBus (31 bit) and PCMCIA (16 bit) interfaces.  It'd breathe new life into my
Compaq Aeros.

73/Kurt
--
Kurt A. Freiberger     Austin, TX       kurt@badgers-hill.net
Amateur Radio Callsign WB5BBW           AIM Handle: WB5BBW
512/251-0759 (home)     512/970-7026 (cell)
NOTE: My address has changed from WB5BBW@AIRMAIL.NET.  Please
      update your address book.

---
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```

388. [aprssig] Re: What's with EMERGENCY MESSAGES???

From: "Doug Younker" <dougy@ruraltel.net>
Date: Tue, 11 Jun 2002 23:11:36 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: "APRS Sig" <aprssig@lists.tapr.org>
Message-ID: <LYR842-84566-2002.06.12-12.53.30--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

```
----- Original Message -----
From: "Ronald Reams" <wa4mjf@worldnet.att.net>
:
: How many out there in APRS land stare at the CRTs to look for
: emergency messages?
:
: 73 de Ronnie

I think you are getting closer to the point where aprs may have a slight
advantage over telephony, Ronnie.  Yes few are able to monitor to see a text
call for help and likewise there are times one can't generally devote all
their attention to listening to the radio and many times the radio will be
required to turned off or the volume lowered. An APRS application's alarm
will allow you to go about your business quietly and notify you of an
emergency the way your telephone notifies you when some wants to speak with
you.  While it's helpful to know the nature of the emergency to get the
proper help quickly as possible but, to address Keith, KF4BXT's comments "
might be testing the "system" just to see if anyone is watching/listening.",
also it's helpful to know that the emergency transmission is a test
requiring NO response   Sometime back I discovered that the emergency
response activities of AR are known by the public safety and law enforcement
communities is at a level  I never realized and getting back to the post
that started this thread, any system that cries wolf once too often doesn't
serve APRS in particular or Amateur Radio in general.--73


Doug, N0LKK
 dougy@ruraltel.net




---
```

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Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

389. [aprssig] Re: What's with EMERGENCY MESSAGES???

From: "Doug Younker" <dougy@ruraltel.net>
Date: Wed, 12 Jun 2002 00:29:33 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-84567-2002.06.12-12.53.51--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Wouldn't anyone intent on conducting an exercise go through the steps
neccessary to have the Kenwood transmit the test signal? Now I'm back to
Spyder Jim's original comments on indiscriminate test distress signals,
where anyone monitoring has no clue it's an exercise.--73
Doug, N0LKK
 dougy@ruraltel.net
----- Original Message -----
From: "Bob Bruninga" <bruninga@usna.edu>
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Sent: Tuesday, June 11, 2002 3:58 PM
Subject: [aprssig] Re: What's with EMERGENCY MESSAGES???
:
: But have you ever tried to send an Emergency on the Kenwood? When
: you dial in the EMergency code, it asks ARE YOU SURE? That seems pretty
: well protected. First you have to select menu, then you have to select
: comment, then you have to dial in emergency, then you have to hit OK, then
: you have to answer the above question.
:
: If somone makes a mistake doing all that, then he is an emergency....
:
: Bob
:
:
:
: ---
: You are currently subscribed to aprssig as: dougy@ruraltel.net
: To unsubscribe send a blank email to leave-aprssig-842K@lists.tapr.org
: Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org
:

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Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

390. [aprssig] Re: What's with EMERGENCY MESSAGES???

From: "Doug Younker" <dougy@ruraltel.net>
Date: Wed, 12 Jun 2002 00:34:53 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-84568-2002.06.12-12.54.07--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

----- Original Message -----
From: "Ronald Reams" <wa4mjf@worldnet.att.net>

How many out there in APRS land stare at the CRTs to look for
emergency messages?

73 de Ronnie

I think you are getting closer to the point where aprs may have a slight
advantage over telephony, Ronnie. Yes few are able to monitor to see a text
call for help and likewise there are times one can't generally devote all
their attention to listening to the radio and many times the radio will be
required to turned off or the volume lowered. An APRS application's alarm
will allow you to go about your business quietly and notify you of an
emergency the way your telephone notifies you when some wants to speak with
you. While it's helpful to know the nature of the emergency to get the
proper help quickly as possible but, to address Keith, KF4BXT's comments "
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also it's helpful to know that the emergency transmission is a test
requiring NO response Sometime back I discovered that the emergency
response activities of AR are known by the public safety and law enforcement
communities is at a level I never realized and getting back to the post
that started this thread, any system that cries wolf once too often doesn't
serve APRS in particular or Amateur Radio in general.--73

.

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391. [aprssig] Re: Getting GPS data

From: "Mike Yetsko" <myetsko@insydesw.com>
Date: Wed, 12 Jun 2002 13:49:46 -0400
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-84569-2002.06.12-13.27.37--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

I seriously doubt you will find one. Just by it's nature, USB is a PCI
device, which means CardBus (which is essentially a 'swapable PCI').

I seriously doubt anyone would take the time and effort to develop a
'backwards link' on the technology. Unless of course it was for a
government project with tons of money available...

Of course, you could make your own PCMCIA card with a processor
on it to do USB, (within the limitations of the PCMCIA bus), write
your own firmware, AND your own protected mode driver that will
allow your processor on the PCMCIA card to 'pass through' enough
to make attached devices 'look like' they are on a local USB...

Buy a new laptop...

Mike

----- Original Message -----
From: "Kurt A. Freiberger" <kurt@badgers-hill.net>
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Sent: Wednesday, June 12, 2002 1:04 PM
Subject: [aprssig] Re: Getting GPS data

> On Wed, 12 Jun 2002 11:17:51 -0400
> Mark Phillips <g7ltt@g7ltt.com> wrote:
>
> > Do you have USB available? If not perhaps you could acquire a USB to
PCMCIA
> > card and then add USB<>Serial adaptors? I use 5 of them on my radio
machine
> > here at the house and it all works fin. Beware however that not all
comms
> > programms can address more than the first 4 serial ports. Some of them
can't
> > talk past 2.
>
> Speaking of which, does anybody know of a source of PCMCIA <--> USB
cards that
> are NOT of the CardBus (wide data path) variety? I'd settle for one
that would do
> both CardBus (31 bit) and PCMCIA (16 bit) interfaces. It'd breathe new
life into my
> Compaq Aeros.
>
> 73/Kurt
> --
> Kurt A. Freiberger   Austin, TX kurt@badgers-hill.net
> Amateur Radio Callsign WB5BBW AIM Handle: WB5BBW
> 512/251-0759 (home) 512/970-7026 (cell)
> NOTE: My address has changed from WB5BBW@AIRMAIL.NET. Please
>   update your address book.
>
> ---
> You are currently subscribed to aprssig as: myetsko@insydesw.com
> To unsubscribe send a blank email to leave-aprssig-842K@lists.tapr.org
> Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org
>

>

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Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

392. [aprssig] Re: What's with EMERGENCY MESSAGES???

From: k9soa@att.net
Date: Wed, 12 Jun 2002 18:14:42 +0000
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: aprssig@lists.tapr.org (aprssig)
Message-ID: <LYR842-84570-2002.06.12-13.51.19--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

When replying,

PLEASE DO NOT INCLUDE THE SIG IN BOTH THE TO AND CC.
EVERYONE KEEPS GETTING MULTIPLE COPIES LIKE THIS ONE.

One is enough thanks.

--
Don

>
> ----- Original Message -----
> From: "Ronald Reams" <wa4mjf@worldnet.att.net>
> :
> : How many out there in APRS land stare at the CRTs to look for
> : emergency messages?
> :
> : 73 de Ronnie
>
> I think you are getting closer to the point where aprs may have a slight
> advantage over telephony, Ronnie. Yes few are able to monitor to see a text
> call for help and likewise there are times one can't generally devote all
> their attention to listening to the radio and many times the radio will be
> required to turned off or the volume lowered. An APRS application's alarm
> will allow you to go about your business quietly and notify you of an
> emergency the way your telephone notifies you when some wants to speak with
> you. While it's helpful to know the nature of the emergency to get the
> proper help quickly as possible but, to address Keith, KF4BXT's comments "
> might be testing the "system" just to see if anyone is watching/listening.",
> also it's helpful to know that the emergency transmission is a test
> requiring NO response   Sometime back I discovered that the emergency
> response activities of AR are known by the public safety and law enforcement
> communities is at a level I never realized and getting back to the post
> that started this thread, any system that cries wolf once too often doesn't
> serve APRS in particular or Amateur Radio in general.--73
>
>
> Doug, N0LKK
> dougy@ruraltel.net
>
>
>
>
>

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393. [aprssig] GPS Patch Antenna

From: "Mike Yetsko" <myetsko@insydesw.com>
Date: Wed, 12 Jun 2002 14:18:31 -0400
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-84571-2002.06.12-13.56.31--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

A while back someone posted a request for info on antennas for GPS.

I had found this one quite some time ago, and was going to build it,
but just haven't gotten around to it.

        http://www.geocities.com/CapeCanaveral/3161/gps.htm

Anyone have any feedback on this thing? It looks pretty interesting.
Just gotta remember to insulate it or otherwise protect it since my
Garmins all put voltage on the antenna center pin.

I wonder, how bad would a cap in series right at the antenna feed
point detract from the optimum...

Mike

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---

394. [aprssig] Re: What's with EMERGENCY MESSAGES???

From: David VanHorn <dvanhorn@cedar.net>
Date: Wed, 12 Jun 2002 13:25:03 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-84574-2002.06.12-14.01.40--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

At 06:14 PM 6/12/2002 +0000, k9soa@att.net wrote:
>When replying,
>
>PLEASE DO NOT INCLUDE THE SIG IN BOTH THE TO AND CC.
>EVERYONE KEEPS GETTING MULTIPLE COPIES LIKE THIS ONE.

Apparently, the list is configured so that reply to sender sends a reply to
you only, and reply to all sends a reply to you, the list, and a copy to
the list.

Us chickens didn't set it up that way.

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---

395. [aprssig] Re: What's with EMERGENCY MESSAGES???

From: "Mike Yetsko" <myetsko@insydesw.com>
Date: Wed, 12 Jun 2002 14:34:39 -0400
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-84578-2002.06.12-14.12.32--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

A reply to the sender (at my station) generates just that, a reply to the
sender. A reply to ALL replies to the sender AND to the list in the
"To:" field.

While I have seen it happen in the past where it put a "cc:" entry in
also to the list, I haven't seen that in quite some time here. Or at
least,
I haven't noticed it.

In other words... It ain't broke here!

Mike

> At 06:14 PM 6/12/2002 +0000, k9soa@att.net wrote:
> >When replying,
> >
> >PLEASE DO NOT INCLUDE THE SIG IN BOTH THE TO AND CC.
> >EVERYONE KEEPS GETTING MULTIPLE COPIES LIKE THIS ONE.
>
> Apparently, the list is configured so that reply to sender sends a reply
to
> you only, and reply to all sends a reply to you, the list, and a copy to
> the list.
>
> Us chickens didn't set it up that way.
>

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Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

396. [aprssig] Re: Getting GPS data

From: "Curt Mills, WE7U" <hacker@tc.fluke.com>
Date: Wed, 12 Jun 2002 12:04:27 -0700 (PDT)
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: TAPR APRS Special Interest Group <aprssig@lists.tapr.org>
Message-ID: <LYR842-84579-2002.06.12-14.40.58--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

On Wed, 12 Jun 2002, Earl Needham wrote:

>
> A good friend of mine just got a new-to-him used laptop, with only one serial port. He wants to use it for mobile APRS, and I'm thinking there might be a way to connect the TNC through the serial port, and connect the GPS through either the parallel port, or else the PCM/CIA (or whatever that abbreviation is) port.

1) A simple solution is to buy either a KPC-3+ or a Paccomm dual-port PicoPacket.

With both of these TNC's, you connect the TNC to the computer, and then you connect the radio and the GPS to the TNC. Problem solved. You only need one serial port on the computer to do this. These TNC's also work with PDA's like the Handspring which also have only one serial port.

2) Another method is to either build or buy an HSP adapter (hardware serial port). This is a device which uses one handshake on your computer serial port to switch between two serial devices, your TNC and your GPS.

Most of the APRS software out there supports the above two methods.

Curt Mills, WE7U hacker.NO_*SPAM@tc.fluke.com
Senior Methods Engineer/SysAdmin
"Lotto: A tax on people who are bad at math." -- unknown
"Windows: Microsoft's tax on computer illiterates." -- WE7U

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397. [aprssig] DOS Machine time sync

From: Doug Ferrell <kd4moj@kd4moj.org>
Date: Wed, 12 Jun 2002 15:04:15 -0400
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-84580-2002.06.12-14.49.22--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Greets folks:

Anyone know of an easy way to sync an APRSdata machine to keep the time accurate? I'm looking maybe for a GPS via serial setup or something similar. maybe sync'd over a network? I see windows applications (such as AtomTime) to sync with the naval stations for correct time but nothing for DOS.

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Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

398. [aprssig] Re: DOS Machine time sync

From: "Ronald Reams" <wa4mjf@worldnet.att.net>
Date: Wed, 12 Jun 2002 15:22:52 -0400
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-84581-2002.06.12-14.59.15--lyris.aprssig#tapr.org@lists.tapr.org>

Rendered body type: text/plain

I just check WWV or CHU once every 24 hours
for my APRSDAT station.

73 de Ronnie

----- Original Message -----
From: "Doug Ferrell" <kd4moj@kd4moj.org>
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Sent: Wednesday, June 12, 2002 15:04
Subject: [aprssig] DOS Machine time sync

Greets folks:

Anyone know of an easy way to sync an APRSdata machine to keep the time accurate? I'm looking maybe for a GPS via serial setup or something similar. maybe sync'd over a network? I see windows applications (such as AtomTime) to sync with the naval stations for correct time but nothing for DOS.

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Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

---

399. [aprssig] Re: Radio for APRS

From: Doug Ferrell <kd4moj@kd4moj.org>
Date: Wed, 12 Jun 2002 16:09:58 -0400
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-84583-2002.06.12-15.46.12--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

At 04:07 PM 6/11/02 -0500, Adi Linden wrote:
>For portable operations, does anyone know of a small single channel radio?
>I am looking for something with about 5 Watts out for a homebrew box using
>the TiniTrak device and a Garmin handheld GPS.
>

For the price of a MFJ dataradio (single channel - which I own 3) you can get a yaesu FT-2600 with a serial (DB9) interface and you choice of power levels. A few years ago when 2 meter rigs were higher in price, the MFJ wasn't all that bad a deal. But now a days...... makes better sense to get a regular 2 mtr rig.

I have 4 2600's (2 working as digis 24/7) and they work like a champ. Beware though.... if you have one mounted in your car and try to start it with the 2600 powered up (which you shouldn't do anyway with ANY rig because of the voltage drop) it may scramble your stored memories.

The Yaesu 1500 is also a good deal around $139 bux.

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Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

---

400. [aprssig] Re: Radio for APRS

From: "Joe Dorn" <joedorn@stonemedia.com>
Date: Wed, 12 Jun 2002 15:46:56 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-84588-2002.06.12-16.24.57--lyris.aprssig#tapr.org@lists.tapr.org>

Rendered body type: text/plain

I concur with this... I have both a Kenwood 261 (on my MIC-e tracker) and a
MFJ data radio (on my weather station). The cost is effectively the same but
the utility of the 261 is far greater... Both have been working without flaw
in harsh environments for 3 or 4 years...

Joe Dorn, W5VEX, Belton, Texas

-----Original Message-----
From: bounce-aprssig-23581@lists.tapr.org
[mailto:bounce-aprssig-23581@lists.tapr.org]On Behalf Of Doug Ferrell
Sent: Wednesday, June 12, 2002 3:10 PM
To: TAPR APRS Special Interest Group
Subject: [aprssig] Re: Radio for APRS

At 04:07 PM 6/11/02 -0500, Adi Linden wrote:
>For portable operations, does anyone know of a small single channel radio?
>I am looking for something with about 5 Watts out for a homebrew box using
>the TiniTrak device and a Garmin handheld GPS.
>

For the price of a MFJ dataradio (single channel - which I own 3) you
can get a yaesu FT-2600 with a serial (DB9) interface and you choice of
power levels. A few years ago when 2 meter rigs were higher in price, the
MFJ wasn't all that bad a deal. But now a days...... makes better sense to
get a regular 2 mtr rig.

I have 4 2600's (2 working as digis 24/7) and they work like a
champ.
Beware though.... if you have one mounted in your car and try to start it
with the 2600 powered up (which you shouldn't do anyway with ANY rig
because of the voltage drop) it may scramble your stored memories.

The Yaesu 1500 is also a good deal around $139 bux.

You are currently subscribed to aprssig as: joedorn@stonemedia.com
To unsubscribe send a blank email to leave-aprssig-842K@lists.tapr.org
Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

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Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

---

401. [aprssig] Re: Radio for APRS

From: Steve Dimse <k4hg@tapr.org>
Date: Wed, 12 Jun 2002 16:56:11 -0400
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: TAPR APRS Special Interest Group <aprssig@lists.tapr.org>
Message-ID: <LYR842-84589-2002.06.12-16.33.03--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

On 6/12/02 3:46 PM, joedorn@stonemedia.com (Joe Dorn) wrote:

>I concur with this... I have both a Kenwood 261 (on my MIC-e
>tracker) and a MFJ data radio (on my weather station). The cost is
>effectively the same but the utility of the 261 is far greater...
>Both have been working without flaw in harsh environments for 3 or 4
>years...
>
That is also the reason that TAPR does not have a radio kit (and for
that matter why Heathkit stopped producing kits). It simply isn't
possible to complete on a cost-effective basis with mass production in
the Far East. The cost of the parts in under 1000 lots ends up being
greater than the cost of the completed radio.

Steve K4HG

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Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

402. [aprssig] Re: What's with EMERGENCY MESSAGES???

From: Bob Bruninga <bruninga@usna.edu>
Date: Wed, 12 Jun 2002 17:32:49 -0400 (EDT)
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: TAPR APRS Special Interest Group <aprssig@lists.tapr.org>
Message-ID: <LYR842-84590-2002.06.12-17.09.26--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

```
On Wed, 12 Jun 2002, Doug Younker wrote:

> Wouldn't anyone intent on conducting an exercise go through the steps
> neccessary to have the Kenwood transmit the test signal?

Yes, they did.  And the "Emergency" packet included in the 20 byte
Position comment text these words "TEST test".  Seems pretty obvious to me
it was a test...

> Now  I'm back to Spyder Jim's original comments on indiscriminate test
> distress signals, where anyone monitoring has no clue it's an
> exercise.--73

That is why we need all APRS software to not separate the Position from
the Comment when both are included in the original packet.  And for users
to not just look at the word Emergency without loooking at the rest of the
packet... The origial packet contained 3 bits "111" that signals the key
word "Emergency".  But also in the same packet are 20 bytes of free form
character text.  These bytes said "TEST test"...

de WB4APR, Bob




---
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```

403. [aprssig] Re: APRS TOCALLs and software versions (June 2002 revision)

From: Bob Bruninga <bruninga@usna.edu>
Date: Wed, 12 Jun 2002 17:51:15 -0400 (EDT)
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-84592-2002.06.12-17.27.56--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

```
Here is the current list of APRS TOcalls and Version nomenclature that I
have updated.

> APA A-Filter, Alinco, etc
>     APAFxx  AFilter.
>     APAGxx  AGATE
>     APAXxx  AFilterX.
>     APAHxx  AHub
> APB avail
> APC Windows CE, etc
> APD APRSd, etc
      APDTxx  APRStouch Tone (DTMF)
> APE avail
> APF avail
> APG Gates, etc
> APH HamHud, etc
> API Icom, etc
>     APICQx for ICQ
> APJ JavaAPRS,JeAPRS,etc
> APK Kenwood, etc
>     APK0xx THD7's
>     APK1xx D700's
> APL Liunx applications
> APM MacAPRS, etc
> APN Network nodes, digis, etc
>     APNDxx DIGI_NED
>     APNUxx UIdigi
> APO APRSpoint
> APP pocketAPRS, etc
> APQ avail
> APR APR8xx APRSdos,etc
>     APRDxx APRSdata, APRSdr
>     APRKxx APRStk
>     APRS   Generic, (obsolete. Digis should use APNxxx instead)
```

>   APRXxx APRSmax
>   APRTLM used my MIM's and Mic-lites, etc
> APS APRS+SA, etc
> APT TinyTrack
>   APTTxx Tiny Track
>   APT2xx Tiny Track II
>   APTAxx K4ATM's tiny track
>   APTV for ATV/APRN and SSTV applications
> APU UIview, etc
>   APU1xx UIview 16 bit applications
>   APU2xx UIview 32 bit apps
> APV avail
> APW WinAPRS, etc
> APX Xaprs, etc
> APY etc, Yeasu, etc
> APZ Experimental
>   APZ0xx Xastir
>   APZPAD Smart Palm
>

Authors with similar alphabetic requirements are encouraged to share
their address space with other software. Work out agreements amongst
yourselves and keep me informed.

de WB4APR, Bob

---
You are currently subscribed to aprssig as: lyris.aprssig@tapr.org
To unsubscribe send a blank email to leave-aprssig-842K@lists.tapr.org
Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

404. [aprssig] List setup

From: John Kraus <jfkraus2@cox.net>
Date: Wed, 12 Jun 2002 19:46:30 -0400
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-84608-2002.06.12-19.22.51--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

As far as I can tell the list is setup to work as follows.

REPLY   Single copy to sender
REPLY ALL   Copy to sender and list only

THERE IS NO DUPLICATE TO CC in Eudora

This tells me that the problem is likely a mis-configured Email client. So
lets not restart the war over what's best way to setup a list. Chose an
Email client that works and learn to use it.

At 01:25 PM 12-06-02 -0500, David VanHorn wrote:
>Apparently, the list is configured so that reply to sender sends a reply to
>you only, and reply to all sends a reply to you, the list, and a copy to
>the list.
>
>Us chickens didn't set it up that way.

---
You are currently subscribed to aprssig as: lyris.aprssig@tapr.org
To unsubscribe send a blank email to leave-aprssig-842K@lists.tapr.org
Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

405. [aprssig] Smart Beacon changes...

From: "Wes Johnston" <wes@johnston.net>
Date: Wed, 12 Jun 2002 20:00:21 -0400
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: "aprs" <aprssig@tapr.org>
Message-ID: <LYR842-84610-2002.06.12-19.37.01--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

I was playing with "my rendition" of smart beacon today.. running in quick
basic on a laptop in the car so I could play with it and see *exactly* how
it works. I thought it would be nice if it would beacon once when I dropped
below the low_speed threshold, and when I exit the low_speed if I had been
sitting still for a while - like more than turn_time number of seconds.
That could provide a little hysteresis to keep it from beaconing constantly
when inching up in traffic, but still allows a beacon when you depart a stop

light. What I noticed was that SB would never advertise that I'd stopped my
car until 30 minutes had passed. With dead reconing on, someone observing
me would think I'd travelled a long way in 30 minutes when in fact I was
sitting still. I've marked my suggested changes with ********.

Smart Beacon already does:
Beacon when you turn a corner
Beacon at fixed distance intervals
Reduce beacon rate when you are stopped

With these changes Smart Beacon will:
Beacon when you come to a stop
Beacon when you begin moving again if you have stopped more than a few
seconds.

Wes

```
 if speed < low_speed then
' *************************************************************
  if beacon_secs <> beacon_stop *60 then
    secs_since_beacon=32766
  end if
' *************************************************************
  beacon_secs = beacon_stop * 60
 else
' *************************************************************
  if secs_since_beacon > turn_time and beacon_secs = beacon_stop *60 then
    secs_since_beacon=32766
  end if
' *************************************************************
  if speed > high_speed then
   beacon_secs = beacon_fast
  else
   beacon_secs = beacon_fast * high_speed / speed
  endif

  turn_threshold = (turn_min + turn_slope) / speed
  dif = abs(old_heading - heading)
  if dif > 180 then
   dif=360-dif
  endif
  if dif > turn_threshold and secs_since_beacon > turn_time then
   secs_since_beacon = 32766
  endif
 endif
```

---
You are currently subscribed to aprssig as: lyris.aprssig@tapr.org
To unsubscribe send a blank email to leave-aprssig-842K@lists.tapr.org
Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

406. [aprssig] Re: Radio for APRS

From: "Brian B. Riley \(N1BQ\) ListAcct" <n1bq_list@wulfden.org>
Date: Wed, 12 Jun 2002 20:03:41 -0400
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-84611-2002.06.12-19.40.37--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

I have the forerunner of the TM261, a TM231 on the digi N1BQ-3. That radio
has been in 24/7 digital service as either a node or APRS digi for 11 years
...

-----Original Message-----
From: bounce-aprssig-25883@lists.tapr.org
[mailto:bounce-aprssig-25883@lists.tapr.org]On Behalf Of Joe Dorn
Sent: Wednesday, June 12, 2002 4:47 PM
To: TAPR APRS Special Interest Group
Subject: [aprssig] Re: Radio for APRS

I concur with this... I have both a Kenwood 261 (on my MIC-e tracker) and a
MFJ data radio (on my weather station). The cost is effectively the same but
the utility of the 261 is far greater... Both have been working without flaw
in harsh environments for 3 or 4 years...

Joe Dorn, W5VEX, Belton, Texas

-----Original Message-----

From: bounce-aprssig-23581@lists.tapr.org
[mailto:bounce-aprssig-23581@lists.tapr.org]On Behalf Of Doug Ferrell
Sent: Wednesday, June 12, 2002 3:10 PM
To: TAPR APRS Special Interest Group
Subject: [aprssig] Re: Radio for APRS

At 04:07 PM 6/11/02 -0500, Adi Linden wrote:
>For portable operations, does anyone know of a small single channel radio?
>I am looking for something with about 5 Watts out for a homebrew box using
>the TiniTrak device and a Garmin handheld GPS.
>

For the price of a MFJ dataradio (single channel - which I own 3) you can get a yaesu FT-2600 with a serial (DB9) interface and you choice of power levels. A few years ago when 2 meter rigs were higher in price, the MFJ wasn't all that bad a deal. But now a days...... makes better sense to get a regular 2 mtr rig.

I have 4 2600's (2 working as digis 24/7) and they work like a champ.
Beware though.... if you have one mounted in your car and try to start it with the 2600 powered up (which you shouldn't do anyway with ANY rig because of the voltage drop) it may scramble your stored memories.

The Yaesu 1500 is also a good deal around $139 bux.

You are currently subscribed to aprssig as: joedorn@stonemedia.com
To unsubscribe send a blank email to leave-aprssig-842K@lists.tapr.org
Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

---
You are currently subscribed to aprssig as: n1bq_list@wulfden.org
To unsubscribe send a blank email to leave-aprssig-842K@lists.tapr.org
Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

---
You are currently subscribed to aprssig as: lyris.aprssig@tapr.org
To unsubscribe send a blank email to leave-aprssig-842K@lists.tapr.org
Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

---

407. [aprssig] RE: Smart Beacon changes...

From: "Andrew Rich" <andrew.rich@bigpond.com>
Date: Thu, 13 Jun 2002 10:06:16 +1000
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: "aprs" <aprssig@tapr.org>
Message-ID: <LYR842-84613-2002.06.12-19.42.52--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Wouldn't there be a formula for speed and a formula for position change ?

km/h / x = beacon rate

horizontal movement / x = beacon rate

Andrew

-----Original Message-----
From: bounce-aprssig-23621@lists.tapr.org
[mailto:bounce-aprssig-23621@lists.tapr.org]On Behalf Of Wes Johnston
Sent: Thursday, 13 June 2002 10:00
To: TAPR APRS Special Interest Group
Cc: aprs
Subject: [aprssig] Smart Beacon changes...

I was playing with "my rendition" of smart beacon today.. running in quick basic on a laptop in the car so I could play with it and see *exactly* how it works. I thought it would be nice if it would beacon once when I dropped below the low_speed threshold, and when I exit the low_speed if I had been sitting still for a while - like more than turn_time number of seconds. That could provide a little hysteresis to keep it from beaconing constantly when inching up in traffic, but still allows a beacon when you depart a stop light. What I noticed was that SB would never advertise that I'd stopped my car until 30 minutes had passed. With dead reconing on, someone observing me would think I'd travelled a long way in 30 minutes when in fact I was sitting still. I've marked my suggested changes with ********.

Smart Beacon already does:
Beacon when you turn a corner
Beacon at fixed distance intervals
Reduce beacon rate when you are stopped

With these changes Smart Beacon will:
Beacon when you come to a stop
Beacon when you begin moving again if you have stopped more than a few seconds.

Wes

```
 if speed < low_speed then
' *************************************************************
  if beacon_secs <> beacon_stop *60 then
    secs_since_beacon=32766
  end if
' *************************************************************
  beacon_secs = beacon_stop * 60
 else
' *************************************************************
  if secs_since_beacon > turn_time and beacon_secs = beacon_stop *60 then
    secs_since_beacon=32766
  end if
' *************************************************************
  if speed > high_speed then
   beacon_secs = beacon_fast
  else
   beacon_secs = beacon_fast * high_speed / speed
  endif

  turn_threshold = (turn_min + turn_slope) / speed
  dif = abs(old_heading - heading)
  if dif > 180 then
   dif=360-dif
  endif
  if dif > turn_threshold and secs_since_beacon > turn_time then
   secs_since_beacon = 32766
  endif
 endif
```

---
You are currently subscribed to aprssig as: andrew.rich@bigpond.com
To unsubscribe send a blank email to leave-aprssig-842K@lists.tapr.org
Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

---
You are currently subscribed to aprssig as: lyris.aprssig@tapr.org
To unsubscribe send a blank email to leave-aprssig-842K@lists.tapr.org
Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

408. [aprssig] Erroneous "Emergency!" beacon

From: "Jack Smith" <jrs38801@bellsouth.net>
Date: Wed, 12 Jun 2002 19:11:58 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-84616-2002.06.12-19.49.05--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

I managed to get hold of HA8BI Lajos and asked him to contact Zsuzsa HG7JMS-9 about her "Emergency!" beacon. Seems that the PIC in her TinyTrak managed to get scrambled and that's why it was sending out the false beacon. They've got it fixed now, so all should be well with the world!

73 Jack KE4LWT

"Victory at all costs, victory in spite of all terror, victory however long and hard the road may be; for without victory there is no survival."

- Winston [Leonard Spencer] Churchill (1874 - 1965)

You are currently subscribed to aprssig as: lyris.aprssig@tapr.org
To unsubscribe send a blank email to leave-aprssig-842K@lists.tapr.org
Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

409. [aprssig] Re: List setup

From: "John Becker" <molou@big-river.net>
Date: Wed, 12 Jun 2002 19:05:19 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-84617-2002.06.12-19.50.22--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

I   ALWAYS   reply to the list unless the sender ask
for a direct reply.

You are currently subscribed to aprssig as: lyris.aprssig@tapr.org
To unsubscribe send a blank email to leave-aprssig-842K@lists.tapr.org
Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

410. [aprssig] Re: List setup

From: "Ronald Reams" <wa4mjf@worldnet.att.net>
Date: Wed, 12 Jun 2002 20:17:24 -0400
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-84619-2002.06.12-19.54.29--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

John, there are apparently two names for this list.

When respondin' to a person that uses the opposite name that you do,
it will give a reply to both iterations of the list name.

It has nothin' to do with not knowin' how to use your mail client.

Get over it and use your delete key!

Ronnie

----- Original Message -----
From: "John Kraus" <jfkraus2@cox.net>
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Sent: Wednesday, June 12, 2002 19:46
Subject: [aprssig] List setup

As far as I can tell the list is setup to work as follows.

REPLY   Single copy to sender
REPLY ALL   Copy to sender and list only

THERE IS NO DUPLICATE TO CC in Eudora

This tells me that the problem is likely a mis-configured Email client. So
lets not restart the war over what's best way to setup a list. Chose an
Email client that works and learn to use it.

At 01:25 PM 12-06-02 -0500, David VanHorn wrote:
>Apparently, the list is configured so that reply to sender sends a reply to

>you only, and reply to all sends a reply to you, the list, and a copy to
>the list.
>
>Us chickens didn't set it up that way.

You are currently subscribed to aprssig as: lyris.aprssig@tapr.org
To unsubscribe send a blank email to leave-aprssig-842K@lists.tapr.org
Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

---

411. [aprssig] Names

From: "Ronald Reams" <wa4mjf@worldnet.att.net>
Date: Wed, 12 Jun 2002 20:25:14 -0400
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-84620-2002.06.12-20.03.08--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

One name for list is aprssig@lists.tapr.org

the other is aprssig@tapr.org

I've noticed that when I reply all with OE if the sender used
the first name I listed I get the sender and the list in the to line.
If the sender used the second name I get the sender
and the list in the to line and the other name of the list in the cc line.

I try to delete the cc most times, but sometimes forget.

My registration is with the first name, BTW.

73 de Ronnie

You are currently subscribed to aprssig as: lyris.aprssig@tapr.org
To unsubscribe send a blank email to leave-aprssig-842K@lists.tapr.org
Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

---

412. [aprssig] d700 software control

From: "Wes Johnston" <wes@johnston.net>
Date: Wed, 12 Jun 2002 20:28:54 -0400
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-84623-2002.06.12-20.06.30--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Can anyone tell me how to power off my d700 via software. It shows PS 0 on
the serial port just as I power it down, but when I send it a PS 0 it does
not listen to the serial port for that command. I can send other commands
to it just fine, but just can't get it to shut off. Any suggestions? Am I
missing something? Is my radio special?

Wes

You are currently subscribed to aprssig as: lyris.aprssig@tapr.org
To unsubscribe send a blank email to leave-aprssig-842K@lists.tapr.org
Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

---

413. [aprssig] Re: List setup

From: "Ronald Reams" <wa4mjf@worldnet.att.net>
Date: Wed, 12 Jun 2002 20:31:57 -0400
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-84624-2002.06.12-20.09.29--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Well for a brief period it was set up for that,
but now I just hit reply all

----- Original Message -----
From: "John Becker" <molou@big-river.net>
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Sent: Wednesday, June 12, 2002 20:05
Subject: [aprssig] Re: List setup

I   ALWAYS   reply to the list unless the sender ask
for a direct reply.

You are currently subscribed to aprssig as: lyris.aprssig@tapr.org
To unsubscribe send a blank email to leave-aprssig-842K@lists.tapr.org
Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

---

414. [aprssig] Re: List setup

From: "Eric Christensen, KF4OTN" <kf4otn@cox.net>
Date: Wed, 12 Jun 2002 20:45:35 -0400
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-84626-2002.06.12-20.22.23--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Wasn't this the topic of discussion before? I though that it was
decided that when you hit the reply button that the LISTSERV would be
setup so that it would go back to the list. Isn't that the reason
for the listserv to have a discussion? You can't have a discussion
replying to just one person. I guess it hasn't been changed,
though...

Just my two cents worth...

73s,
Eric KF4OTN

----- Original Message -----
From: "Ronald Reams" <wa4mjf@worldnet.att.net>
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Sent: Wednesday, June 12, 2002 20:17
Subject: [aprssig] Re: List setup

John, there are apparently two names for this list.

When respondin' to a person that uses the opposite name that you do,
it will give a reply to both iterations of the list name.

It has nothin' to do with not knowin' how to use your mail client.

Get over it and use your delete key!

Ronnie

----- Original Message -----
From: "John Kraus" <jfkraus2@cox.net>
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Sent: Wednesday, June 12, 2002 19:46
Subject: [aprssig] List setup

As far as I can tell the list is setup to work as follows.

REPLY   Single copy to sender
REPLY ALL   Copy to sender and list only

THERE IS NO DUPLICATE TO CC in Eudora

This tells me that the problem is likely a mis-configured Email
client. So
lets not restart the war over what's best way to setup a list. Chose
an
Email client that works and learn to use it.

At 01:25 PM 12-06-02 -0500, David VanHorn wrote:
>Apparently, the list is configured so that reply to sender sends a
reply to
>you only, and reply to all sends a reply to you, the list, and a
copy to
>the list.
>
>Us chickens didn't set it up that way.

You are currently subscribed to aprssig as: kf4otn@cox.net
To unsubscribe send a blank email to
leave-aprssig-842K@lists.tapr.org
Questions regarding the SIG go to the SIG administrator:
wa1lou@tapr.org

You are currently subscribed to aprssig as: lyris.aprssig@tapr.org
To unsubscribe send a blank email to leave-aprssig-842K@lists.tapr.org
Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

---

415. [aprssig] WAPRS261 Bug

From: Robbie Robertson <mwrobertson@attbi.com>
Date: Wed, 12 Jun 2002 21:47:38 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-84637-2002.06.12-22.23.56--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Has anyone else notice that WinAPRS 261 no longer displays a "track" of
a moving station when you click on that station and hit the letter r or
R as it did in previous versions?

It works in 2.5.1 for me.

Robbie, wa9inf

You are currently subscribed to aprssig as: lyris.aprssig@tapr.org
To unsubscribe send a blank email to leave-aprssig-842K@lists.tapr.org
Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

---

416. [aprssig] Posted - Patch file for APRS+SA v2.12

From: "The Hildebrands" <b.hildebrand@verizon.net>
Date: Wed, 12 Jun 2002 19:56:09 -0700
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-84638-2002.06.12-22.32.56--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

See Download section on the APRS+SA page for the file "patch.p212" that will correct a NWS decoding
issue in v2.12.

Brent Hildebrand, KH2Z

APRS+SA
http://www.tapr.org/~kh2z/aprsplus
ftp://ftp.tapr.org/aprssig/winstuff/aprsplus

[]

You are currently subscribed to aprssig as: lyris.aprssig@tapr.org
To unsubscribe send a blank email to leave-aprssig-842K@lists.tapr.org
Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

417. [aprssig] kenwood d700(more)

From: "Wes Johnston" <wes@johnston.net>
Date: Wed, 12 Jun 2002 23:06:06 -0400
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-84639-2002.06.12-22.42.46--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Ok, I figured out you can't command PS 0 to turn the power off when in TNC mode - appearantly, the TNC intercepts the command and does not pass it along to the radio. When in APRS mode, you can command the radio directly. In either mode, you can send PS 1 twice with a little pause between to turn the radio on remotely. This means that a smart beacon supervisory module could turn on the radio when you got in your car and started to drive.... as soon as you get over 2 mph, the radio would come on. You could also have the radio beacon a while after you get to work and then after, say two hours, turn itself off.

I also noticed that when a station is heard on APRS, the radio publishes a LIST command with comma seperated list of details about the station. This means that we can now publish alternative aprs frequecies using digipeaters and have the radio auto QSY when it's within range of an alternate frequency net. Don't know how many of you remember the discussion a few months ago about a MAN metro-area network.... but this is a damned good shot at it! I need to work on a format to advertise what the customary PATHS are, FREQUENCIES, and BAUD RATES.

I made a mistake in my code... I was trying to send the radio BE 0 and BE 1 when I should have been sending BCN 0 and BCN 1 to toggle the beacon mode.

More to come, I'm sure.
Wes

You are currently subscribed to aprssig as: lyris.aprssig@tapr.org
To unsubscribe send a blank email to leave-aprssig-842K@lists.tapr.org
Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

418. [aprssig] RE: kenwood d700(more)

From: "Jim Gill N0RMO" <n0rmo@jgav.com>
Date: Wed, 12 Jun 2002 22:32:06 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-84642-2002.06.12-23.08.57--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Wes,

Check my web page, www.jgav.com/ham for the "Change TNC mode" web page (http://jgav.com/ham/tnc_mode.htm). You can change the TNC mode remotely over the serial port. This should allow you to change from TNC mode to RC mode, then you can send your PS 0. Check my web site for more details, but here is the quick nitty gritty (this is an update to what I sent you privately today).

The following table should be displayed with a fixed width font. If the columns and rows wrap oddly, copy and paste the text into a plain text editor to read. To get an explanation of what I mean by RC mode, see the web page.

```
TNC in  To go to        Send this in    Delay to
This Mode       This Mode       UPPERCASE               Re-init TNC?

OFF             APRS            TNC 1           YES
OFF             PACKET  TNC 2 then TC 0         YES
OFF             RC              (not necessary)*
APRS            OFF             TNC 0
APRS            RC              (not necessary)*
APRS            PACKET  TNC 2 then TC 0         YES
RC              OFF             TNC 0
RC              APRS            TNC 1           YES
RC              PACKET  TC 0                    NO
PACKET @        OFF             TC 1 then TNC 0
PACKET @        RC              TC 1                    NO
PACKET @        APRS            TC 1 then TNC 1         YES
```

@ Don't forget to send a Ctrl-C (alt-3 on keypad, hex $03, etc) to get out
of converse mode on the TNC if necessary!
* You can enter any Radio Control (RC) commands while in the OFF or APRS
modes.

This data was the result of some testing between Bob B. and myself a couple
years back.

Jim N0RMO
Omaha, NE

-----Original Message-----
From: bounce-aprssig-29190@lists.tapr.org
[mailto:bounce-aprssig-29190@lists.tapr.org]On Behalf Of Wes Johnston
Sent: Wednesday, June 12, 2002 10:06 PM
To: TAPR APRS Special Interest Group
Subject: [aprssig] kenwood d700(more)

Ok, I figured out you can't command PS 0 to turn the power off when in TNC
mode - appearantly, the TNC intercepts the command and does not pass it
along to the radio.

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Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

419. [aprssig] Thanks!!!

From: Adi Linden <adi@adis.on.ca>
Date: Wed, 12 Jun 2002 22:47:52 -0500 (CDT)
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-84646-2002.06.12-23.24.23--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Thanks to all that helped me get on the map! My digipeater is working, I
am on the map... http://www.findu.com/cgi-bin/find.cgi?call=va3adi

Thanks,
Adi
VA3ADI

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Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

420. [aprssig] Re: APRS TOCALLs and software versions (June 2002 revision)

From: Bill Herrmann <bherrman@spro.net>
Date: Wed, 12 Jun 2002 22:19:50 -0600
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-84659-2002.06.13-00.00.51--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

At 05:51 PM 6/12/02 -0400, Bob Bruninga wrote:
>Here is the current list of APRS TOcalls and Version nomenclature that I
>have updated.
[snip]
> > APW WinAPRS, etc

Can somebody tell me how to change the tocall in WinAPRS? I was playing
with WinAPRS 2.51 to get a little familiarity with it. (I use another
client, but was trying to help somebody who was using WinAPRS.) It appeared
to have APRSM hard-coded as the tocall.

Bill

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421. [aprssig] FINDU works great for blind ham.

From: Bruce & Leigh Coates <bruce.coates@sk.sympatico.ca>
Date: Wed, 12 Jun 2002 22:28:14 -0600
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-84667-2002.06.13-00.05.12--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

I just wanted to share a story about how a blind ham is using FINDU to participate in APRS. Your first thought might be that a mapping program or web site would be very difficult to use and of little use to someone who is blind. A friend of mine proved me wrong. Because the FINDU site describes a station's location in plain text, his screen reader reads this text to him and he can track stations almost as accurately as the rest of us can using a map. He recently used FINDU to track a friend of his as he travelled from the east coast of Canada through Saskatoon and on to Edmonton. It worked great!

Thanks very much, Steve.

73, Bruce - VE5BNC

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422. [aprssig] Re: What's with EMERGENCY MESSAGES???

From: "Glen Tubbesing" <n7got@earthlink.net>
Date: Wed, 12 Jun 2002 21:31:48 -0700
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-84668-2002.06.13-00.10.08--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Jeez, Don, time to cut back on the caffeine. ;-) No need to shout...

73,
Glen Tubbesing
N7GOT
Las Vegas, NV

> -----Original Message-----
> When replying,
>
> PLEASE DO NOT INCLUDE THE SIG IN BOTH THE TO AND CC.
> EVERYONE KEEPS GETTING MULTIPLE COPIES LIKE THIS ONE.
>
> One is enough thanks.
>
> --
> Don

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Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

423. [aprssig] Radio for APRS

From: Adi Linden <adil@adis.on.ca>
Date: Tue, 11 Jun 2002 16:07:41 -0500 (CDT)
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-84701-2002.06.13-04.27.25--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Hi,

I am new to APRS and I am in the process of setting up a APRS digipeater on 144.390.

For portable operations, does anyone know of a small single channel radio?

I am looking for something with about 5 Watts out for a homebrew box using
the TiniTrak device and a Garmin handheld GPS.

Thanks,
Adi
VA3ADI

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You are currently subscribed to aprssig as: lyris.aprssig@tapr.org
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Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

---

424. [aprssig] Re: What's with EMERGENCY MESSAGES???

From: Bob Bruninga <bruninga@usna.edu>
Date: Tue, 11 Jun 2002 17:13:38 -0400 (EDT)
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: TAPR APRS Special Interest Group <aprssig@lists.tapr.org>
Message-ID: <LYR842-84702-2002.06.13-04.29.50--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

On Tue, 11 Jun 2002, Roy Bost wrote:

> I've been watching all the hoopla for the last several days over Emergency
> Messages. I have a question that I'm sure I'm not the only one that needs
> to have answered.....How Do You Send An Emergency Message in the following
> conditions?:

The only things that can send "EMERGENCY!" are a Kenwood D700 or D7 or
Mic-E or Pic-e or anthing else that uses the Mic-E protocol. I think
only the Kenwoods have the "are-you-sure" layer of protection.

Probably the false alarms are coming from the other Mic-E's and Pic-e's
that have no protection from an inadvertant setting. We thought about
accepting the word EMERGENCY spelled out from any APRS MESSAGEING device,
but each time it comes up, it all boils down to the same kind of bickering
over what constitutes an "emregecny" and thus impossible to get agreement
on it...

bob

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---
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To unsubscribe send a blank email to leave-aprssig-842K@lists.tapr.org
Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

---

425. [aprssig] Re: List setup

From: Bob Bruninga <bruninga@usna.edu>
Date: Thu, 13 Jun 2002 08:34:32 -0400 (EDT)
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: TAPR APRS Special Interest Group <aprssig@lists.tapr.org>
Message-ID: <LYR842-84721-2002.06.13-08.11.10--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

> John, there are apparently two names for this list.
> It has nothin' to do with not knowin' how to use your mail client.
> Get over it and use your delete key!

And besides the LIST will only send one copy. The TAPR lists do dupe
checking and it will send back to the originator an error message stating
something like "the following messages appears to be a dupe of a previous
message sent by APRSSIG and was not sent"...

The only time I ever see two copies is when someone sends me a personal
copy. But that is exactly what one would expect...

Bob

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To unsubscribe send a blank email to leave-aprssig-842K@lists.tapr.org
Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

426. [aprssig] Re: List setup

From: "Horzepa, Stan" <SHorzepa@c-cor.net>
Date: Thu, 13 Jun 2002 08:49:21 -0400
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-84725-2002.06.13-08.26.34--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Here is how the list is set-up:

REPLY goes to the originator of the message you are replying to, not to the List.

REPLY ALL goes to the List and the originator of the message.

The originator will receive a duplicate message if the replyer uses REPLY ALL. If any other duplicate messages are being generated, then someone is doing something with their email software that results in the dupes; the List software is not causing the problem.

That is all!

Stan, WA1LOU, APRSSIG adminstrator

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Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

427. [aprssig] Re: List setup

From: "Spider" <spider@rivcom.net>
Date: Thu, 13 Jun 2002 05:55:39 -0700
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-84726-2002.06.13-08.32.29--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

----- Original Message -----
From: "Bob Bruninga" <bruninga@usna.edu>
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Sent: Thursday, June 13, 2002 5:34 AM
Subject: [aprssig] Re: List setup

> > John, there are apparently two names for this list.
> > It has nothin' to do with not knowin' how to use your mail client.
> > Get over it and use your delete key!
>
> And besides the LIST will only send one copy. The TAPR lists do dupe
> checking and it will send back to the originator an error message stating
> something like "the following messages appears to be a dupe of a previous
> message sent by APRSSIG and was not sent"...

This is the only email list I belong to where I have to edit the reply address to send a reply back from where the message came. For example, in this reply from the above message when came from the 'list' when I hit "reply", it wants to send it back to Bob. Bob did not send the message to me, the 'list' did. I had to delete Bob's address and add the 'list' address.I do not understand why the sysops choose to not follow a standard that has been around for ages.
If they would follow the standard, they would end the problem of people hitting the "Reply All" just to get a message to the list without manual intervention. Computers are suppose to make life easy!

Jim

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Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

428. [aprssig] Re: List setup

From: "Mike Yetsko" <myetsko@insydesw.com>
Date: Thu, 13 Jun 2002 08:58:57 -0400
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-84727-2002.06.13-08.37.08--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

The list works exactly as Stan said.

You're splitting hairs, saying a 'reply' should go to the list. Why break
it?
If you want to split hairs, then I could argue that the email forwarder
sent you the message, and 'reply' should only go to that!

The list works.

The list works as Stan said it works.

The list makes sense.

Please don't start this up again until it gets fixed until it's broke...

It really is easy if you understand it.

Mike

----- Original Message -----
From: "Spider" <spider@rivcom.net>

> This is the only email list I belong to where I have to edit the reply
> address to send a reply back from where the message came. For example,
in
> this reply from the above message when came from the 'list' when I hit
> "reply", it wants to send it back to Bob. Bob did not send the message
to
> me, the 'list' did. I had to delete Bob's address and add the 'list'
> address.I do not understand why the sysops choose to not follow a
standard
> that has been around for ages.
> If they would follow the standard, they would end the problem of people
> hitting the "Reply All" just to get a message to the list without manual
> intervention. Computers are suppose to make life easy!
>
> Jim

---
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Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

429. [aprssig] Re: List setup

From: "Eric Christensen, KF4OTN" <kf4otn@cox.net>
Date: Thu, 13 Jun 2002 09:11:51 -0400
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-84728-2002.06.13-08.48.25--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Well, the list should be about promoting discussion. If we have to
do something different than "REPLY" to a message for everyone else to
be involved, then it is broken. If you get into a side discussion,
then someone quietly sitting on the sideline trying to learn about
whatever is being talked about won't get the messages! Make sense to
me.

Eric

----- Original Message -----
From: "Mike Yetsko" <myetsko@insydesw.com>
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Sent: Thursday, June 13, 2002 08:58
Subject: [aprssig] Re: List setup

The list works exactly as Stan said.

You're splitting hairs, saying a 'reply' should go to the list. Why
break
it?
If you want to split hairs, then I could argue that the email
forwarder
sent you the message, and 'reply' should only go to that!

The list works.

The list works as Stan said it works.

The list makes sense.

Please don't start this up again until it gets fixed until it's
broke...

It really is easy if you understand it.

Mike

----- Original Message -----
From: "Spider" <spider@rivcom.net>

> This is the only email list I belong to where I have to edit the
reply
> address to send a reply back from where the message came. For
example,
in
> this reply from the above message when came from the 'list' when I
hit
> "reply", it wants to send it back to Bob. Bob did not send the
message
to
> me, the 'list' did. I had to delete Bob's address and add the
'list'
> address.I do not understand why the sysops choose to not follow a
standard
> that has been around for ages.
> If they would follow the standard, they would end the problem of
people
> hitting the "Reply All" just to get a message to the list without
manual
> intervention. Computers are suppose to make life easy!
>
> Jim

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wa1lou@tapr.org

You are currently subscribed to aprssig as: lyris.aprssig@tapr.org
To unsubscribe send a blank email to leave-aprssig-842K@lists.tapr.org
Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

430. [aprssig] APRS Field Day operation 2002

From: Harry Burford <res09c48@verizon.net>
Date: Thu, 13 Jun 2002 08:14:11 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-84729-2002.06.13-08.51.13--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

I'm looking for a short discussion listing procedures and suggested set up
on how one might use APRS and maximize band width utilization during FD and
make digital contacts. I'm sure many stations will at least have an APRS
station set up for the demonstration station bonus. I also suspect that due
to the elevated usage there is a higher probability of less data being

moved.

I've trolled Bob's (WB4APR) web site in the hopes of locating a kind of a step by step lead thru targeted at a novice APRS user on how the QSO's might be conducted. On his satellite page, there is a pass schedule which makes space based contacts an interesting possibility.

Harry, KA0TTY
KA0TTY@arrl.net

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Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

---

431. [aprssig] Re: FINDU works great for blind ham.

From: Bob Bruninga <bruninga@usna.edu>
Date: Thu, 13 Jun 2002 09:17:01 -0400 (EDT)
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: TAPR APRS Special Interest Group <aprssig@lists.tapr.org>,
Steve Dimse K4HG <k4hg@tapr.org>
Message-ID: <LYR842-84730-2002.06.13-08.54.26--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

On Wed, 12 Jun, Bruce & Leigh Coates wrote about Blind hams using FINDU:

> Because the FINDU site describes a station's location in plain text, his
> screen reader reads this text to him and he can track stations almost as
> accurately as the rest of us can using a map.

Neato! There is a very active blind HAM in our area that I have been wanting to get on APRS for years. I just called him to suggest FINDU.COM and he said "Yeah! His wife used FINDU to track him all the way to dayton and back." So I guess I was behind the times...

I wonder if there is anything else that FINDU could do to improve its service to Blind Hams... this could really open up another view of HAM radio to them.

I hate to suggest more things for FINDU to do (Steve is very busy already), but I wonder if a blind (text only) access page to FINDU might be useful? It might say:

```
WB4APR IS:                   0.6 miles northeast of ANNAPOLIS, MD
Moving:                      Northeast at 14 Miles per hour
Report was received:         6 days 45 minutes 39 seconds ago
The 4 nearest stations are:  W3XYZ, W4ABC,W9XYZ,W0ABC
Last message was:            ALmost home!
```

de WB4APR, Bob

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Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

---

432. [aprssig] Re: What's with EMERGENCY MESSAGES???

From: frastephen@comcast.net
Date: Thu, 13 Jun 2002 09:17:20 -0400
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-84733-2002.06.13-08.56.43--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Hi Bob et al!

From: "Bob Bruninga" <bruninga@usna.edu>
> Probably the false alarms are coming from the other Mic-E's and Pic-e's
> that have no protection from an inadvertant setting. We thought about
> accepting the word EMERGENCY spelled out from any APRS MESSAGEING device,
> but each time it comes up, it all boils down to the same kind of bickering
> over what constitutes an "emregecny" and thus impossible to get agreement
> on it...

I'm not sure that "bickering" is helpful ...

I went back to the PEAPRS test announcement web site to see what the designers of this test intended.

http://www.cq-amateur-radio.com/Air%20Force%20Labs.html

Which reads, in part:

"During these flights the aircraft will transmit a distress message using the call sign WA2ZXS."

Is it patently clear from what was transmitted during the test that this was a "distress" message?

Going back to the first days of radio, there has been an internationally recognized convention for "distress" calls. Why? So that there would not be any ambiguity. I believe that the current test, and its ancillary discussion, shows that there is ambiguity in the use of "EMERGENCY!".

This test has demonstrated to me that if I desired to send a distress message, I would not use the "EMERGENCY!" position comment alone. If I was going to use APRS at all (I would, but it would be an "auxiliary line of defense" as the PEAPRS web site indicated about the recent test) I would put the word "MAYDAY" in the Status text to eliminate all ambiguity. By doing that, it is clear to others that I am taking responsibility for a distress call.

Peace and 73,
Stephen
W3SMK

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Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

---

433. [aprssig] Re: List setup

From: "Eric Christensen, KF4OTN" <kf4otn@cox.net>
Date: Thu, 13 Jun 2002 09:29:41 -0400
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-84734-2002.06.13-09.06.35--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Why should everyone be in on the discussions? Because with side discussions, there isn't any reporting back to a group. I spend time every week emailing others directly to get information that they requested over the SIG that wasn't sent back over the SIG. It is a BIG waste of time. That is the point of having the listserv in the first place... so that everyone will be in on the discussions and you can get more input.

It is kind of like APRS... All the stations report to the group so you don't have to go hunting for the information. It is already there on your screen and you know if anything has transmitted!

Eric

----- Original Message -----
From: "Mike Yetsko" <myetsko@insydesw.com>
To: "Eric Christensen, KF4OTN" <kf4otn@cox.net>
Sent: Thursday, June 13, 2002 09:19
Subject: Re: [aprssig] Re: List setup

> Well, the list should be about promoting discussion. If we have to
> do something different than "REPLY" to a message for everyone else
to
> be involved, then it is broken. If you get into a side discussion,
> then someone quietly sitting on the sideline trying to learn about
> whatever is being talked about won't get the messages! Make sense
to
> me.

```
>
> Eric

EXACTLY!!  Except that this is the feature that needs SUPPORTED,
not taken out.  There are a LOT of 'side discussions' going on.  Why
should everybody always see everything?

Just like this!  I don't want to clutter the list with this
discussion
anymore.

But think about it...  Why should 'reply' go to the list and 'reply
all'
go to
the list plus the sender?  Isn't the sender part of the list and he
gets
it
anyway?  All reply all would do is to send it to the originator
twice,
with
no utility benefit to the person doing the reply, unless he just
wants to
double tap someone to make his point.

Doing it the way it does now offers the person sending the reply the
most utility.  And does it with no need to type or cut-and-paste into
any fields.  In fact, the only thing the person had to edit at all is
 if
he
does a 'reply all' and DOESN'T want that extra response to the
sender,
and then it's just a simple click and delete.  People will do that.
I do
that.

Mike





---
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Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org
```

434. [aprssig] Re: List setup

From: Bob Bruninga <bruninga@usna.edu>
Date: Thu, 13 Jun 2002 09:32:05 -0400 (EDT)
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: TAPR APRS Special Interest Group <aprssig@lists.tapr.org>
Message-ID: <LYR842-84735-2002.06.13-09.09.48--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

```
On Thu, 13 Jun 2002, Spider wrote:
>
> This is the only email list I belong to where I have to edit the reply
> address to send a reply back from where the message came.

Then apparently something must be wrong with your mailer.

When I hit reply, it goes back to the LIST and to the sender just like one
would expect.  (I use PINE.)

Bob



---
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To unsubscribe send a blank email to leave-aprssig-842K@lists.tapr.org
Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org
```

435. [aprssig] Re: List setup

From: "Spider" <spider@rivcom.net>
Date: Thu, 13 Jun 2002 06:36:21 -0700
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>

Message-ID: <LYR842-84736-2002.06.13-09.14.08--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

```
----- Original Message -----
From: "Eric Christensen, KF4OTN" <kf4otn@cox.net>
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Sent: Thursday, June 13, 2002 6:11 AM
Subject: [aprssig] Re: List setup


> Well, the list should be about promoting discussion.  If we have to
> do something different than "REPLY" to a message for everyone else to
> be involved, then it is broken.  If you get into a side discussion,
> then someone quietly sitting on the sideline trying to learn about
> whatever is being talked about won't get the messages!  Make sense to
> me.
>
> Eric


Exactly!

Jim, WA6OFT




---
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To unsubscribe send a blank email to leave-aprssig-842K@lists.tapr.org
Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org
```

436. [aprssig] Re: List setup

From: David VanHorn <dvanhorn@cedar.net>
Date: Thu, 13 Jun 2002 08:38:58 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-84737-2002.06.13-09.20.35--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

```
At 08:17 PM 6/12/2002 -0400, Ronald Reams wrote:
>John, there are apparently two names for this list.
>
>When respondin' to a person that uses the opposite name that you do,
>it will give a reply to both iterations of the list name.

Exactly


---
You are currently subscribed to aprssig as: lyris.aprssig@tapr.org
To unsubscribe send a blank email to leave-aprssig-842K@lists.tapr.org
Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org
```

437. [aprssig] Re: List setup

From: "Spider" <spider@rivcom.net>
Date: Thu, 13 Jun 2002 06:43:52 -0700
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-84738-2002.06.13-09.20.57--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

```
----- Original Message -----
From: "Bob Bruninga" <bruninga@usna.edu>
To: "Spider" <spider@rivcom.net>
Cc: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Sent: Thursday, June 13, 2002 6:32 AM
Subject: Re: [aprssig] Re: List setup


> On Thu, 13 Jun 2002, Spider wrote:
> >
> > This is the only email list I belong to where I have to edit the reply
> > address to send a reply back from where the message came.
>
> Then apparently something must be wrong with your mailer.
>
> When I hit reply, it goes back to the LIST and to the sender just like one
> would expect.  (I use PINE.)
```

Come on Bob! You are going to sit here and tell me the over 90% of the
users of email lists use Pine?
Give me a break.

Jim

You are currently subscribed to aprssig as: lyris.aprssig@tapr.org
To unsubscribe send a blank email to leave-aprssig-842K@lists.tapr.org
Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

438. [aprssig] Re: List setup

From: "Horzepa, Stan" <SHorzepa@c-cor.net>
Date: Thu, 13 Jun 2002 09:49:13 -0400
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-84740-2002.06.13-09.26.43--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Earlier this year, I changed the List options as some of you have suggested (REPLY to List; REPLY ALL to List and originator). As you may remember, the change was an unmitigated failure for a number of reasons, so I set the List options back to their previous (and current) settings.

I have no intentions of repeating that experiment again.

End of discussion.

Stan, WA1LOU, APRSSIG administrator

You are currently subscribed to aprssig as: lyris.aprssig@tapr.org
To unsubscribe send a blank email to leave-aprssig-842K@lists.tapr.org
Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

439. [aprssig] Re: APRS Field Day operation 2002

From: Bob Bruninga <bruninga@usna.edu>
Date: Thu, 13 Jun 2002 09:49:38 -0400 (EDT)
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: TAPR APRS Special Interest Group <aprssig@lists.tapr.org>,
<amsat-bb@amsat.org>
Message-ID: <LYR842-84741-2002.06.13-09.27.19--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

On Thu, 13 Jun 2002, Harry Burford wrote:

> I'm looking for a short discussion listing procedures and suggested set up
> on how one might use APRS and maximize band width utilization during FD and
> make digital contacts. I'm sure many stations will at least have an APRS
> station set up for the demonstration station bonus.

APRSdos and APRStk have a built-in QSL mode for FielDay.
See FIELDAY.TXT included in all copies of APRSdos. It is also posted on:

http://web.usna.navy.mil/~bruninga/APRS-docs/FIELDDAY.TXT

But anyone may do it manually as well. Here is the best way to make the maximum 2-way QSO's with minimum QRM:

1) Set your POSITION Text to your FD report. (CQ FD, 1A-MD)
   (1A is station type and MD is our ARRL section)
2) Watch for other stations sending same
3) When you have accumulated several, send a single Bulletin

   TO: BLN#1A-MD MSG: QSL W1ABC,W2XYZ,N3APC,W4XYZ,N5ABC

4) As each new station appears, then ADD them to the SAME Bulletin above
   and delete the previous outgoing packet..

This way you ONLY have one outgoing packet on the air at a time, yet you are QSLing as many as 8 stations at a time... Thus for 8 stations to log 8 completed two way QSO's, you dont need 64 separate APRS messages on the air at once, but only 8. One from each of the 8 stations..

WHen you finish the first 8, then bump up the BLN# by 1 and keep going. Always kill the old outgoing BLNs to minimize QRM.

You may count as a valid QSO, any station that you have RECEIVED
and QSL'ed that has also then included YOU in his QSL bulletin...

de WB4APR, Bob

PCsat WEB page   http://www.ew.usna.edu/~bruninga/pcsat.html
ISS-APRS FAQ: http://www.ew.usna.edu/~bruninga/iss-faq.html
CUBESAT Designs   http://www.ew.usna.edu/~bruninga/cubesat.html
APRS LIVE pages   http://www.ew.usna.edu/~bruninga/aprs.html
APRS SATELLITES   http://www.ew.usna.edu/~bruninga/astars.html

---
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To unsubscribe send a blank email to leave-aprssig-842K@lists.tapr.org
Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

440. [aprssig] Re: FINDU works great for blind ham.

From: Steve Dimse <k4hg@tapr.org>
Date: Thu, 13 Jun 2002 09:58:13 -0400
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: TAPR APRS Special Interest Group <aprssig@lists.tapr.org>
Message-ID: <LYR842-84743-2002.06.13-09.35.47--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

On 6/13/02 9:17 AM, bruninga@usna.edu (Bob Bruninga) wrote:

>I hate to suggest more things for FINDU to do (Steve is very busy
>already),

No reason I need to do it. There are at least 4 people that have written programs which directly access findU's database, which has been open since the beginning, and documented several times on the sig.

The program uses standard mysql port, the user name is guest and there is no password, the database is aprs. This gives you read-only access to most of the tables, excluding only the user registration and private data tables.

The only rule is to be nice, it is quite possible to generate a query that takes days to complete, since there are many millions of records in the tables. One absolute rule is no joins...which combine data from two or more tables into a sincle select statement. If you were, for example to join two tables with 1000 records each, there are a million possibilities that need to be tested. Optimization makes properly phrased joins feasible, but it is pretty easy to see what an unoptimizable join between two tables with millions of records would be do to findU. There is nothing a join can do that cannot be done with a program querying tables sequentially.

All long queries (over 5 seconds) are logged along with the source, and if there begins to be a problem I'll have to eliminate the open access. Please, this is not the place to learn SQL. There are lots of good resources on the web, and it is easy to set up your own data files to experiment with, don't use the findU database unless you know what you are doing!

Steve K4HG

You are currently subscribed to aprssig as: lyris.aprssig@tapr.org
To unsubscribe send a blank email to leave-aprssig-842K@lists.tapr.org
Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

441. [aprssig] Re: List setup

From: Earl Needham <needhame@yucca.net>
Date: Thu, 13 Jun 2002 07:57:51 -0600
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-84744-2002.06.13-09.36.37--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

At 09:32 AM 6/13/2002 -0400, Bob Bruninga wrote:
>On Thu, 13 Jun 2002, Spider wrote:
> >

```
> > This is the only email list I belong to where I have to edit the reply
> > address to send a reply back from where the message came.
>
>Then apparently something must be wrong with your mailer.
>
>When I hit reply, it goes back to the LIST and to the sender just like one
>would expect.  (I use PINE.)

         That isn't REPLY, it's REPLY-ALL.  Regardless of how PINE labels it.

         7 3
         Earl


Earl Needham, KD5XB, Clovis, New Mexico  DM84jk
KD5XB-2>APW251,PCSAT-1*:=3425.83N/10313.55W-PHG7150/WinAPRS 2.5.1
-EARL_CLOVIS -251-<630>
Did you get a letter from Nigeria offering a "deal"?  See
http://home.rica.net/alphae/419coal/ and
http://www.crimes-of-persuasion.com/Crimes/Business/nigerian.htm



---
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Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org
```

442. [aprssig] Re: List setup

From: "Jimmy Burkhalter" <kb5wio@tcac.net>
Date: Thu, 13 Jun 2002 09:21:21 -0600
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-84749-2002.06.13-09.57.59--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

```
Thank you. I like it just the way you have it now.


http://www.findu.com/cgi-bin/find.cgi?call=kb5wio-9&radar=***


Jimmy Burkhalter      KB5WIO
Amarillo, Texas

kb5wio@tcac.net

35:9:6 N 101:52:332 W

-----Original Message-----
From: bounce-aprssig-29244@lists.tapr.org
[mailto:bounce-aprssig-29244@lists.tapr.org]On Behalf Of Horzepa, Stan
Sent: Thursday, June 13, 2002 7:49 AM
To: TAPR APRS Special Interest Group
Subject: [aprssig] Re: List setup


Earlier this year, I changed the List options as some of you have suggested
(REPLY to List; REPLY ALL to List and originator). As you may remember, the
change was an unmitigated failure for a number of reasons, so I set the List
options back to their previous (and current) settings.

I have no intentions of repeating that experiment again.

End of discussion.

Stan, WA1LOU, APRSSIG administrator


---
You are currently subscribed to aprssig as: lyris.aprssig@tapr.org
To unsubscribe send a blank email to leave-aprssig-842K@lists.tapr.org
Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org
```

443. [aprssig] Re: Getting GPS data

From: Ralph Milnes <milnes1@rcn.com>
Date: Thu, 13 Jun 2002 10:42:10 -0400
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: Earl Needham <needhame@yucca.net>
Message-ID: <LYR842-84750-2002.06.13-10.18.41--lyris.aprssig#tapr.org@lists.tapr.org>

Rendered body type: text/plain

```
Earl asked:

>A good friend of mine just got a new-to-him used laptop, with only one
>serial port.  He wants to use it for mobile APRS, and I'm thinking there
>might be a way to connect the TNC through the serial port, and connect the
>GPS through either the parallel port, or else the PCM/CIA (or whatever that
>abbreviation is) port.
>
>         Any help from the list?

AGWPE?

If the laptop has a sound card, skip the TNC and use AGWPE on the parallel
port (for PTT control), leaving the serial port free for the GPS.

Or perhaps wire up an adapter that let's AGWPE and the GPS share the serial
port -- they use different pins (haven't heard of anyone doing this,
however, so I don't know if there might be a problem).

73,

Ralph KC2RLM
www.qsl.net/soundcardpacket



---
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Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org
```

444. [aprssig] Re: List setup

From: Bob Bruninga <bruninga@usna.edu>
Date: Thu, 13 Jun 2002 10:52:07 -0400 (EDT)
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: TAPR APRS Special Interest Group <aprssig@lists.tapr.org>
Message-ID: <LYR842-84752-2002.06.13-10.28.50--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

```
On Thu, 13 Jun 2002, Spider wrote:

> Come on Bob!  You are going to sit here and tell me the over 90% of the
> users of email lists use Pine?
> Give me a break.

No, probably 2% or less....   But do you mean to tell me that you are
using an email program that cannot REPLY-TO-ALL?

That is what PINE does.  Two key strokes:  R for REPLY and Y for "yes,
to-all"..  I certainly am not suggesting others use ancient PINE, but
it seems that if the newer and fancier email programs cannot REPLY-TO-ALL,
then something is wrong...

Bob






---
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To unsubscribe send a blank email to leave-aprssig-842K@lists.tapr.org
Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org
```

445. [aprssig] Re: List setup

From: Bob Bruninga <bruninga@usna.edu>
Date: Thu, 13 Jun 2002 10:53:24 -0400 (EDT)
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: TAPR APRS Special Interest Group <aprssig@lists.tapr.org>
Message-ID: <LYR842-84753-2002.06.13-10.30.35--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

```
On Thu, 13 Jun 2002, David VanHorn wrote:

> At 08:17 PM 6/12/2002 -0400, Ronald Reams wrote:
> >John, there are apparently two names for this list.
```

> >
> >When respondin' to a person that uses the opposite name that you do,
> >it will give a reply to both iterations of the list name.
>
> Exactly

But although it puts them both in the ADDRESS field, the TAPR email
program is smart enough to recongnize the DUPE, and only one of them goes
out to the list..

Bob

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Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

446. [aprssig] Re: FINDU works great for blind ham.

From: Bob Bruninga <bruninga@usna.edu>
Date: Thu, 13 Jun 2002 10:59:39 -0400 (EDT)
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: TAPR APRS Special Interest Group <aprssig@lists.tapr.org>
Message-ID: <LYR842-84754-2002.06.13-10.36.28--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Thanks steve... Glad to hear there is a simplified WEB page method for
APRS for the blind...

Can someone post the URL's for these sites that cater to the blind
APRS user so I can help spread the word? If they were posted here before,
I must have missed them..
thanks.

Bob

On Thu, 13 Jun 2002, Steve Dimse wrote:

> On 6/13/02 9:17 AM, bruninga@usna.edu (Bob Bruninga) wrote:
>
> >I hate to suggest more things for FINDU to do (Steve is very busy
> >already),
>
> No reason I need to do it. There are at least 4 people that have
> written programs which directly access findU's database, which has
> been open since the beginning, and documented several times on the
> sig.
>
> The program uses standard mysql port, the user name is guest and there
> is no password, the database is aprs. This gives you read-only access
> to most of the tables, excluding only the user registration and
> private data tables.
>
> The only rule is to be nice, it is quite possible to generate a query
> that takes days to complete, since there are many millions of records
> in the tables. One absolute rule is no joins...which combine data from
> two or more tables into a sincle select statement. If you were, for
> example to join two tables with 1000 records each, there are a million
> possibilities that need to be tested. Optimization makes properly
> phrased joins feasible, but it is pretty easy to see what an
> unoptimizable join between two tables with millions of records would
> be do to findU. There is nothing a join can do that cannot be done
> with a program querying tables sequentially.
>
> All long queries (over 5 seconds) are logged along with the source,
> and if there begins to be a problem I'll have to eliminate the open
> access. Please, this is not the place to learn SQL. There are lots of
> good resources on the web, and it is easy to set up your own data
> files to experiment with, don't use the findU database unless you know
> what you are doing!
>
> Steve K4HG
>

de WB4APR@amsat.org, Bob

```
PCsat WEB  page     http://www.ew.usna.edu/~bruninga/pcsat.html
ISS-APRS FAQ:       http://www.ew.usna.edu/~bruninga/iss-faq.html
```

CUBESAT Designs	http://www.ew.usna.edu/~bruninga/cubesat.html
APRS LIVE pages	http://www.ew.usna.edu/~bruninga/aprs.html
APRS SATELLITES	http://www.ew.usna.edu/~bruninga/astars.html
MIM/Mic-E/Mic-Lite	http://www.toad.net/~wclement/bruninga/mic-lite.html

---
You are currently subscribed to aprssig as: lyris.aprssig@tapr.org
To unsubscribe send a blank email to leave-aprssig-842K@lists.tapr.org
Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

447. [aprssig] Re: List setup

From: "Randy Farley" <RFarley@woodgrain.com>
Date: Thu, 13 Jun 2002 09:02:23 -0600
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-84755-2002.06.13-10.40.19--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Testing (this is only a test) "Reply to All" (sender and recipient) using GroupWise from work.

>>> "Horzepa, Stan" <SHorzepa@c-cor.net> 06/13/02 07:49AM >>>
Earlier this year, I changed the List options as some of you have suggested
(REPLY to List; REPLY ALL to List and originator). As you may remember, the
change was an unmitigated failure for a number of reasons, so I set the List
options back to their previous (and current) settings.

I have no intentions of repeating that experiment again.

End of discussion.

Stan, WA1LOU, APRSSIG administrator

---
You are currently subscribed to aprssig as: rfarley@woodgrain.com
To unsubscribe send a blank email to leave-aprssig-842K@lists.tapr.org
Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

---
You are currently subscribed to aprssig as: lyris.aprssig@tapr.org
To unsubscribe send a blank email to leave-aprssig-842K@lists.tapr.org
Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

448. [aprssig] Re: Getting GPS data

From: Bob Bruninga <bruninga@usna.edu>
Date: Thu, 13 Jun 2002 11:07:21 -0400 (EDT)
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: TAPR APRS Special Interest Group <aprssig@lists.tapr.org>,
Earl Needham <needhame@yucca.net>
Message-ID: <LYR842-84756-2002.06.13-10.45.30--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

On Thu, 13 Jun 2002, Ralph Milnes wrote:

> Earl asked:
>
> >A good friend of mine just got a new-to-him used laptop, with only one
> >serial port. He wants to use it for mobile APRS, and I'm thinking there
> >might be a way to connect the TNC through the serial port, and connect the
> >GPS through either the parallel port, or else the PCM/CIA (or whatever that
> >abbreviation is) port.

Many methods:
1) Use a Kenwood D7 or D700 or AlincoDJ-130? THey have a separte GPS port
   and will combine both the GPS and APRS into a single serial port stream

2) Use a momentary Push Button SPDT switch to select the GPS or TNC.
   Every time you want to update your position on the Laptorp and APRS,
   just press the button for 2 seconds. This is the ULTIMATE in "smart"
   beaconing.....(grin)

3) Use a GPS that you can set the OUTPUT rate to ONLY $GPRMC and only once
   every 30 seconds or so. Then DIODE-OR the GPS data to the TNC data
   into the single serial port.

4) Built the HSP adapter (a transistor and a few ressitors) that will
   automatically switch between the GPS and TNC...

See the usual APRSdos README\GPS.TXT

Bob, WB4APR

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Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

---

449. [aprssig] Re: FINDU works great for blind ham.

From: Steve Dimse <k4hg@tapr.org>
Date: Thu, 13 Jun 2002 11:19:41 -0400
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: TAPR APRS Special Interest Group <aprssig@lists.tapr.org>,
TAPR APRS Special Interest Group <aprssig@lists.tapr.org>
Message-ID: <LYR842-84757-2002.06.13-10.56.44--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

On 6/13/02 10:59 AM, bruninga@usna.edu (Bob Bruninga) wrote:

>Thanks steve... Glad to hear there is a simplified WEB page method
>for APRS for the blind...
>
>Can someone post the URL's for these sites that cater to the blind
>APRS user so I can help spread the word? If they were posted here
>before, I must have missed them.. thanks.
>
I guess you missed my meaning, it was that I don't need to do it.
Others have done different things, the port is open and it would be
easy to do, but no one has done this particular thing.

I bet even Bob could learn to do this!

Steve K4HG

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Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

---

450. [aprssig] APRS TOCALLs/versions (June 2002 2nd revision)

From: Bob Bruninga <bruninga@usna.edu>
Date: Thu, 13 Jun 2002 11:20:48 -0400 (EDT)
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-84759-2002.06.13-10.57.32--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

THe copy from yesterday still did not have some of the feedback I had
received. Here is the LATEST copy that I hope includes everyone's
requests: It adds:

```
 APCY for the Cybiko
 APJA for JavAPRS
 APJE for JeAPRS
 APU3 for UIview terminal program
```

And it adds Xastir to the list under APX...

Here is the current list of APRS TOcalls and Version nomenclature that I
have updated.

```
 APA A-Filter, Alinco, etc
     APAFxx  AFilter.
     APAGxx  AGATE
     APAXxx  AFilterX.
     APAHxx  AHub
 APB avail
 APC Windows CE, etc
     APCYxx  Cybiko applications
 APD APRSd, etc
     APDTxx  APRStouch Tone (DTMF)
 APE avail
 APF avail
 APG Gates, etc
 APH HamHud, etc
 API Icom, etc
```

```
    APICQx for ICQ
APJ JavaAPRS,JeAPRS,etc
    APJAxx JavAPRS
    APJExx JeAPRS
APK Kenwood, etc
    APK0xx THD7's
    APK1xx D700's
APL Liunx applications
APM MacAPRS, etc
APN Network nodes, digis, etc
    APNDxx DIGI_NED
    APNUxx UIdigi
APO APRSpoint
APP pocketAPRS, etc
APQ avail
APR APR8xx APRSdos,etc
    APRDxx APRSdata, APRSdr
    APRKxx APRStk
    APRS   Generic, (obsolete. Digis should use APNxxx instead)
    APRXxx APRSmax
    APRTLM used my MIM's and Mic-lites, etc
APS APRS+SA, etc
APT TinyTrack
    APTTxx Tiny Track
    APT2xx Tiny Track II
    APTAxx K4ATM's tiny track
    APTV for ATV/APRN and SSTV applications
APU UIview, etc
    APU1xx UIview 16 bit applications
    APU2xx UIview 32 bit apps
    APU3xx UIview terminal program
APV avail
APW WinAPRS, etc
APX Xaprs, Xastir, etc
APY etc, Yeasu, etc
APZ Experimental
    APZ0xx Xastir
    APZPAD Smart Palm
```

Authors with similar alphabetic requirements are encouraged to share their address space with other software. Work out agreements amongst yourselves and keep me informed.

de WB4APR, Bob

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---

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Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

451. [aprssig] Re: Tripmate mod

From: "Mike Yetsko" <myetsko@insydesw.com>
Date: Mon, 10 Jun 2002 14:33:45 -0400
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-84761-2002.06.13-10.59.27--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

> Where can I find the Tripmate modification info?
>
> Thanks, Scott

As others have responded, you can see the mods.

However, be aware you can do everything needed without opening up the TripMate and breaking any seals, and keeping the unit stock.

Why bother on an out of warrantee unit? Resale for one. Compatibility for another.

Compatibility? Sure! Let's say you want to use it for an 'event'. A parade. But you need 2 or 3 units. You think anyone in their right

mind would loan you a unit to take apart and mod? Or, consider if
you had just your unit, but for one reason or another, it goes out of
service. You can take a borrowed unit, plug it in and use it. Not
so if you depend on 'hardware modified' units.

Mike

You are currently subscribed to aprssig as: jnetterville@nc.rr.com
To unsubscribe send a blank email to leave-aprssig-842K@lists.tapr.org
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---
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Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

452. [aprssig] Re: What's with EMERGENCY MESSAGES???

From: "Doug Younker" <dougy@ruraltel.net>
Date: Wed, 12 Jun 2002 22:55:43 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-84771-2002.06.13-11.36.34--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

For whatever reason when I click on MS OE' reply all button places aprssigs
email address in both the to and CC fields. Due to cognative deficits
brought on by CVA damage brain I failed to notice and delete the CC entry.
I apologize but this not the first time this has happened and most likely
will not be the last however, I consider this to be one of life's small
stuff and I don't sweat it.--73
Doug, N0LKK
dougy@ruraltel.net

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Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

453. [aprssig] Re: Radio for APRS

From: "Doug Younker" <dougy@ruraltel.net>
Date: Wed, 12 Jun 2002 23:19:47 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-84772-2002.06.13-11.36.44--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

If you can find a used commercial HT in good condition for the right price
and with removing the battery pack you would have a compact and rugged
unit.--73
Doug, N0LKK
dougy@ruraltel.net

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To unsubscribe send a blank email to leave-aprssig-842K@lists.tapr.org
Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

454. [aprssig] Re: Tripmate mod

From: Rich@Osman.com
Date: Thu, 13 Jun 2002 08:57:06 -0700 (PDT)
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: myetsko@insydesw.com
Message-ID: <LYR842-84774-2002.06.13-11.45.11--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

While essentially correct, this is not strictly true. You need open the
TripMate and dd the external power jumper that DeLorme will supply on
request. The unit will them run happily on 5-6 V, but I don't think it has
a enough regulator to run off vehicle battery. I believe this uses pin 6
or 9 as the DC feed, but I can't remember. An ohmmeter will supply the
answer in a few seconds. Delorme sells a handy little cabe for $39.95
that you can make for $5. It steals 5 V from the keyboard connector.

On Mon, 10 June 2002, "Mike Yetsko" wrote

>
> > Where can I find the Tripmate modification info?
> >
> > Thanks, Scott
>
> As others have responded, you can see the mods.
>
> However, be aware you can do everything needed without opening
> up the TripMate and breaking any seals, and keeping the unit stock.
>
> Why bother on an out of warrantee unit? Resale for one. Compatibility
> for another.
>
> Compatibility? Sure! Let's say you want to use it for an 'event'. A
> parade. But you need 2 or 3 units. You think anyone in their right
> mind would loan you a unit to take apart and mod? Or, consider if
> you had just your unit, but for one reason or another, it goes out of
> service. You can take a borrowed unit, plug it in and use it. Not
> so if you depend on 'hardware modified' units.
>
> Mike
>
>
>
>
> ---
> You are currently subscribed to aprssig as: jnetterville@nc.rr.com
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> Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org
>
> ---
> You are currently subscribed to aprssig as: rich@osman.com
> To unsubscribe send a blank email to leave-aprssig-842K@lists.tapr.org
> Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

mailto:Rich@Osman.com http://www.rich.osman.com
Rich Osman; POB 93167; Southlake, TX 76092 (Near DFW
Airport) ARS: N1OZ

If you receive something that says "Send this to
everyone you know,"
      PLEASE pretend you don't know me.

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To unsubscribe send a blank email to leave-aprssig-842K@lists.tapr.org
Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

---

455. [aprssig] Re: List setup

From: David VanHorn <dvanhorn@cedar.net>
Date: Thu, 13 Jun 2002 11:44:07 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: TAPR APRS Special Interest Group <aprssig@lists.tapr.org>
Message-ID: <LYR842-84776-2002.06.13-12.20.28--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

At 10:53 AM 6/13/2002 -0400, Bob Bruninga wrote:
>On Thu, 13 Jun 2002, David VanHorn wrote:
>
> > At 08:17 PM 6/12/2002 -0400, Ronald Reams wrote:
> > >John, there are apparently two names for this list.
> > >
> > >When respondin' to a person that uses the opposite name that you do,
> > >it will give a reply to both iterations of the list name.
> >
> > Exactly
>
>But although it puts them both in the ADDRESS field, the TAPR email
>program is smart enough to recongnize the DUPE, and only one of them goes
>out to the list..

Then there will be only one copy of this message.
Generated by "reply to all" in eudora 5.1, removing bob's address from the
TO: field, and leaving the APRSSIG address in the TO and CC fields.

On other messages, I have seen different versions of the list name in the
TO and CC fields, that that is likely what is causing the problem.

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Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

456. [aprssig] Email clients

From: John Kraus <jfkraus3@cox.net>
Date: Thu, 13 Jun 2002 13:11:53 -0400
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-84780-2002.06.13-12.48.09--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

I use Eudora 3.0 pro. Under the Options pulldown is a checkbox labled

Put original to: recipients in cc: field

When unchecked a reply to all does as the list is configured in Stans message.

When checked the following occurs:

TO: Original sender

CC: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>, TAPR APRS Special Interest Group <aprssig@lists.tapr.org>

YES THERE ARE TWO VERSIONS

This is, as I noted in my first post, the real problem -- mis-configured email clients not the list software. It is impossible to configure a list to satisfy every user so it is the responsbility of the user to LEARN how the list works and adapt.

My suggestion is to explore the settings in your prefered client and look for something similar it may solve your problem.

Some of the worst offenders for mis-configuration are the various versions of the MS Lookout Viral Vector clients.

This will be my last post on the subject. I offered the first as a tip to help someone look for a solution. I am very familar with my software and its functionality including the delete key. Even better than the delete key is the concept of a kill filter.

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457. [aprssig] Re: Tripmate mod

From: "Mike Yetsko" <myetsko@insydesw.com>
Date: Thu, 13 Jun 2002 13:11:17 -0400
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-84781-2002.06.13-12.49.59--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

The TripMate brings in RI (pin 9 on the DB-9) to the center pin between the power and ground where the battery holder connects. What DeLorme does with their external power adapter is feed +6v up the RI wire. Then you pull the battery connector, and jumper the center pin to the +V pin.

Opening the case to get at the battery compartment is a far cry from popping the 'sealed' screws and getting at the PCB.

In my case, I made up a male/female DB-9 in a shell connector that did the loopback for self-start on the data line. It also tied all the PC side signals valid for loopback, so I could look at the data stream with terminal programs. Then I brought out a pigtail from the DB-shell that had a mini-din connector on it so I could plug it into my laptop to steal the 5v for an external keyboard. No regulator necessary.

What I found was that it worked fine. As long as I didn't let the laptop do any PM to the keyboard!

However, the TripMate was not NEAR as sensitive on 5v as it is at 6v. Longer lockup times were common. I've been told that they operate VERY well at 8v. But that just over 8v and a fraction they will smoke

with no warning! I believe there is circuitry directly connected to the
power and there is in fact no regulator in the TripMate. At least, not on
some of the circuitry.

Mike

----- Original Message -----
From: <Rich@Osman.com>

> While essentially correct, this is not strictly true. You need open the
> TripMate and dd the external power jumper that DeLorme will supply on
> request. The unit will them run happily on 5-6 V, but I don't think it
has
> a enough regulator to run off vehicle battery. I believe this uses pin
6
> or 9 as the DC feed, but I can't remember. An ohmmeter will supply the
> answer in a few seconds.   Delorme sells a handy little cabe for $39.95
>that you can make for $5. It steals 5 V from the keyboard connector.

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458. [aprssig] Re: List setup

From: Robbie Robertson <mwrobertson@attbi.com>
Date: Thu, 13 Jun 2002 12:19:30 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: TAPR APRS Special Interest Group <aprssig@lists.tapr.org>
Message-ID: <LYR842-84783-2002.06.13-12.57.02--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

That is true, I got "one" copy of your message Dave, :-)

This message was "Reply All" in Netscape

Robbie, wa9inf

David VanHorn wrote:
>
> At 10:53 AM 6/13/2002 -0400, Bob Bruninga wrote:
> >On Thu, 13 Jun 2002, David VanHorn wrote:
> >
> > > At 08:17 PM 6/12/2002 -0400, Ronald Reams wrote:
> > > >John, there are apparently two names for this list.
> > > >
> > > >When respondin' to a person that uses the opposite name that you do,
> > > >it will give a reply to both iterations of the list name.
> > >
> > > Exactly
> >
> >But although it puts them both in the ADDRESS field, the TAPR email
> >program is smart enough to recongnize the DUPE, and only one of them goes
> >out to the list..
>
> Then there will be only one copy of this message.
> Generated by "reply to all" in eudora 5.1, removing bob's address from the
> TO: field, and leaving the APRSSIG address in the TO and CC fields.
>
> On other messages, I have seen different versions of the list name in the
> TO and CC fields, that that is likely what is causing the problem.
>
> ---
> You are currently subscribed to aprssig as: mwrobertson@attbi.com
> To unsubscribe send a blank email to leave-aprssig-842K@lists.tapr.org
> Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

--

- Robbie Robertson -
...-.- wa9inf ...-.-

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Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

459. [aprssig] Re: Email clients

From: David VanHorn <dvanhorn@cedar.net>
Date: Thu, 13 Jun 2002 12:29:08 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-84785-2002.06.13-13.05.40--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

At 01:11 PM 6/13/2002 -0400, John Kraus wrote:
>I use Eudora 3.0 pro. Under the Options pulldown is a checkbox labled
>
>Put original to: recipients in cc: field
>
>When unchecked a reply to all does as the list is configured in Stans message.
>
>When checked the following occurs:

Mine is NOT checked.

---
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460. [aprssig] Re: APRS TOCALLs and software versions (June 2002 revision)

From: Mark Sproul <msproul@jove.rutgers.edu>
Date: Thu, 13 Jun 2002 13:34:39 -0400
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-84787-2002.06.13-13.14.36--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

You cannot change the TOCALL, other program are NOT SUPPOSED to allow
you to change it either. WinAPRS should be sending out APRSW or
APWxxx where the xxx is the version number. This is defined in the
protocol spec. MacAPRS sends out APRSM, we did have a version
previously where WinAPRS sent out APRSM instead of APRSW but that
should be fixed.

Mark

At 10:19 PM -0600 6/12/02, Bill Herrmann wrote:
>At 05:51 PM 6/12/02 -0400, Bob Bruninga wrote:
>>Here is the current list of APRS TOcalls and Version nomenclature that I
>>have updated.
>[snip]
>> > APW WinAPRS, etc
>
>Can somebody tell me how to change the tocall in WinAPRS? I was
>playing with WinAPRS 2.51 to get a little familiarity with it. (I
>use another client, but was trying to help somebody who was using
>WinAPRS.) It appeared to have APRSM hard-coded as the tocall.
>
>Bill
>
>
>
>

---
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Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

461. [aprssig] Re: List setup

From: "Spider" <spider@rivcom.net>
Date: Thu, 13 Jun 2002 11:05:02 -0700
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-84788-2002.06.13-13.42.06--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

----- Original Message -----
From: "Bob Bruninga" <bruninga@usna.edu>
To: "Spider" <spider@rivcom.net>

Cc: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Sent: Thursday, June 13, 2002 7:52 AM
Subject: Re: [aprssig] Re: List setup

> On Thu, 13 Jun 2002, Spider wrote:
>
> > Come on Bob! You are going to sit here and tell me the over 90% of the
> > users of email lists use Pine?
> > Give me a break.
>
> No, probably 2% or less....   But do you mean to tell me that you are
> using an email program that cannot REPLY-TO-ALL?

Why on earth do I want to send two messages? It's a group discussion!
That's what people are moaning and groaning about and the fix is very
simple! In my case, and I can't speak for others, when I use Reply-All, the
tapr list is in the Carbon Copy.

>
> That is what PINE does. Two key strokes: R for REPLY and Y for "yes,
> to-all".. I certainly am not suggesting others use ancient PINE, but
> it seems that if the newer and fancier email programs cannot REPLY-TO-ALL,
> then something is wrong...

I used Pine in the early 80's and not much has changed with it. It was a
PITA then, and still is. Email programs have advance in regards to user
convinence a whole bunch since then!
Normally, when you hit Reply to a group message the reply goes back to the
group. This is the norm. When you hit Reply-All it still sends the reply
to the group and a CC: to the "originator. Most all listserv's I know of
are set that way, which is what is reasonible to expect because most
software is expecting that.
Banyan, Lotus Notes, Outlook, as well as others do this. I think my Pine
did that too.

Jim

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Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

462. [aprssig] Re: List setup

From: "Spider" <spider@rivcom.net>
Date: Thu, 13 Jun 2002 11:32:49 -0700
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-84791-2002.06.13-14.09.39--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

----- Original Message -----
From: "Bob Bruninga" <bruninga@usna.edu>
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Sent: Thursday, June 13, 2002 7:53 AM
Subject: [aprssig] Re: List setup

> On Thu, 13 Jun 2002, David VanHorn wrote:
>
> > At 08:17 PM 6/12/2002 -0400, Ronald Reams wrote:
> > >John, there are apparently two names for this list.
> > >
> > >When respondin' to a person that uses the opposite name that you do,
> > >it will give a reply to both iterations of the list name.
> >
> > Exactly
>
> But although it puts them both in the ADDRESS field, the TAPR email
> program is smart enough to recongnize the DUPE, and only one of them goes
> out to the list..

I guess RFC822 would be worth reviewing.

Jim

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Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

463. [aprssig] Re: List setup

From: "Mike Yetsko" <myetsko@insydesw.com>
Date: Thu, 13 Jun 2002 14:34:22 -0400
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-84792-2002.06.13-14.12.29--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

> Why on earth do I want to send two messages? It's a group discussion!
> That's what people are moaning and groaning about and the fix is very
> simple! In my case, and I can't speak for others, when I use Reply-All,
the
> tapr list is in the Carbon Copy.

This is NOT how my machine works, or my laptop, or my work machine,
or the laptop I kept at a contract site, or the machine in the lab.

And it may NOT be a group discussion. I responded to you privately
on at least one of these, and you turned around and sent it to the list.
I
sent it private to keep it OFF the list. And I think there are valid
times
to do that.

I prefer to think of 'Reply' as meaning reply to the poster, and 'Reply
All'
as reply to the list.

> Normally, when you hit Reply to a group message the reply goes back to
the
> group. This is the norm. When you hit Reply-All it still sends the
reply
> to the group and a CC: to the "originator. Most all listserv's I know
of
> are set that way, which is what is reasonible to expect because most
> software is expecting that.
> Banyan, Lotus Notes, Outlook, as well as others do this. I think my
Pine
> did that too.

Maybe normal for you, but again, on ALL the machines I use, and ALL
my list (it was more, but currently only 2 'private' list and 2 HAM radio
list, the TAPR and QRP) NONE of the list or machines I use operate
the way you describe.

On EVERY platform, on all 4 current list (and on others that I have
dropped in the past!) hitting REPLY went to the original submitter and
ONLY the original submitter. Hitting REPLAY ALL sends to the
original submitter followed by a semi-colon, followed by the list name
all in the "To:" field. There is NOTHING in the Cc: or Bcc: fields.
(And they've generally worked this way for a while, except for the short
time Stan was experimenting with how to improve the functionality
and decided to come back to this.)

Please don't confuse how YOUR system works with how you think
EVERYBODYs systems works, or how you THINK they should work.

Mike

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464. [aprssig] third

From: Jon Anhold <jon@snoopy.net>
Date: Thu, 13 Jun 2002 16:14:38 -0400
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-84797-2002.06.13-15.51.11--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Third will be down for a bit while the machine is physically moved back to
it's perminent home.

(It moved last wednesday to get back online after some guy had fun with a
backhoe here in Ohio..)

Shouldn't be down more than an hour.

-j

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---

465. [aprssig] Re: [amsat-bb] Re: APRS Field Day operation 2002

From: "Tim Cunningham" <tim_cunningham@mindspring.com>
Date: Thu, 13 Jun 2002 15:42:22 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>,
<amsat-bb@AMSAT.Org>
Message-ID: <LYR842-84799-2002.06.13-16.20.00--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Bob,

The AMSAT Field Day rules are restrictive in the area of APRS for
PCsat and ISS digipeating if you have not read those rules. They can
be found at http://www.amsat.org/amsat/activities/amsatfd.html

The text below is verbatim from the AMSAT rules concerning APRS
message contacts via ISS and PCsat:

"Satellite digipeat QSO's and APRS short-message contacts are worth three
points each, but must be complete verified two-way exchanges. Remember,
only one digipeat contact is allowed for the ISS and one for PCSat."

Since the ARRL rules do not single out PCsat and ISS, there is some
discontinuity that may create some concern if somebody acknowledges
more than one station via these orbiting digipeaters.

73's.

Tim - N8DEU
Huntsville, Alabama

----- Original Message -----
From: "Bob Bruninga" <bruninga@usna.edu>
To: "Harry Burford" <res09c48@verizon.net>
Cc: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>;
<amsat-bb@AMSAT.Org>
Sent: Thursday, June 13, 2002 8:49 AM
Subject: [amsat-bb] Re: [aprssig] APRS Field Day operation 2002

> On Thu, 13 Jun 2002, Harry Burford wrote:
>
> > I'm looking for a short discussion listing procedures and suggested set
up
> > on how one might use APRS and maximize band width utilization during FD
and
> > make digital contacts. I'm sure many stations will at least have an
APRS
> > station set up for the demonstration station bonus.
>
> APRSdos and APRStk have a built-in QSL mode for FielDay.
> See FIELDAY.TXT included in all copies of APRSdos. It is also posted on:
>
> http://web.usna.navy.mil/~bruninga/APRS-docs/FIELDDAY.TXT

```
>
> But anyone may do it manually as well.  Here is the best way to make the
> maximum 2-way QSO's with minimum QRM:
>
> 1) Set your POSITION Text to your FD report.  (CQ FD, 1A-MD)
>    (1A is station type and MD is our ARRL section)
> 2) Watch for other stations sending same
> 3) When you have accumulated several, send a single Bulletin
>
>    TO: BLN#1A-MD  MSG: QSL W1ABC,W2XYZ,N3APC,W4XYZ,N5ABC
>
> 4) As each new station appears, then ADD them to the SAME Bulletin above
>    and delete the previous outgoing packet..
>
> This way you ONLY have one outgoing packet on the air at a time, yet you
> are QSLing as many as 8 stations at a time...  Thus for 8 stations
> to log 8 completed two way QSO's, you dont need 64 separate APRS
> messages on the air at once, but only 8.  One from each of the 8
> stations..
>
> WHen you finish the first 8, then bump up the BLN# by 1 and keep
> going.  Always kill the old outgoing BLNs to minimize QRM.
>
> You may count as a valid QSO, any station that you have RECEIVED
> and QSL'ed that has also then included YOU in his QSL bulletin...
>
> de WB4APR, Bob
>
> PCsat WEB  page     http://www.ew.usna.edu/~bruninga/pcsat.html
> ISS-APRS FAQ:       http://www.ew.usna.edu/~bruninga/iss-faq.html
> CUBESAT Designs     http://www.ew.usna.edu/~bruninga/cubesat.html
> APRS LIVE pages     http://www.ew.usna.edu/~bruninga/aprs.html
> APRS SATELLITES     http://www.ew.usna.edu/~bruninga/astars.html
>
>
> ----
> Via the amsat-bb mailing list at AMSAT.ORG courtesy of AMSAT-NA.
> To unsubscribe, send "unsubscribe amsat-bb" to Majordomo@amsat.org
```

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Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

---

466. [aprssig] RE: DOS Machine time sync

From: "Bob D." <n2iph@comcast.net>
Date: Thu, 13 Jun 2002 16:53:12 -0400
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-84800-2002.06.13-16.30.19--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

If your DOS machine is running IBM's version of DOS (IBM-DOS 5 or better) I believe you should have available some basic LAN functions such as connecting to shares via the NET USE \\sharedrive from the CMD prompt. If so then you can probably use the

```
NET TIME \\servername /set /Y
```

command to set your time. If you leave the /Y switch off then you will be prompted with a comparison of the two machine's times and can then select to sync your clock to the time server or not.

At the DOS prompt type;

```
NET TIME /?  <enter>
```

for help, and you should see something similar to this:

```
Z:\>net time /?
The syntax of this command is:


NET TIME
[\\computername | /DOMAIN[:domainname] | /RTSDOMAIN[:
         [\\computername] /QUERYSNTP
         [\\computername] /SETSNTP[:ntp server list]
```

Hope this helps. Of course the machine you are syncing to needs to be

accurate. Try the free time server software at www.analogx.com , look
under network tools/software.

73...Bob
N2IPH

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Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

467. [aprssig] winaprs web server?

From: "Wes Johnston" <wes@johnston.net>
Date: Thu, 13 Jun 2002 16:55:02 -0400
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-84801-2002.06.13-16.32.04--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

I just installed 2.6.1 , was hoping to find the map blast lookups fixed...
but alas, I still can't see maps of stations from the web server.

Wes

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468. [aprssig] 30 meters on Kenwood 2000?

From: N4QWF@aol.com
Date: Thu, 13 Jun 2002 16:58:06 EDT
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-84802-2002.06.13-16.35.13--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Well, I was helping my friend WD4GYW get things setup for his ride to
Minnesota next week. I offered my Kam version 5 for the HF APRS and got a HSP
cable from another friend to use. He has a new Kenwood 2000 a really nice
radio. With the outbacker on the truck it would really do a nice job. Trouble
came when we tried to tune to 10.151. The radio wont TX there as it is said
to be out of band in the docs. Now ain't that a hoot.

I guess he will be stuck with 14.105?

I listened there and found some APRS going on. Anyone know if there is
gateway cover on that band or not. There are a few of use that would like to
take this ride with him and who knows some of the other APRS's around the
country might like to follow his progress as well.

Ok, lets have a few comments about all this and any ideas about the Kenwood
2000.

73's << John N4QWF

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Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

469. [aprssig] Re: winaprs web server?

From: Mark Sproul <msproul@jove.rutgers.edu>
Date: Thu, 13 Jun 2002 17:08:05 -0400
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-84804-2002.06.13-16.53.50--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

I thought I had that fixed, I will look at it again.

Mark

At 4:55 PM -0400 6/13/02, Wes Johnston wrote:
>I just installed 2.6.1 , was hoping to find the map blast lookups fixed...

```
>but alas, I still can't see maps of stations from the web server.
>
>Wes
>



---
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Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org
```

---

470. [aprssig] Re: 30 meters on Kenwood 2000?

From: Jeff Brenton KA9VNV <jeffb@csrye.org>
Date: Thu, 13 Jun 2002 16:22:32 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: aprssig@tapr.org
Message-ID: <LYR842-84805-2002.06.13-16.59.24--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

```
Read HF.DOC from the APRS/DOS documentation, and you'll see how to
deal with this situation, by tuning using UPPER sideband on a lower
(in band) dial frequency...

Nac> Well, I was helping my friend WD4GYW get things setup for his ride to
Nac> Minnesota next week. I offered my Kam version 5 for the HF APRS and got a HSP
Nac> cable from another friend to use. He has a new Kenwood 2000 a really nice
Nac> radio. With the outbacker on the truck it would really do a nice job. Trouble
Nac> came when we tried to tune to 10.151. The radio wont TX there as it is said
Nac> to be out of band in the docs. Now ain't that a hoot.

Nac> I guess he will be stuck with 14.105?

Nac> I listened there and found some APRS going on. Anyone know if there is
Nac> gateway cover on that band or not. There are a few of use that would like to
Nac> take this ride with him and who knows some of the other APRS's around the
Nac> country might like to follow his progress as well.



--
Best regards,
 Jeff                            mailto:jeffb@csrye.org


---
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Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org
```

---

471. [aprssig] Mic-E encoding

From: Bill Vodall - WA7NWP <wa7nwp@yahoo.com>
Date: Thu, 13 Jun 2002 14:34:17 -0700
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-84808-2002.06.13-17.15.11--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

```
Just now, with a little plodding from friend, I turned off the Mic-E expanding
on the jnos.org APRSD server.  Rumor has it that I'm not the last to do so.

At one time - it was a good thing for clients to expand the Mic-E style
packets.  No longer.

We should be able to come up with some magic sniffer or MySQL query
for findu to show all the encoded packets and probably even trace back to
see where they're coming from.

73,
Bill - WA7NWP



---
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Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org
```

---

472. [aprssig] Re: What's with EMERGENCY MESSAGES???

From: Bill Vodall - WA7NWP <wa7nwp@yahoo.com>
Date: Thu, 13 Jun 2002 14:37:26 -0700
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-84809-2002.06.13-17.18.43--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

If we have "EMERGENCY MESSAGES", wouldn't it be good to have a
corresponding "EMERGENCY CLEAR" message?   Also how about a
procedure that a responding station can use to broadcast (beacon) that
"I'm handling this message."   As it is now, you don't know if a dozen
or zero folks are responding.

Bill

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---

473. [aprssig] Re: winaprs web server?

From: "Dwayne Moffett" <dmoffett@sstelco.com>
Date: Thu, 13 Jun 2002 16:53:21 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-84810-2002.06.13-17.24.43--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Also what is the status of the Weather Display problem, it does not grab the
data?

Dwayne

-----Original Message-----
From: bounce-aprssig-29511@lists.tapr.org
[mailto:bounce-aprssig-29511@lists.tapr.org] On Behalf Of Mark Sproul
Sent: Thursday, June 13, 2002 4:08 PM
To: TAPR APRS Special Interest Group
Subject: [aprssig] Re: winaprs web server?

I thought I had that fixed, I will look at it again.

Mark

At 4:55 PM -0400 6/13/02, Wes Johnston wrote:
>I just installed 2.6.1 , was hoping to find the map blast lookups fixed...
>but alas, I still can't see maps of stations from the web server.
>
>Wes
>

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---
Incoming mail is certified Virus Free.
Checked by AVG anti-virus system (http://www.grisoft.com).
Version: 6.0.370 / Virus Database: 205 - Release Date: 6/5/02

Outgoing mail is certified Virus Free.
Checked by AVG anti-virus system (http://www.grisoft.com).
Version: 6.0.370 / Virus Database: 205 - Release Date: 6/5/02

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---

474. [aprssig] PCsat SATgate down...

From: Bob Bruninga <bruninga@usna.edu>
Date: Thu, 13 Jun 2002 19:21:10 -0400 (EDT)
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>

Message-ID: <LYR842-84819-2002.06.13-18.58.04--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

IGates:

We have just lost one of our primary East coast USA PCsat IGates temporarily and since the next week is our only remaing week of full sun this summer, it would be nice to have a replacement. If anyone East of the Mississippi has a good low-loss antenna system and IGate that they can temproarily QSY over to 145.825 MHs for the next week, it would be appreciated. Thanks.

We will be trying to get GPS data from the onbaord GPS and we depend on the IGates to pick up the 1200 baud data on 145.825. The engineering GPS data will be at 9600 baud on 144.39 next week. SO if you can capture 9600 baud files on that frequency (worldwide), please send them to me... thanks

de WB4APR, BOb

---------- Forwarded message ----------
Date: Thu, 13 Jun 2002 15:10:09 -0500
From: Tim Cunningham <tim_cunningham@mindspring.com>
Subject: Re: [amsat-bb] PCSAT program --Lat/Long problem

My gate is down until after Field Day when the rotor is repaired and the antennas are modified.

Tim - N8DEU

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Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

475. [aprssig] Re: List setup

From: Stan Horzepa <stanzepa@earthlink.net>
Date: Thu, 13 Jun 2002 19:45:29 -0400
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-84822-2002.06.13-19.22.04--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Please take this discussion off the list.

Thank you for your cooperation,

Stan, WA1LOU, SIG administrator

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Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

476. [aprssig] Re: [amsat-bb] Re: APRS Field Day operation 2002

From: Bob Bruninga <bruninga@usna.edu>
Date: Thu, 13 Jun 2002 19:48:31 -0400 (EDT)
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: TAPR APRS Special Interest Group <aprssig@lists.tapr.org>,
    <amsat-bb@AMSAT.Org>
Message-ID: <LYR842-84823-2002.06.13-19.25.17--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

On Thu, 13 Jun 2002, Tim Cunningham wrote:

> AMSAT Field Day rules are restrictive in the area of APRS for PCsat/ISS:
> http://www.amsat.org/amsat/activities/amsatfd.html
>
> "Satellite digipeat QSO's and APRS short-message contacts are worth three
> points each, but must be complete verified two-way exchanges. Remember,
> only one digipeat contact is allowed for the ISS and one for PCSat."

Wow, I had forgotten that. I guess then since it is impossible to have a contact and send LESS than one packet, that ONE QSL packet is the limit. But since in the APRS AUTO-QSL mode, ONE packet can have up to 8 QSL callsigns in it, then I see no problem with everyone limiting themselves to ONLY ONE QSL packet, but they can list as many as 8 calls in their packet if they wish to improve their probabilities of a 2-way.

They can only count ONE QSO, and it only counts if they have both QSL'ed
another call and the other call has QSL'ed them. But this rule does not
prohibit the number of calls you put in your "SINGLE" authorized packet...
or at least that seems to be in the spirit of the objectives of Field Day.

This way, potentialy 64 stations could have valid two-ways on a single
pass with a theorietically minimum of only 64 packets on the air. But
doing it the conventional CONNECTED way, would take 19,845 successful
packets! Impossible.

DETAILS:

Here is how the AMSAT rules define a verified 2-way exchange as taking 3
packets:

1. W6NWG de KK5DO 2A STX
2. KK5DO de W6NWG QSL 5A SDG
3. W6NWG de KK5DO QSL

But since PCsat and ISS are UI digipeats that do not fit the "CONNECTED"
packet protocol model, here is how I interpret that relative to how we
have been doing space digipeter and FD APRS contacts in the past:

1. Is yours and other's APRS position reports with ARRL exchange in it
2. Is your BLN1CQFD bulletin containing the stations you are QSLing
3. Is HIS BLN1CQFD bulletin with YOUR callsign in it..

These are concise, efficient, verified and verifiable 2-way contacts.
(But you can only count one completed 2-way per bird).

de WB4APR, BOb

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---

477. [aprssig] Re: List setup

From: Gerry Creager N5JXS <n5jxs@tamu.edu>
Date: Thu, 13 Jun 2002 19:02:00 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: TAPR APRS Special Interest Group <aprssig@lists.tapr.org>
Message-ID: <LYR842-84824-2002.06.13-19.37.15--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Unfortunately, the MAIL CLIENT doesn't necessarily handle things the way
you'd like. It's not a perfect world, and some of us cannot anticipate
just how you think things should be handled.

The List Manager software (pick your flavor), as configured by the list
administrator (Wave to the people, Stan), set the standard for how the
headers are dealt with.

IF the headers are modified to make reply-to: the list, that's done in
the list software, properly, and should not be done in misbehaving mail
clients. If the reply-to: header is absent or unchanged, then the reply
would go to the originator.

Some lists, not conforming to the real internet norms, modify the From:
header, and not the reply-to: header. These lists will make you reply
to them regardlesss, as they've modified the originating site. This is
NOT good: If I have to troubleshoot a problem and you've obfuscated the
origiation site, it makes my life unpleasant, and I'll tell the person
with problems, to take a hike.

What you're promoting is orthogonal to the intent of most of the list
software I'm aware of.

As Stan has indicated, the changes you'd prefer were instituted
recently. Over the course of an interminable period (couple of weeks?
Month?) I was prepared to completely leave the list, because it's not
what I expected. I prefer to respond directly most of the time, as my
technical responses have caused some consternation in some folk. Rather
than causing them grief, I've just used the NORMAL behavior of the list
to my advantage.

Stan, Thanks again for putting the list software back to rights.

Gerry N5JXS

Spider wrote:
> ----- Original Message -----
> From: "Bob Bruninga" <bruninga@usna.edu>
> To: "Spider" <spider@rivcom.net>
> Cc: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
> Sent: Thursday, June 13, 2002 7:52 AM
> Subject: Re: [aprssig] Re: List setup
>
>
>
>>On Thu, 13 Jun 2002, Spider wrote:
>>
>>
>>>Come on Bob! You are going to sit here and tell me the over 90% of the
>>>users of email lists use Pine?
>>>Give me a break.
>>
>>No, probably 2% or less....   But do you mean to tell me that you are
>>using an email program that cannot REPLY-TO-ALL?
>
>
> Why on earth do I want to send two messages? It's a group discussion!
> That's what people are moaning and groaning about and the fix is very
> simple! In my case, and I can't speak for others, when I use Reply-All, the
> tapr list is in the Carbon Copy.
>
>
>>That is what PINE does. Two key strokes: R for REPLY and Y for "yes,
>>to-all".. I certainly am not suggesting others use ancient PINE, but
>>it seems that if the newer and fancier email programs cannot REPLY-TO-ALL,
>>then something is wrong...
>
>
> I used Pine in the early 80's and not much has changed with it. It was a
> PITA then, and still is. Email programs have advance in regards to user
> convinence a whole bunch since then!
> Normally, when you hit Reply to a group message the reply goes back to the
> group. This is the norm. When you hit Reply-All it still sends the reply
> to the group and a CC: to the "originator. Most all listserv's I know of
> are set that way, which is what is reasonible to expect because most
> software is expecting that.
> Banyan, Lotus Notes, Outlook, as well as others do this. I think my Pine
> did that too.

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To unsubscribe send a blank email to leave-aprssig-842K@lists.tapr.org
Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

---

478. [aprssig] Can someone please explain

From: "Andrew Rich" <andrew.rich@bigpond.com>
Date: Fri, 14 Jun 2002 10:01:58 +1000
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-84825-2002.06.13-19.37.54--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Can someone please explain how I would digi third party packets ?

I want to re-send

```
VK3ZV-2>APU24P,TCPIP,VK4TO*,VK4GME-3 <UI>:=3801.45SI14622.66ElConnected To Internet. {UIV32}
```

Do I strip of everything after the "*" ie drop VK4GME-3, does it become:- ?

```
vk4tec>aprs,relay,wide <ui>:}VK3ZV-2>APU24P,TCPIP,VK4TO* <UI>:=3801.45SI14622.66ElConnected To Internet.
 {UIV32}
```

Andy

Andrew Rich
Callsign: VK4TEC
andrew.rich@bigpond.com
www.users.bigpond.com/andrew.rich/vk4tec.htm

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Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

479. [aprssig] Re: What's with EMERGENCY MESSAGES???

From: Bob Bruninga <bruninga@usna.edu>
Date: Thu, 13 Jun 2002 20:03:13 -0400 (EDT)
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: TAPR APRS Special Interest Group <aprssig@lists.tapr.org>
Message-ID: <LYR842-84826-2002.06.13-19.40.16--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

On Thu, 13 Jun 2002, Bill Vodall - WA7NWP wrote:

> If we have "EMERGENCY" [packets], wouldn't it be good to have a
> corresponding "EMERGENCY CLEAR" [packet]?   Also how about a
> procedure that a responding station can use to broadcast (beacon) that
> "I'm handling this message."   As it is now, you don't know if a dozen
> or zero folks are responding.

Its built-in to the APRS system as originally defined::

Anyone can cancel any such packet on APRS. All they need to do is send an APRS OBJECT with an exact match to the callsign of the original. This will show ALL stations that your station is taking over reporting responsibility for that callsign. THEN send a KILL OBJECT for that same object.

This will kill the original station callsign. In APRSdos, a killed station/object turns to a barely perceptible dark gray ICON and no callsign on the map and it will be clearly marked as a killed object and with the callsign of the station who took over reporting and killed it... But it is retained (as a clearly marked KILLED obejct for future reference if needed)... This accoutability is fundamental to OBJECT reporting and Killed objects in APRS.

That is how APRS is supposed to work anyway. But it has recently come to my attention that not all APRS software implemented OBJECTS and KILL OBJECTS properly due to some potential for missinterpretation of the SPEC. The original APRS design defined objects and stations with the same "name" as identical and indistinguishable (except that the sender of an OBJECT is always associated with an Object). The above example is just one of the reasons for the interchangeablity of stations and objects.

de WB4APR, Bob

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Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

480. [aprssig] Re: PCsat SATgate down...

From: John Kraus <jfkraus2@cox.net>
Date: Thu, 13 Jun 2002 20:15:49 -0400
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-84827-2002.06.13-19.52.20--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Bob and the list,

I have a good system
Dedicated computer with cable modem
Dedicated radio feeding
1/4 wave ground plane at 20 feet
25 ft run of low loss coax

I will QSY it over tomorrow. Using a cable modem I should be able to provide a full time feed for the duration.

Questions will APRS + be sufficient for the IGate function or is there a special version of APRSdos required? I am willing to D/L if needed.

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481. [aprssig] KF4OTN-12

From: Earl Needham <needhame@yucca.net>
Date: Thu, 13 Jun 2002 18:21:09 -0600
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-84828-2002.06.13-20.01.33--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

```
Is the latest to send an EMERGENCY packet.  He's in Greenville, NC --
anybody else on in that area that can check on him?

        KF4OTN-12>APK101,TCPIP,KG6EHS*:@022215z3534.80N/07718.96Wj161/000/Mic-E/M7/
KF4OTN-12>APK101,TCPIP,KG6EHS*:@022215z3534.80N/07718.96Wj161/000/Mic-E/M7/E
MERGENCY!>

        7 3
        Earl


Earl Needham, KD5XB, Clovis, New Mexico  DM84jk
KD5XB-2>APW251,PCSAT-1*:=3425.83N/10313.55W-PHG7150/WinAPRS 2.5.1
-EARL_CLOVIS -251-<630>
Did you get a letter from Nigeria offering a "deal"?  See
http://home.rica.net/alphae/419coal/ and
http://www.crimes-of-persuasion.com/Crimes/Business/nigerian.htm



---
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```

482. [aprssig] Re: PCsat SATgate down...

From: Bill Vodall - WA7NWP <wa7nwp@yahoo.com>
Date: Thu, 13 Jun 2002 17:39:00 -0700
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-84829-2002.06.13-20.15.50--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

```
>
>Questions will APRS + be sufficient for the IGate function or is there a
>special version of APRSdos required?  I am willing to D/L if needed.


APRSPLUS works good for PCSAT...   I'm going to turn mine on for the
next week too to catch a few extra packets from the other coast.

One trick is to go to Setup-Settings and the IGATE tree selection.  Set

   AddUniqueID=1

and

   UniqueID=WA7NWP,I

(Use your call...)

Then when you check on  http://pcsat.findu.com - you'll see which packets the
system has heard through your IGATE.

73,
Bill






---
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```

483. [aprssig] Re: KF4OTN-12

From: "Eric Christensen, KF4OTN" <kf4otn@cox.net>
Date: Thu, 13 Jun 2002 21:02:37 -0400
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-84830-2002.06.13-20.39.16--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

I'm OK! I don't know what happened exactly. I am running a D700 in
the Jeep and did not change it to Emergency!. I did start the
vehicle with the radio on (I know... BAD BOY!) and the radio did go
down for a moment... I guess it could have scrambled for that
moment.

I just got a phone call on it so I am investigating it more.

Thanks,
Eric KF4OTN

----- Original Message -----
From: "Earl Needham" <needhame@yucca.net>
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Sent: Thursday, June 13, 2002 20:21
Subject: [aprssig] KF4OTN-12

Is the latest to send an EMERGENCY packet. He's in Greenville, NC --
anybody else on in that area that can check on him?

```
KF4OTN-12>APK101,TCPIP,KG6EHS*:@022215z3534.80N/07718.96Wj161/000/Mic
-E/M7/
KF4OTN-12>APK101,TCPIP,KG6EHS*:@022215z3534.80N/07718.96Wj161/000/Mic
-E/M7/E
MERGENCY!>
```

7 3
Earl

Earl Needham, KD5XB, Clovis, New Mexico DM84jk
KD5XB-2>APW251,PCSAT-1*:=3425.83N/10313.55W-PHG7150/WinAPRS 2.5.1
-EARL_CLOVIS -251-<630>
Did you get a letter from Nigeria offering a "deal"? See
http://home.rica.net/alphae/419coal/ and
http://www.crimes-of-persuasion.com/Crimes/Business/nigerian.htm

---
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Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

---

484. [aprssig] Re: KF4OTN-12

From: "Ronald Reams" <wa4mjf@worldnet.att.net>
Date: Thu, 13 Jun 2002 21:19:07 -0400
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-84838-2002.06.13-20.55.42--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

The radio was probably lettin' us know it was bein'
abused :-)

73 de Ronnie

----- Original Message -----
From: "Eric Christensen, KF4OTN" <kf4otn@cox.net>
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Sent: Thursday, June 13, 2002 21:02
Subject: [aprssig] Re: KF4OTN-12

I'm OK! I don't know what happened exactly. I am running a D700 in
the Jeep and did not change it to Emergency!. I did start the

vehicle with the radio on (I know... BAD BOY!) and the radio did go
down for a moment... I guess it could have scrambled for that
moment.

I just got a phone call on it so I am investigating it more.

Thanks,
Eric KF4OTN

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485. [aprssig] Re: KF4OTN-12

From: "Spider" <spider@rivcom.net>
Date: Thu, 13 Jun 2002 18:23:18 -0700
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-84839-2002.06.13-21.00.12--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

----- Original Message -----
From: "Eric Christensen, KF4OTN" <kf4otn@cox.net>
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Sent: Thursday, June 13, 2002 6:02 PM
Subject: [aprssig] Re: KF4OTN-12

> I'm OK! I don't know what happened exactly. I am running a D700 in
> the Jeep and did not change it to Emergency!. I did start the
> vehicle with the radio on (I know... BAD BOY!) and the radio did go
> down for a moment... I guess it could have scrambled for that
> moment.
>
> I just got a phone call on it so I am investigating it more.

Man, I'd sell that car!!!

Jim

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Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

486. [aprssig] Re: KF4OTN-12

From: Bob Bruninga <bruninga@usna.edu>
Date: Thu, 13 Jun 2002 21:33:32 -0400 (EDT)
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: TAPR APRS Special Interest Group <aprssig@lists.tapr.org>
Message-ID: <LYR842-84840-2002.06.13-21.10.17--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

On Thu, 13 Jun 2002, Earl Needham wrote:

> Is the latest to send an EMERGENCY packet. He's in Greenville, NC --
> anybody else on in that area that can check on him?
>
> KF4OTN-12>APK101,TCPIP,KG6EHS*:@022215z3534.80N/07718.96Wj161/000/Mic-E/M7/E
> MERGENCY!>

The more important thing to fix here is to get the local IGate to stop
converting Mic-E packets. All of the APRS IGate software can now pass the
original 8 bit Mic-E formats to the internet, so we need to have all
IGates stop doing the conversion locally (which in some implementations
separates the STATUS text from the POSITION format).

Bob

```
---
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Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org
```

487. [aprssig] Re: KF4OTN-12

From: "Eric Christensen, KF4OTN" <kf4otn@cox.net>
Date: Thu, 13 Jun 2002 21:41:26 -0400
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-84842-2002.06.13-21.18.05--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

```
Bob,
I'm pretty sure that my IGATE (KF4OTN) was the one that sent it to
the internet...  I'm running WinAPRS 2.5.1 as my IGATE...  how do I
stop it from converting?

Eric KF4OTN



----- Original Message -----
From: "Bob Bruninga" <bruninga@usna.edu>
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Sent: Thursday, June 13, 2002 21:33
Subject: [aprssig] Re: KF4OTN-12


On Thu, 13 Jun 2002, Earl Needham wrote:

> Is the latest to send an EMERGENCY packet.  He's in Greenville,
NC --
> anybody else on in that area that can check on him?
>
>
KF4OTN-12>APK101,TCPIP,KG6EHS*:@022215z3534.80N/07718.96Wj161/000/Mic
-E/M7/E
> MERGENCY!>

The more important thing to fix here is to get the local IGate to
stop
converting Mic-E packets.  All of the APRS IGate software can now
pass the
original 8 bit Mic-E formats to the internet, so we need to have all
IGates stop doing the conversion locally (which in some
implementations
separates the STATUS text from the POSITION format).

Bob





---
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```

488. [aprssig] Re: KF4OTN-12

From: "Spider" <spider@rivcom.net>
Date: Thu, 13 Jun 2002 18:59:23 -0700
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-84846-2002.06.13-21.36.17--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

----- Original Message -----
From: "Bob Bruninga" <bruninga@usna.edu>
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Sent: Thursday, June 13, 2002 6:33 PM
Subject: [aprssig] Re: KF4OTN-12

!>
>
> The more important thing to fix here is to get the local IGate to stop
> converting Mic-E packets. All of the APRS IGate software can now pass the
> original 8 bit Mic-E formats to the internet, so we need to have all
> IGates stop doing the conversion locally (which in some implementations
> separates the STATUS text from the POSITION format).
>
> Bob

Bob, I just switched to UI-View about a week ago. From what I can see, it
does not convert the Mic-E packets.
What I REALLY like about UI-View (from an Igate point of view) is the Igate
Window.
This window is split in two. One side shows RF to Inet packets and the
other side shows Inet to RF packets!
Very Very nice feature for me!! WinAPRS was sending about 4 packets to the
Inet for every Mic-e packet received. I just could not stand knowing that.
Ui-View also appends my call to the RF to Igate packets....which I really
like. It makes Igates more responsible, IMHO and is a good tool for the
guru's tracking trouble.
I got to tell you folks, if you just run an Igate, try the 32 bit version of
UI-View. Roger is great at helping and the darn thing actually does what
you tell it to do. That was certainly new to me!!

Jim

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489. [aprssig] Re: KF4OTN-12

From: "Spider" <spider@rivcom.net>
Date: Thu, 13 Jun 2002 19:29:36 -0700
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-84849-2002.06.13-22.06.30--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

..----- Original Message -----
From: "Bob Bruninga" <bruninga@usna.edu>
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Sent: Thursday, June 13, 2002 6:33 PM
Subject: [aprssig] Re: KF4OTN-12

I sent this twice cause the system said it did not send it the first
time....sorry if it's a double...
!>
>
> The more important thing to fix here is to get the local IGate to stop
> converting Mic-E packets. All of the APRS IGate software can now pass the
> original 8 bit Mic-E formats to the internet, so we need to have all
> IGates stop doing the conversion locally (which in some implementations
> separates the STATUS text from the POSITION format).
>
> Bob

Bob, I just switched to UI-View about a week ago. From what I can see, it
does not convert the Mic-E packets.
What I REALLY like about UI-View (from an Igate point of view) is the Igate
Window.
This window is split in two. One side shows RF to Inet packets and the
other side shows Inet to RF packets!
Very Very nice feature for me!! WinAPRS was sending about 4 packets to the
Inet for every Mic-e packet received. I just could not stand knowing that.
Ui-View also appends my call to the RF to Igate packets....which I really

like. It makes Igates more responsible, IMHO and is a good tool for the
guru's tracking trouble.
I got to tell you folks, if you just run an Igate, try the 32 bit version of
UI-View. Roger is great at helping and the darn thing actually does what
you tell it to do. That was certainly new to me!!

Jim

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490. [aprssig] Re: is SA on?

From: "Dennis" <walkerdh@telusplanet.net>
Date: Tue, 11 Jun 2002 17:23:59 -0600
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-84850-2002.06.13-22.06.49--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Lay off the coctails
----- Original Message -----
From: Bob K8YS & Janet N8LBR <jbcraft@adelphia.net>
To: TAPR APRS Special Interest Group <aprssig@lists.tapr.org>
Sent: Tuesday, June 11, 2002 10:42 AM
Subject: [aprssig] is SA on?

> I have been off APRS for too long, is SA turned on again?
>
> While watching from my hotel high above the SF Bay, the hotel moved a
lot...
> no, I thought of that too, but it was not an earthquake.
>
> 73 Bob K8YS
>
>
> ---
> You are currently subscribed to aprssig as: walkerdh@telusplanet.net
> To unsubscribe send a blank email to leave-aprssig-842K@lists.tapr.org
> Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org
>

You are currently subscribed to aprssig as: jnetterville@nc.rr.com
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Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

491. [aprssig] Re: 40.50

From: "Ronald Reams" <wa4mjf@worldnet.att.net>
Date: Tue, 11 Jun 2002 09:37:44 -0400
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: "APRS Sig" <aprssig@lists.tapr.org>
Message-ID: <LYR842-84852-2002.06.13-22.13.49--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

The idea is.....snuffy sees a helo and wants to
call it. Well, not knowin' usually what unit it
belongs to and certainly not havin' their
CEOI, he can come up on 40.50 and
contact it.

73 de Ronnie

----- Original Message -----

From: "Eric Christensen, KF4OTN" <kf4otn@cox.net>
To: "Ronald Reams" <wa4mjf@worldnet.att.net>
Sent: Tuesday, June 11, 2002 09:29
Subject: Re:

Does anyone still use 40.5?

----- Original Message -----
From: "Ronald Reams" <wa4mjf@worldnet.att.net>
To: "Eric Christensen, KF4OTN" <kf4otn@cox.net>
Cc: "APRS Sig" <aprssig@lists.tapr.org>
Sent: Tuesday, June 11, 2002 09:28
Subject: Re:

40.50 MHz (36F3) is the Army Air Corps (man it's good to see the ole wing and prop back) guard channel.

That is WA4MJF-1 which is an APRSDAT station. It send info to the satelite radios (D-7 etc) so that they can work the birds that are easy to work without a complex skyhook.

You can find more info at www.TEARA.org

73 de Ronnie

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---
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Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

492. [aprssig] List behavior!

From: "Mike Yetsko" <myetsko@insydesw.com>
Date: Thu, 13 Jun 2002 22:41:03 -0400
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-84853-2002.06.13-22.19.10--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

WOW!! When I wrote this (the message in question), you can SEE it was June 10 at 2:33pm. But it JUST now showed up in my list messages at 8:21pm tonight, June 13th!

I know that there can be some weird anomalies when individual messages get retried and 'out of order', but I think this is the worst one I've seen happen.

Now, the question becomes... Was it ME getting TO the list, or my post to the list getting BACK to ME?

Mike

----- Original Message -----
From: "Mike Yetsko" <myetsko@insydesw.com>
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Sent: Monday, June 10, 2002 2:33 PM
Subject: [aprssig] Re: Tripmate mod

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Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

493. [aprssig] Re:

From: "Ronald Reams" <wa4mjf@WORLDNET.ATT.NET>
Date: Tue, 11 Jun 2002 10:15:58 -0400
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: "APRS Sig" <aprssig@lists.tapr.org>
Message-ID: <LYR842-84854-2002.06.13-22.26.01--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

```
I think the WARTHOG is the only USAF fixed wing
with VHF Lo Band.  Interstin'ly enough the 74th FW down
at Pope (or at least where they're based) has 40.50 MHz
in their frequncy list.

73 de Ronnie


----- Original Message -----
From: "Sadowski, Allan" <allan.sadowski@ncshp.org>
To: "'Ronald Reams'" <wa4mjf@worldnet.att.net>
Sent: Tuesday, June 11, 2002 10:02
Subject: RE: [aprssig] Re:


I'm retired Military.....  flew HH-60G's and F-16's as a flight test
engineer... also tiny time on Rivet Joint and AWACS (NOT a pilot... OT&E
Flight Test Engineer... data taker and general pain in the posterior for
Test Pilots in multi seat aircraft... had to make'm redo test profiles to
get better data a few times... ha ha ha)

And... if it's DoD and flies... it has 253.0 MHz....  required for
interoperability... and though the Army was the last to the party on this
one... the double shoot down of two BlackHawks ten years ago in Iraq....
sealed the fate of common commo for Military Aviation... BTW... this freq is
recognized by most of the worlds Military as Guard...

P. A. Sadowski (BSEE, MSIST, Mustang Major - USAF Regular Retired)
North Carolina State Highway Patrol / Information Management Unit
Network Manager/Network Engineer

"Never ascribe to Malice that which can adequately be explained by
Stupidity"
                                                      - Lazarus Long

"God only made two things infinite - the Universe and man's stupidity, and
I'm not sure about the former"
      - Albert
Einstein



---
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You are currently subscribed to aprssig as: lyris.aprssig@tapr.org
To unsubscribe send a blank email to leave-aprssig-842K@lists.tapr.org
Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org
```

494. [aprssig] Re:

From: "Ronald Reams" <wa4mjf@WORLDNET.ATT.NET>
Date: Tue, 11 Jun 2002 09:33:29 -0400
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: "APRS Sig" <aprssig@lists.tapr.org>
Message-ID: <LYR842-84855-2002.06.13-22.26.26--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

```
Well, in an Emergency....that's why is is a guard
frequency.  Once it a while, you'll here some one on
there that thinks they're on the intercom and they're on
the air.  :-)  Easy enough to do!

73 de Ronnie


----- Original Message -----
```

From: "Eric Christensen, KF4OTN" <kf4otn@cox.net>
To: "Ronald Reams" <wa4mjf@worldnet.att.net>
Sent: Tuesday, June 11, 2002 09:29
Subject: Re:

Does anyone still use 40.5?

You are currently subscribed to aprssig as: jnetterville@nc.rr.com
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Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

---

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Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

---

495. [aprssig] Re:

From: "Ronald Reams" <wa4mjf@worldnet.att.net>
Date: Tue, 11 Jun 2002 09:28:46 -0400
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: "APRS Sig" <aprssig@lists.tapr.org>
Message-ID: <LYR842-84856-2002.06.13-22.29.49--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

40.50 MHz (36F3) is the Army Air Corps (man it's good to see the ole wing and prop back) guard channel.

That is WA4MJF-1 which is an APRSDAT station. It send info to the satelite radios (D-7 etc) so that they can work the birds that are easy to work without a complex skyhook.

You can find more info at www.TEARA.org

73 de Ronnie

----- Original Message -----
From: "Eric Christensen, KF4OTN" <kf4otn@cox.net>
To: "Ronald Reams" <wa4mjf@worldnet.att.net>
Sent: Tuesday, June 11, 2002 09:22

What exactly do you have running there at your station?!? I see sats and DX information on SATS and see the bullitens that you have running. Very impressive.

Also, what is 40.50?!? I recognized all the other frequencies but that one.

Eric KF4OTN

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Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

---

496. [aprssig] Re: List behavior!

From: "W5JSR" <w5jsr@arrl.net>
Date: Thu, 13 Jun 2002 21:54:29 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-84857-2002.06.13-22.31.41--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Must have drifted through a USPS server....

----- Original Message -----
From: "Mike Yetsko" <myetsko@insydesw.com>
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Sent: Thursday, June 13, 2002 9:41 PM
Subject: [aprssig] List behavior!

> WOW!! When I wrote this (the message in question), you can SEE it
> was June 10 at 2:33pm. But it JUST now showed up in my list messages
> at 8:21pm tonight, June 13th!
>
> I know that there can be some weird anomalies when individual
> messages get retried and 'out of order', but I think this is the worst one
> I've seen happen.
>
> Now, the question becomes... Was it ME getting TO the list, or my
> post to the list getting BACK to ME?
>
> Mike
>
>
>
> ----- Original Message -----
> From: "Mike Yetsko" <myetsko@insydesw.com>
> To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
> Sent: Monday, June 10, 2002 2:33 PM
> Subject: [aprssig] Re: Tripmate mod
>
>
>
> ---
> You are currently subscribed to aprssig as: w5jsr@arrl.net
> To unsubscribe send a blank email to leave-aprssig-842K@lists.tapr.org
> Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org
>

You are currently subscribed to aprssig as: lyris.aprssig@tapr.org
To unsubscribe send a blank email to leave-aprssig-842K@lists.tapr.org
Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

497. [aprssig] Re: List behavior!

From: Robbie Robertson <mwrobertson@attbi.com>
Date: Thu, 13 Jun 2002 22:18:13 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: TAPR APRS Special Interest Group <aprssig@lists.tapr.org>
Message-ID: <LYR842-84863-2002.06.13-22.55.01--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Mike, I just got three duplicate posts from Ronald that were originally
sent Tuesday morning!!

What is happening????

Robbie, wa9inf

Mike Yetsko wrote:
>
> WOW!! When I wrote this (the message in question), you can SEE it
> was June 10 at 2:33pm. But it JUST now showed up in my list messages
> at 8:21pm tonight, June 13th!
>
> I know that there can be some weird anomalies when individual
> messages get retried and 'out of order', but I think this is the worst one
> I've seen happen.
>
> Now, the question becomes... Was it ME getting TO the list, or my
> post to the list getting BACK to ME?
>
> Mike
>
> ----- Original Message -----
> From: "Mike Yetsko" <myetsko@insydesw.com>
> To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
> Sent: Monday, June 10, 2002 2:33 PM
> Subject: [aprssig] Re: Tripmate mod

```
>
> ---
> You are currently subscribed to aprssig as: mwrobertson@attbi.com
> To unsubscribe send a blank email to leave-aprssig-842K@lists.tapr.org
> Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

---
You are currently subscribed to aprssig as: lyris.aprssig@tapr.org
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Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org
```

498. [aprssig] How To GATE?

From: wa4tkg@attbi.com
Date: Fri, 14 Jun 2002 03:41:50 +0000
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-84867-2002.06.13-23.18.29--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

```
These guys are coming in on 14.105.5(LSB)
I want to know what to put in MY PATH, to get them
to gate thru me, onto the local 2M network (APRS).
What to do?

*running PK-900; Gate set to GATE,WIDE

F8KOM-14>F6KOB-14*>WIDE7-4>TRACE7-7>APU24P [UI]:=/5aSnNhEg#  BDIGI F
F4BWT>F6KRK>F5KEE-4*>WIDE>APRS [UI]:!4832.68N\00133.15E#APRS DIGI 28
F1HCI-12>F1EUC-2>F5KEE-4*>TRACE7-6>WX [UI]:=4843.70N/00215.14E_317/0
F8KRH*>WIDE7-1>TRACE7-7>APU16M [UI]:=/5t/CO+)lm  B@Adrasec/91 - Pref

---
You are currently subscribed to aprssig as: lyris.aprssig@tapr.org
To unsubscribe send a blank email to leave-aprssig-842K@lists.tapr.org
Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org
```

499. [aprssig] Re: List behavior!

From: Roger Grady <k9opo@comteck.com>
Date: Thu, 13 Jun 2002 23:09:15 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: TAPR APRS Special Interest Group <aprssig@lists.tapr.org>
Message-ID: <LYR842-84869-2002.06.13-23.42.38--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

```
At 10:18 PM 6/13/02 -0500, Robbie Robertson wrote:
>Mike, I just got three duplicate posts from Ronald that were originally
>sent Tuesday morning!!
>
>What is happening????

I just got back from vacation tonight (6/13). I was reading mail while away
and last downloaded mail 6/12 in the evening. Tonight I had a dozen
messages from the list that I'd already seen, variously from the 10th
through the 12th. I thought it was some glitch because I wasn't at home -
apparently not.

Roger Grady  K9OPO

---
You are currently subscribed to aprssig as: lyris.aprssig@tapr.org
To unsubscribe send a blank email to leave-aprssig-842K@lists.tapr.org
Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org
```

500. [aprssig] APRS Perl Help needed

From: "Andrew Rich" <andrew.rich@bigpond.com>
Date: Fri, 14 Jun 2002 14:19:20 +1000
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: "Peter and Heather" <heathernpeter@dnet.aunz.com>,
        "David Page" <David.Page@team.telstra.com>,
        "Neil Lupsic" <Neil.Lupsic@team.telstra.com>
Message-ID: <LYR842-84871-2002.06.13-23.55.13--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

```
Gents,

LINUX

How would I insert the date and time in front of data received from /dev/ttyS16 ?

Would you go:-
```

```
#/usr/bin/perl
open (LINE, "< /dev/ttyS16") or die "Cant open serial"
open (OUT, ">> aprs.log") or die "Cant open file"
while (<LINE>)
{
print 'date' >> aprs.log
print OUT
}
```

Andrew Rich
Callsign: VK4TEC
andrew.rich@bigpond.com
www.users.bigpond.com/andrew.rich/vk4tec.htm

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501. [aprssig] DIGI Identification

From: Bob Bruninga <bruninga@usna.edu>
Date: Fri, 14 Jun 2002 00:22:25 -0400 (EDT)
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-84872-2002.06.13-23.59.12--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Fellow APRS users:

We need to clean up our DIGIpeaters. I just ran a 12 hour capture of all DIGIS from the APRS feed and this is what I got. The surprising number is the total number of undesignated digipeaters that have no marking OVERLAY characters or TEXT saying what they are. THus leaving users in the dark...

Here is the breakdown of the 909 digis by OVERLAY character:

```
 11   U = does RELAY,WIDE,TRACE,WIDEn-N with NOID and other smart stuff
532   N = does RELAY,WIDE,TRACE,WIDEn-N with NOID
  3   I = does RELAY,WIDE,TRACE,WIDEn-N with ID
 86   T = does RELAY,WIDE,TRACE
  3   W = does RELAY,WIDE
 15   R = Does RELAY only
 21   \ = Makes the digi solid green meaning a WIDE,RELAY digi
```

RECOMMENDED CHANGES:

1) The "\" overlay predated 1995 and those digis are probably all RELAY-WIDE. They need to be changed to "W"

2) The digis that are JUST WIDEn-N with no RELAY nor WIDE support are unidentified. I recommend "J" for "JUST WIDEn-N".

3) Although I am pleased to see only a few digis with ID turned on, I assume there are more that are not marked with the "I" overlay. These digis overwrite the SOURCE digi with their own ID and users need to be alerted that the first digi in the path is not the source digi but the LAST digi.

Do we need any other categories?

If we can get ALL digis to use the proper OVERLAY characters, then the USERS will benefit by knowing what area they are in...

OVERLAY CHARACTERS: THe overlay character is the BYTE between the Latitude and Longitude in a standard APRS position packet...

de WB4APR, Bob

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To unsubscribe send a blank email to leave-aprssig-842K@lists.tapr.org
Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

502. [aprssig] DIGI errors?

From: Bob Bruninga <bruninga@usna.edu>
Date: Fri, 14 Jun 2002 00:27:37 -0400 (EDT)
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-84884-2002.06.14-00.04.35--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Here are some DIGI typos I found. If your digi is listed here, you may
have a typo in your BText (or I caught a garble)

K0BOY-1	using an overlay "H" ???
K4MQF-1	using an invalid overlay of "."
KA0MR	has a leading space charactyer
KC4RNF-7	is the only THE-NET digi I found
KC6MFH-3	has an overlay "3" ???
RCHFLD	has "nn" instead of NN for NORTH/N overlay
WX9MKX	is missing the LAT/LONG separator completely...

and non USA stations

CT0XBR-3	was using decimal LAT/LONG
EA1B-8	has an extra space in the format
HI8MUH-2	using an overlay "D" ???

de WB4APR, Bob

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Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

503. [aprssig] Re: APRS Perl Help needed

From: David L Norris <dave@webaugur.com>
Date: 13 Jun 2002 23:59:35 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: "TAPR APRS Special Interest Group <aprssig@lists.tapr.org>
<LYR26593-84871-2002.06.13-23.55.13--kg9ae#webaugur.com@lists.tapr.org>"
<LYR26593-84871-2002.06.13-23.55.13--kg9ae#webaugur.com@lists.tapr.org>
Message-ID: <LYR842-84892-2002.06.14-00.36.17--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

On Thu, 2002-06-13 at 23:19, Andrew Rich wrote:
> Gents,
> How would I insert the date and time in front of data received from /dev/ttyS16 ?

How about something like this:

```
#!/usr/bin/perl

require 5.004;

use strict;

my $INPUT = "test.txt";
my $OUTPUT = "test.log";

open(LINE, "< $INPUT") or die "Cant open serial";
open(OUT, ">> $OUTPUT") or die "Cant open file";

while (<LINE>)
{
my($sec,$min,$hour,$mday,$mon,$year,$wday,$yday,$isdst)=localtime(time);
    $year += 1900;
    my $date = "$year-$mon-$mday $hour:$min:$sec";

    print OUT "$date $_"
}
```

--
 David Norris
  Dave's Web - http://www.webaugur.com/dave/
  Augury Net - http://augur.homeip.net/
  ICQ - 412039

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Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

504. [aprssig] Re: PCsat SATgate down...

From: Adi Linden <adil@adis.on.ca>
Date: Fri, 14 Jun 2002 00:02:46 -0500 (CDT)
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: TAPR APRS Special Interest Group <aprssig@lists.tapr.org>
Message-ID: <LYR842-84893-2002.06.14-00.39.40--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

> We have just lost one of our primary East coast USA PCsat IGates
> temporarily and since the next week is our only remaing week of full sun
> this summer, it would be nice to have a replacement. If anyone East of
> the Mississippi has a good low-loss antenna system and IGate that they can
> temproarily QSY over to 145.825 MHs for the next week, it would be
> appreciated. Thanks.

Is there any documentation on how to work the PCsat and how to iGate them?
Just curious... for now.

Adi
VA3ADI

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To unsubscribe send a blank email to leave-aprssig-842K@lists.tapr.org
Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

505. [aprssig] Re: What's with EMERGENCY MESSAGES???

From: frastephen@comcast.net
Date: Tue, 11 Jun 2002 09:51:11 -0400
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-84909-2002.06.14-04.37.29--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

From: "Eric Christensen, KF4OTN" <kf4otn@cox.net>
> You need to use ALL of your resources available when you are in an
> emergency situation.

I still think we are missing the point here. What EXACTLY does the Position Comment of "EMERGENCY!" mean?

It could mean anything from the sender him/her-self being involved in a serious accident (I understand that really happened in MD once) to someone marking the location of an accident to someone testing their tracker.... That sure is a wide diversity of meannigs. If "EMERGENCY!" mean everything, it means nothing ....

Keith said: "As to the "bottom line" question.... it seems, if "EMERGENCY!"
is to have
any function then it should be assumed that one can expect another to
attempt to discover the nature of the emergency and act appropriately."

I would agree to the above if there was some common understanding that "EMERGENCY!" was equivalent to "MAYDAY", but it is not. I do not believe we can "assume" that "EMERGENCY!" means anything. The spec is silent on this question. There is no commonly acceptable protocol. I am not saying there should not be common protocol, on the contrary, I believe there should be! Right now the "EMERGENCY!" Position Comment sheds little, if any, light and only causes confusion. That is the whole point ... and maybe that is the value of the recent test.

Another bottom line question: If you caught a packet with the Position Comment (perhaps the Kenwood lingo for this feature says it all -- it is a position "Comment") would you feel comfortable taking the responsibility to call 911 with that information? Any 911 mavens out there want to offer an opinion as to what kind of response the typical 911 operator would offer to the following: "I just got a message on my ham radio that says there is an emergency at 40 degrees 8 minutes North and 74 degrees 58 minutes west .... Who is involed in the emergency?   I really don't know.... What is the nature of the emergency? I really don't know ... Should you send a police car? I really don't know ... An ambulance? I really don't know ... A fire truck? ...."

Also, I can't let it pass that this discussion is inspired by some cavalier attitude. Rather it is inspired from a desire to promote precision. As a post-er recently mentioned, International aggreements going back decades already give us standard protocols on this question. Maybe we should HAVE (past tense, with all those Kenwoods and dumb trackers out there the horse is WAY out of the barn on this one) considered these questions before the "EMERGENCY!" position comment was carved in stone with no real meaning ....

Peace & 73
Stephen
W3SMK
K2 #2644

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---
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To unsubscribe send a blank email to leave-aprssig-842K@lists.tapr.org
Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

---

506. [aprssig] Re: List behavior!

From: "Keith Kotch" <kkotch@cfl.rr.com>
Date: Fri, 14 Jun 2002 05:45:18 -0400
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-84910-2002.06.14-05.21.56--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

It's "Deja Vu......all over again". ;-)

Keith, KF4BXT

-----Original Message-----
From: bounce-aprssig-28239@lists.tapr.org
[mailto:bounce-aprssig-28239@lists.tapr.org]On Behalf Of Roger Grady

>What is happening????

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Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

---

507. [aprssig] Re: [OZAPRS] APRS Perl Help needed

From: Hamish Moffatt <hamish@cloud.net.au>
Date: Fri, 14 Jun 2002 22:27:13 +1000
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-84916-2002.06.14-08.03.51--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

On Fri, Jun 14, 2002 at 02:19:20PM +1000, Andrew Rich wrote:

```
> Would you go:-
>
> #/usr/bin/perl
> open (LINE, "< /dev/ttyS16") or die "Cant open serial"
```

```
open(LINE, "/dev/ttyS16") or die "Can't open serial";
```

Don't need the <, need a semicolon on the end.

```
> open (OUT, ">> aprs.log") or die "Cant open file"
```

Need a semicolon.

```
> while (<LINE>)
> {
> print 'date' >> aprs.log
Should be:

print OUT `date`;

> print OUT

Need a semicolon.

> }

--
Hamish Moffatt VK3SB <hamish@debian.org> <hamish@cloud.net.au>

---
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To unsubscribe send a blank email to leave-aprssig-842K@lists.tapr.org
Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org
```

508. [aprssig] Re: PCsat SATgate down...

From: Bob Bruninga <bruninga@usna.edu>
Date: Fri, 14 Jun 2002 08:41:10 -0400 (EDT)
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: TAPR APRS Special Interest Group <aprssig@lists.tapr.org>
Message-ID: <LYR842-84917-2002.06.14-08.17.55--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

```
On Fri, 14 Jun 2002, Adi Linden wrote:

> Is there any documentation on how to work the PCsat and how to iGate them?
> Just curious... for now.

PCsat is just like any APRS digipeater but it is on 145.825.  It responds
to RELAY, WIDE like any other APRS digipeater.  See PCsat web page below.

To IGate its packets, just set your IGate receiver to 145.825 instead of
144.39.  No other changes necessary...

Bob
>
> Adi
> VA3ADI
>

de WB4APR@amsat.org, Bob

PCsat WEB  page     http://www.ew.usna.edu/~bruninga/pcsat.html
ISS-APRS FAQ:       http://www.ew.usna.edu/~bruninga/iss-faq.html
CUBESAT Designs     http://www.ew.usna.edu/~bruninga/cubesat.html
APRS LIVE pages     http://www.ew.usna.edu/~bruninga/aprs.html
APRS SATELLITES     http://www.ew.usna.edu/~bruninga/astars.html
MIM/Mic-E/Mic-Lite  http://www.toad.net/~wclement/bruninga/mic-lite.html


---
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To unsubscribe send a blank email to leave-aprssig-842K@lists.tapr.org
Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org
```

509. [aprssig] RE: Can someone please explain

From: "AE5PL Lists" <HamLists@ametx.com>
Date: Fri, 14 Jun 2002 07:44:55 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-84919-2002.06.14-08.21.47--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

```
First, turn off the <UI> portion of the header.  This should not be
passed to APRS-IS.

According to the APRS specification, if you wish to gate to RF the
following packet, it should look like the second line:

VK3ZV-2>APU24P,TCPIP,VK4TO*,VK4GME-3:=3801.45SI14622.66ElConnected To
Internet. {UIV32}

VK4TEC>APRS,RELAY,WIDE:}VK3ZV-2>APU24P,TCPIP,VK4TO,TCPIP,VK4TEC*:=3801.4
5SI14622.66ElConnected To Internet. {UIV32}

However, IGates today are not in compliance with the specification.
They are using the following (per instructions predating the APRS
```

specification).

VK4TEC>APRS,RELAY,WIDE:}VK3ZV-2>APU24P,TCPIP,VK4TEC*:=3801.45SI14622.66E
lConnected To Internet. {UIV32}

Third-party packets are only used in gating procedures. A digi should
never use third-party packet formats. A digi should perform per the
AX.25 specification with variations per the APRS specification.

73,

Pete Loveall AE5PL
http://www.ae5pl.net
mailto:pete@ae5pl.net

> -----Original Message-----
> From: Andrew Rich [mailto:andrew.rich@bigpond.com]
> Posted At: Thursday, June 13, 2002 11:20 PM
> Subject: [aprssig] Can someone please explain
>
> I want to re-send
>
> VK3ZV-2>APU24P,TCPIP,VK4TO*,VK4GME-3
> <UI>:=3801.45SI14622.66ElConnected To Internet. {UIV32}
>
> Do I strip of everything after the "*" ie drop VK4GME-3, does
> it become:- ?
>
> vk4tec>aprs,relay,wide <ui>:}VK3ZV-2>APU24P,TCPIP,VK4TO*
> <UI>:=3801.45SI14622.66ElConnected To Internet. {UIV32}

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---

510. [aprssig] RE: Can someone please explain

From: Steve Dimse <k4hg@tapr.org>
Date: Fri, 14 Jun 2002 09:08:28 -0400
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: TAPR APRS Special Interest Group <aprssig@lists.tapr.org>
Message-ID: <LYR842-84923-2002.06.14-08.45.26--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

On 6/14/02 7:44 AM, HamLists@ametx.com (AE5PL Lists) wrote:

>VK4TEC>APRS,RELAY,WIDE:}VK3ZV-2>APU24P,TCPIP,VK4TO,TCPIP,VK4TEC*:=
>3801.4 5SI14622.66ElConnected To Internet. {UIV32}
>
>However, IGates today are not in compliance with the specification.
>They are using the following (per instructions predating the APRS
>specification).
>
>VK4TEC>APRS,RELAY,WIDE:}VK3ZV-2>APU24P,TCPIP,VK4TEC*:=3801.45SI14622
>.66E lConnected To Internet. {UIV32}
>
The only difference is whether the RF path of the original packet is
included in the retransmitted packet. This is still a mater of some
debate. The original document I wrote in 1998 to describe how the
messaging worked:

http://www.aprs.net/inetmsg.html

eliminated the RF path in order to keep the IGated packet short. AFAIK
all IGates implemented this method. Some RF paths get quite long,
especially some of the TRACE7-7 we see from Europe, and could make a
packet too long. In addition, changes are being discussed to provide
trace information on packets, something sorely needed. If this does
get implemented, then there needs to be even filtering of the path.

I don't recall how this got into the spec, it certainly isn't
something I would have let pass without a discussion, but my memory
fades more than it used to. It is certain to change if the APRS IS
spec is ever developed...

For now, my advice is to follow what is in use.

Steve K4HG

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511. [aprssig] Re: 30 meters on Kenwood 2000?

From: "hasan schiers" <schiers@netins.net>
Date: Fri, 14 Jun 2002 08:49:47 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-84933-2002.06.14-09.29.11--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Instead of using 10.151 LSB, use 10.147 USB....they are the same frequency.
This is an "old" problem that is easily solved. The aprs frequency is
10.149. This is achieved by using 10.151 LSB or 10.147 USB....assuming 2 Khz
audio tones, 10.147 + 2 khz = 10.149, and 10.151 - 2kzh = 10.149.

I ran my station many years using this exact technique, because neither of
the radios I had would permit TX if the VFO said anything above 10.150.

73,

...hasan, N0AN
----- Original Message -----
From: <N4QWF@aol.com>
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Sent: Thursday, June 13, 2002 3:58 PM
Subject: [aprssig] 30 meters on Kenwood 2000?

> Well, I was helping my friend WD4GYW get things setup for his ride to
> Minnesota next week. I offered my Kam version 5 for the HF APRS and got a
HSP
> cable from another friend to use. He has a new Kenwood 2000 a really nice
> radio. With the outbacker on the truck it would really do a nice job.
Trouble
> came when we tried to tune to 10.151. The radio wont TX there as it is
said
> to be out of band in the docs. Now ain't that a hoot.
>
> I guess he will be stuck with 14.105?
>
> I listened there and found some APRS going on. Anyone know if there is
> gateway cover on that band or not. There are a few of use that would like
to
> take this ride with him and who knows some of the other APRS's around the
> country might like to follow his progress as well.
>
> Ok, lets have a few comments about all this and any ideas about the
Kenwood
> 2000.
>
> 73's << John N4QWF
>
> ---
> You are currently subscribed to aprssig as: schiers@netins.net
> To unsubscribe send a blank email to leave-aprssig-842K@lists.tapr.org
> Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org
>
>

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512. [aprssig] Findu

From: Robbie Robertson <mwrobertson@attbi.com>
Date: Fri, 14 Jun 2002 09:03:10 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-84935-2002.06.14-09.39.54--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Steve??

I wonder if Findu is down as I could not get info just now..

Robbie, wa9inf

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513. [aprssig] Satgate

From: John Kraus <jfkraus3@cox.net>
Date: Fri, 14 Jun 2002 10:14:25 -0400
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-84937-2002.06.14-09.50.50--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Greetings

I have completed the change over and KC4ZGQ-2 is now set as an IGATE on 145.825.

Sorry it took a while but I HAD to watch ESPN2 and see if the US could come from behind. Alas it was not to be so we owe thanks to South Korea for trouncing Portugal or perhaps to Portugal for committing red card suicide. Next up, and down I hope, Mexico.

I have had some problems with APRS + 2.11 showing an error after running all night while connected to the Internet. The error does not seem to cause a problem so I have been ignoring it. I have increased workspace to 250000000 (not a typo) and set number of posit reports to 800000 as well as set automatic data deletion.

Any suggestions and a URL for KEPS would be appreciated although I may find it first.

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514. [aprssig] Keps found

From: John Kraus <jfkraus3@cox.net>
Date: Fri, 14 Jun 2002 11:24:06 -0400
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-84940-2002.06.14-11.01.02--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

I found KEPS and I am tracking NO-44 NORAD 26931. At present it is off the south coast of Africa on a track up the east coast of Africa. I would like a confirmation if possible of this track.

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515. [aprssig] Pass predictions

From: John Kraus <jfkraus3@cox.net>
Date: Fri, 14 Jun 2002 11:51:53 -0400
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-84947-2002.06.14-11.28.32--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Below are the pass predictions for PCSAT, does any one see any glaring errors? They were created using Macon Georgia as the ground station location.

```
   -----------AOS-----------  --MAX VISIBILITY--  ------LOS------
 #    EDT Date & Time    Azm  EDT Time Alt   Azm  EDT Time    Azm Duration V
 1 14 JUN 02 19:49:30  178.1  19:56:50  30 107.9  20:04:12   38.1  0:14:42
 2 14 JUN 02 21:32:50  231.2  21:40:14  30 302.6  21:47:43   14.6  0:14:53 *
 3 14 JUN 02 23:22:33  299.9  23:25:31   2 322.8  23:28:35  346.4  0:06:02
 4 15 JUN 02 04:42:33  356.4  04:48:41  11  48.5  04:54:42   99.6  0:12:09
 5 15 JUN 02 06:25:01  334.5  06:32:54  88  64.2  06:40:44  155.6  0:15:43
 6 15 JUN 02 08:10:13  302.9  08:15:36   8 258.5  08:20:58  214.2  0:10:45
 7 15 JUN 02 19:20:42  169.6  19:27:39  22 106.1  19:34:39   42.6  0:13:57
 8 15 JUN 02 21:03:14  223.2  21:10:50  40 300.0  21:18:33   17.7  0:15:19 *
 9 15 JUN 02 22:51:38  286.3  22:55:49   4 319.3  23:00:05  353.1  0:08:27
```

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516. [aprssig] Re: PCsat SATgate down...

From: Adi Linden <adil@adis.on.ca>
Date: Fri, 14 Jun 2002 11:06:26 -0500 (CDT)
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: TAPR APRS Special Interest Group <aprssig@lists.tapr.org>
Message-ID: <LYR842-84950-2002.06.14-11.43.35--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

> PCsat is just like any APRS digipeater but it is on 145.825. It responds
> to RELAY, WIDE like any other APRS digipeater. See PCsat web page below.

That makes for short documentation :)

> To IGate its packets, just set your IGate receiver to 145.825 instead of
> 144.39. No other changes necessary...

Hmmm... so I could could retrieve pass information using a script and tune
the radio under computer control while PCsat overhead. I'd just loose
terrestial digipeating for 10 minutes or so while PCsat passed.

Has anyone done that? That would eliminate the need for a dedicated radio,
TNC, etc...

Adi

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517. [aprssig] PCsat final GPS testing this week

From: Bob Bruninga <bruninga@usna.edu>
Date: Fri, 14 Jun 2002 12:38:12 -0400 (EDT)
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: amsat-bb@amsat.org, Oliver Montenbruck <Oliver.Montenbruck@dlr.de>,
"Leung, Sunny" <sunny.leung@dlr.de>
Message-ID: <LYR842-84952-2002.06.14-12.15.11--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Volunteer 9600 baud downlink stations needed this week 13-20 June.

With one week to go of PCsat in full sun, we will be conducting GPS
experiments and need volunteers to capture 9600 baud downlink data on
144.39 worldwide (wherever there are control ops, USA, UK, AUS, NZ,
South Africa, Argentina).

I will be on family travel and cannot participate. Please send data to
both of the following emails:

Oliver.Montenbruck@dlr.de
sunny.leung@dlr.de

The special GPS data will be on 144.39 MHz. If the GPS is ON, there will
be 3 packets once every 30 seconds and if lucky, one packet every 3
seconds to determine spin rate...

The normal PCsat downlink remains on 145.828 where we hope the worldwide
IGates will capture the normal spacecraft telemetry.

Thanks for your support. This will probably be the last chance for
getting GPS data from PCsat.

de WB4APR, Bob

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518. [aprssig] Re: PCsat SATgate down...

From: Bob Bruninga <bruninga@usna.edu>
Date: Fri, 14 Jun 2002 14:20:03 -0400 (EDT)
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: TAPR APRS Special Interest Group <aprssig@lists.tapr.org>
Message-ID: <LYR842-84987-2002.06.14-13.57.07--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

```
On Fri, 14 Jun 2002, Adi Linden wrote:

> > PCsat is just like any APRS digipeater but it is on 145.825.  It responds
> > to RELAY, WIDE like any other APRS digipeater.  See PCsat web page below.
>
> That makes for short documentation :)
>
> > To IGate its packets, just set your IGate receiver to 145.825 instead of
> > 144.39.  No other changes necessary...
>
> Hmmm... so I could could retrieve pass information using a script and tune
> the radio under computer control while PCsat overhead. I'd just loose
> terrestial digipeating for 10 minutes or so while PCsat passed.
>
> Has anyone done that? That would eliminate the need for a dedicated radio,
> TNC, etc...

Yes, APRStk (in DOS) does all of that (for tuning a Kenwood D7 or D700
radio)...see ASTARS web page below..>

de WB4APR@amsat.org, Bob

PCsat WEB  page     http://www.ew.usna.edu/~bruninga/pcsat.html
ISS-APRS FAQ:       http://www.ew.usna.edu/~bruninga/iss-faq.html
APRS SATELLITES     http://www.ew.usna.edu/~bruninga/astars.html


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```

519. [aprssig] Re: DOS Machine time sync

From: "David and Ann Fraser" <zl3ai@nzart.org.nz>
Date: Fri, 14 Jun 2002 17:59:00 +1200
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-84988-2002.06.14-13.59.46--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

```
Hi all,

> Anyone know of an easy way to sync an APRSdata machine to keep the time
> accurate? I'm looking maybe for a GPS via serial setup or something
> similar. maybe sync'd over a network? I see windows applications (such as
> AtomTime) to sync with the naval stations for correct time but nothing for
> DOS.

There is a DOS shareware utility called FIXTIME which is useful for
keeping the computer time accurate.  I have version 3.0 if you want a
copy.  Here is an extract from the documentation describing how it
works:

   Typically the real-time clock in a computer loses or gains a consistent
   amount of time.  Fixtime is a utility which compensates for this "clock
   drift" by periodically adjusting the clock based on the past history
   of clock drift on a particular computer.  Typically Fixtime is executed
   when the computer is started by running it in the \AUTOEXEC.BAT file.

David ZL3AI.


---
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```

520. [aprssig] Re: GPS Patch Antenna

From: "Kevin McKay" <n7urw@hotmail.com>
Date: Fri, 14 Jun 2002 19:52:01 +0000
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>

Cc: aprssig@lists.tapr.org
Message-ID: <LYR842-84992-2002.06.14-15.29.01--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

I made one from these plans 5+ years ago from a brass-looking kickplate.(brass = easy to solder, al-you-minium, well..) I think it was from a bathroom door, but your local Marie Calendars should have a couple right out front;) It worked very well out in the open, but lacking a pre-amp, suffered in the abundant tree cover here in the NortWet. the performance was good down to about 30deg el. in all but the worst urban areas.

I added a mag mount to mine with a magnetron magnet and some duct tape. but with its unique aerodynamic styling, it was prone to fly off of my van at around 65MPH, attached only by its RG-58(I considered '174 too lossy w/o a pre) cable coming out of the door jamb at the A-pillar. There's nothing like cruising down the freeway, when out of your peripheral vision you see something large fly up and BANG the side of your vehicle right behind your head. You're sure to soil your pants if this happens when the window is down. I retired mine when I accuired several SVee-6 antennas.

The 5V on the top patch is a problem. Garmin was smart enough tho, to protect the ant. power from shorted cables. My GPS45 would just turn itself off when this happened.(not very often) I think that a powdercoat in some bright color would look good and add the needed isolation. A J0 cap to uncouple the ant. DC would be a good addition to the plans as well.
(for those scratching their heads, a J0 cap is a capacitor whose value and lead inductance make it look series resonant(J=0) at the frequency of interest. I know they dont have leads, but surface mount caps are used at microwave freqs.)

drop me a note if you'd like to see pics of mine.

73 de N7URW
Kev..

Subject: GPS Patch Antenna
From: "Mike Yetsko" <myetsko@insydesw.com>
Date: Wed, 12 Jun 2002 14:18:31 -0400

A while back someone posted a request for info on antennas for GPS.

I had found this one quite some time ago, and was going to build it,
but just haven't gotten around to it.

http://www.geocities.com/CapeCanaveral/3161/gps.htm

Anyone have any feedback on this thing? It looks pretty interesting.
Just gotta remember to insulate it or otherwise protect it since my
Garmins all put voltage on the antenna center pin.

I wonder, how bad would a cap in series right at the antenna feed
point detract from the optimum...

Mike

____
Send and receive Hotmail on your mobile device: http://mobile.msn.com

---
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521. [aprssig] 14.105 use?

From: N4QWF@aol.com
Date: Fri, 14 Jun 2002 16:01:22 EDT
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-84995-2002.06.14-15.38.32--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

I monitored this freq. for an hour this afternoon to see what I could hear. I thought this was the 20 meter APRS freq. Here is the position list from that hour. Is anyone sending position reports or just beacons here? What is this all about?

```
K9VSO                          0       0          Lat Out Of Range
WA2MNO                         0       0          Lat Out Of Range
```

```
VE1AMA                          0       0          Lat Out Of Range
VE1AMA-1                            0       0      Lat Out Of Range
N4FVG                           0       0          Lat Out Of Range
VE1AMA-7                            0       0      Lat Out Of Range
K9VSO-1                         0       0          Lat Out Of Range
WA4ZEF                          0       0          Lat Out Of Range
VE3ZDA-7                            0       0      Lat Out Of Range
WD8BID                          0       0          Lat Out Of Range
KA1FSB-7                            0       0      Lat Out Of Range
VE3DOU                          0       0          Lat Out Of Range
KB9SOZ                          0       0          Lat Out Of Range
KB8IHG                          0       0          Lat Out Of Range
W4ZEF                           0       0          Lat Out Of Range
N1JXF                           0       0          Lat Out Of Range
```

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522. [aprssig] Re:

From: "Ronald Reams" <wa4mjf@worldnet.att.net>
Date: Fri, 14 Jun 2002 10:45:43 -0400
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: "APRS Sig" <aprssig@lists.tapr.org>
Message-ID: <LYR842-84998-2002.06.14-15.59.18--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Not from me...I only sent them
once a few days ago!

----- Original Message -----
From: <k9soa@att.net>
To: "Ronald Reams" <wa4mjf@worldnet.att.net>
Sent: Friday, June 14, 2002 09:17
Subject: Re: [aprssig] Re:

From: "Ronald Reams" <wa4mjf@worldnet.att.net> [Save
address]
To: "TAPR APRS Special Interest Group"
<aprssig@lists.tapr.org>
Cc: "APRS Sig" <aprssig@lists.tapr.org>

Dupes on the SIG

--
Don

www.k9soa.net (EM77EW)

Home of "JEANNIE"
The House That Listens
Using HAL2000 by Home Automated
Living
Seen on HGTV's Dream Builder show

Featured Home of the Month
Home Automation Magazine March 2002

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523. [aprssig] Re: GPS Patch Antenna

From: "Mike Yetsko" <myetsko@insydesw.com>
Date: Fri, 14 Jun 2002 16:36:32 -0400
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-84999-2002.06.14-16.14.59--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

I suppose the real question is how you felt about it's preformance with
regard to the 'stock' Garmin antennas.

In my case, I'm not so concerned about putting the antenna 'outside' as

```
much as I am getting it out from under the roof.  Unless I place my
GPS unit way forward on the dash, I'm under a lot of the roof.  And
my dash isn't flat.  It's a PITA!  (A Dodge Intrepid)  But,right on top
of the steering wheel 'tilt box' is PERFECT for the thing.  It's in the
instrument cluster area, which means it's natural to glance at.  And it's
'lower' than the instruments so that it's not in the way.  It's in a
recession
in the terrain which means it doesn't slide around.  But I loose a lot of
sensitivity in that area.  I was just thinking of a 3 foot cable to put
the
'patch' antenna 'way out front' at the bottom of the windshield to run
the GPS down there.

Mike


> I made one from these plans 5+ years ago from a brass-looking
> kickplate.(brass = easy to solder, al-you-minium, well..) I think it was
> from a bathroom door, but your local Marie Calendars should have a
couple
> right out front;) It worked very well out in the open, but lacking a
> pre-amp, suffered in the abundant tree cover here in the NortWet. the
> performance was good down to about 30deg el. in all but the worst urban
> areas.
>
> 73 de N7URW
> Kev...................................................
>



---
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```

524. [aprssig] Re: What's with EMERGENCY MESSAGES???

From: "Doug Younker" <dougy@ruraltel.net>
Date: Fri, 14 Jun 2002 15:25:03 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-85003-2002.06.14-16.37.25--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

```
How is a APRS emergency beacon, with its unknown emergency need, unlike a
911 hang-up call and where an on-duty law enforcement unit is sent to
investigate the call and need?  I assume if my station receives an emergency
packet the position would show on the display map with the resolution
possibly down to the street level depending on what maps I have available
and I as the reporting individual can relay this on to the dispatcher.  I
don't think the emergency beacon is as useless as many think it is no it's
not perfect but, the 911 system has it problems also even with, all the
money and time spent on it's development.--73
Doug, N0LKK
 dougy@ruraltel.net
----- Original Message -----
From: <frastephen@comcast.net>
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Sent: Tuesday, June 11, 2002 8:51 AM
Subject: [aprssig] Re: What's with EMERGENCY MESSAGES???


: From: "Eric Christensen, KF4OTN" <kf4otn@cox.net>
: > You need to use ALL of your resources available when you are in an
: > emergency situation.
:
:
: I still think we are missing the point here.  What EXACTLY does the
Position
: Comment of "EMERGENCY!" mean?
<snipped>



---
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```

525. [aprssig] Re: 14.105 use?

From: "Ronnie Reams" <wa4mjf@worldnet.att.net>
Date: Fri, 14 Jun 2002 17:50:47 -0400
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-85009-2002.06.14-17.27.53--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

```
It is the Network 105 (keyboard to keyboard)
frequency around here.

Over in Europe it is an APRS frequency.

73 de Ronnie
----- Original Message -----
From: <N4QWF@aol.com>
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Sent: Friday, June 14, 2002 4:01 PM
Subject: [aprssig] 14.105 use?


I monitored this freq. for an hour this afternoon to see what I could hear.
I
thought this was the 20 meter APRS freq. Here is the position list from that
hour. Is anyone sending position reports or just beacons here? What is this
all about?

K9VSO                           0       0          Lat Out Of Range
WA2MNO                          0       0          Lat Out Of Range
VE1AMA                          0       0          Lat Out Of Range
VE1AMA-1                            0       0      Lat Out Of Range
N4FVG                           0       0          Lat Out Of Range
VE1AMA-7                            0       0      Lat Out Of Range
K9VSO-1                         0       0          Lat Out Of Range
WA4ZEF                          0       0          Lat Out Of Range
VE3ZDA-7                            0       0      Lat Out Of Range
WD8BID                          0       0          Lat Out Of Range
KA1FSB-7                            0       0      Lat Out Of Range
VE3DOU                          0       0          Lat Out Of Range
KB9SOZ                          0       0          Lat Out Of Range
KB8IHG                          0       0          Lat Out Of Range
W4ZEF                           0       0          Lat Out Of Range
N1JXF                           0       0          Lat Out Of Range


---
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526. [aprssig] Central TX APRS Congestion - Ideas?

From: Greg Jurrens <greg@jurrens.net>
Date: Fri, 14 Jun 2002 17:19:33 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-85011-2002.06.14-17.56.53--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

```
List:

Several of us iGATE and UIDIGI operators in Austin are looking for some insight into an APRS congestion
problem we are having in Central Texas.  This is not meant to inflame or start a war, yada-yada....We'd
like to find some real solutions.

Below is an excerpt from my Xastir iGate tnc.log file.  This represents around 2 minutes of incoming TNC
 data from noon today.  I chose NOT to edit the callsigns for techical accuracy...so PLEASE don't go off
 and FLAME these people.  It really looks like a group dynamics issue rather than 1 offender.  I'm
suspecting a high altitude WX station with too much WIDE being heard directly by 2 or more simple
digipeaters without UIDIGI code.

Here is the exec. summary:

Log time approx. < 2 mins.
Total Packets - 103
```

Cast: In order of appearance -
KB9WVG-14 - 1 packet 1%
W5VEX-1 WX station - 81 packets 79%
KA9KTH-9 - 11 packets 10%
W7KPW-1 - 1 packet 1%
N5ZTW - 3 packets 3%
W7KPW-5 - 2 packets 2%
W5OEM-15 - 5 packets 4%

My iGATE is 60 miles from the WX station and 57 and 80 miles from the 2 active digipeaters in this excerpt.

********* SORRY FOR THE LENGTH OF THIS! SUGGEST YOU DELETE IN REPLIES ********

```
KB9WVG-14>APP120,AI5TX-2*,WIDE3:@141715z2934.88N/09535.31Wk060/000//A=000062kb9wvg@arrl.net
W5VEX-1>APRS,N5PAY-5*,WIDE7-6:>120041 Peet WX Station, Belton, Texas # 120858
KA5KTH-9>APT202,WIDE2-1:!3022.62N/09740.58W>149/010/A=000780
W5VEX-1>APRS,N5PAY-5*,WIDE7-4:>120041 Peet WX Station, Belton, Texas
W5VEX-1>APRS,N5PAY-5*,WIDE7-4:=3103.85N/09729.48W_PHG2260/WinAPRS 2.5.0 -TEBELBELTON  -250-<520>
W5VEX-1>APRS,W7KPW-1*,WIDE7-4:>120041 Peet WX Station, Belton, Texas
W5VEX-1>APRS,W7KPW-1*,WIDE7-4:=3103.85N/09729.48W_PHG2260/WinAPRS 2.5.0 -TEBELBELTON  -250-<520>
W7KPW-1>APRS,WD5IYT-1*:!3106.57NN09756.40W#/WIDEn-n  250 watts ERP Solar Power DIGI in Copperas Cove,
Texas  ( e-mail w7kpw@vvm.com )
W5VEX-1>APRS,W7KPW-1*,WIDE7-3:>120041 Peet WX Station, Belton, Texas
W5VEX-1>APRS,W7KPW-1*,WIDE7-3:=3103.85N/09729.48W_PHG2260/WinAPRS 2.5.0 -TEBELBELTON  -250-<520>
W5VEX-1>APRS,N5PAY-5*,WIDE7-5:>120041 Peet WX Station, Belton, Texas
KA5KTH-9>APT202,WIDE2-1:!3022.62N/09740.58W>149/010/A=000780
W5VEX-1>APRS,N5PAY-5*,WIDE7-4:>120041 Peet WX Station, Belton, Texas
W5VEX-1>APRS,N5PAY-5*,WIDE7-4:=3103.85N/09729.48W_PHG2260/WinAPRS 2.5.0 -TEBELBELTON  -250-<520>
KA5KTH-9>APT202,WIDE2:!3022.62N/09740.58W>149/010/A=000780
W5VEX-1>APRS,N5PAY-5*,WIDE7-3:>120041 Peet WX Station, Belton, Texas
W5VEX-1>APRS,N5PAY-5*,WIDE7-3:=3103.85N/09729.48W_PHG2260/WinAPRS 2.5.0 -TEBELBELTON  -250-<520>
KA5KTH-9>APT202,WIDE2-1:!3022.62N/09740.55W>102/019/A=000780
W5VEX-1>APRS,W7KPW-1*,WIDE7-3:>120041 Peet WX Station, Belton, Texas
W5VEX-1>APRS,W7KPW-1*,WIDE7-3:=3103.85N/09729.48W_PHG2260/WinAPRS 2.5.0 -TEBELBELTON  -250-<520>
W5VEX-1>APRS,W7KPW-1*,WIDE7-2:>120041 Peet WX Station, Belton, Texas
W5VEX-1>APRS,W7KPW-1*,WIDE7-2:=3103.85N/09729.48W_PHG2260/WinAPRS 2.5.0 -TEBELBELTON  -250-<520>
W5VEX-1>APRS,N5PAY-5*,WIDE7-4:>120041 Peet WX Station, Belton, Texas
KA5KTH-9>APT202,WIDE2:!3022.62N/09740.58W>149/010/A=000780
W5VEX-1>APRS,N5PAY-5*,WIDE7-3:>120041 Peet WX Station, Belton, Texas
W5VEX-1>APRS,N5PAY-5*,WIDE7-3:=3103.85N/09729.48W_PHG2260/WinAPRS 2.5.0 -TEBELBELTON  -250-<520>
KA5KTH-9>APT202,WIDE2*:!3022.62N/09740.58W>149/010/A=000780
W5VEX-1>APRS,N5PAY-5*,WIDE7-2:>120041 Peet WX Station, Belton, Texas
W5VEX-1>APRS,N5PAY-5*,WIDE7-2:=3103.85N/09729.48W_PHG2260/WinAPRS 2.5.0 -TEBELBELTON  -250-<520>
KA5KTH-9>APT202,WIDE2:!3022.62N/09740.55W>102/019/A=000780
W5VEX-1>APRS,W7KPW-1*,WIDE7-2:>120041 Peet WX Station, Belton, Texas
W5VEX-1>APRS,W7KPW-1*,WIDE7-2:=3103.85N/09729.48W_PHG2260/WinAPRS 2.5.0 -TEBELBELTON  -250-<520>
W5VEX-1>APRS,W7KPW-1*,WIDE7-1:>120041 Peet WX Station, Belton, Texas
W5VEX-1>APRS,N5PAY-5*,WIDE7-3:>120041 Peet WX Station, Belton, Texas
KA5KTH-9>APT202,WIDE2*:!3022.62N/09740.58W>149/010/A=000780
W5VEX-1>APRS,N5PAY-5*,WIDE7-2:>120041 Peet WX Station, Belton, Texas
W5VEX-1>APRS,N5PAY-5*,WIDE7-2:=3103.85N/09729.48W_PHG2260/WinAPRS 2.5.0 -TEBELBELTON  -250-<520>
W5VEX-1>APRS,N5PAY-5*,WIDE7-1:>120041 Peet WX Station, Belton, Texas
W5VEX-1>APRS,N5PAY-5*,WIDE7-1:=3103.85N/09729.48W_PHG2260/WinAPRS 2.5.0 -TEBELBELTON  -250-<520>
KA5KTH-9>APT202,WIDE2*:!3022.62N/09740.55W>102/019/A=000780
W5VEX-1>APRS,W7KPW-1*,WIDE7-1:>120041 Peet WX Station, Belton, Texas
W5VEX-1>APRS,W7KPW-1*,WIDE7:=3103.85N/09729.48W_PHG2260/WinAPRS 2.5.0 -TEBELBELTON  -250-<520>
W5VEX-1>APRS,N5PAY-5*,WIDE7-1:>120041 Peet WX Station, Belton, Texas
W5VEX-1>APRS,N5PAY-5*,WIDE7-1:=3103.85N/09729.48W_PHG2260/WinAPRS 2.5.0 -TEBELBELTON  -250-<520>
W5VEX-1>APRS,N5PAY-5*,WIDE7:>120041 Peet WX Station, Belton, Texas # 120928
W5VEX-1>APRS,N5PAY-5*,WIDE7:=3103.85N/09729.48W_PHG2260/WinAPRS 2.5.0 -TEBELBELTON  -250-<520>
W5VEX-1>APRS,W7KPW-1*,WIDE7:>120041 Peet WX Station, Belton, Texas
W5VEX-1>APRS,W7KPW-1,WIDE7*:=3103.85N/09729.48W_PHG2260/WinAPRS 2.5.0 -TEBELBELTON  -250-<520>
W5VEX-1>APRS,W7KPW-1*,WIDE7-2:>120041 Peet WX Station, Belton, Texas
W5VEX-1>APRS,N5ZTW*,WIDE7-2:=3103.85N/09729.48W_PHG2260/WinAPRS 2.5.0 -TEBELBELTON  -250-<520>
N5ZTW>APRS,WD5IYT-1*,WIDE:_06141708c348s005g010t087P000r000h66e1w
KA5KTH-9>APT202,WIDE2:!3022.62N/09740.55W>102/019/A=000780
W5VEX-1>APRS,W7KPW-1*,WIDE7-2:>120041 Peet WX Station, Belton, Texas
W5VEX-1>APRS,W7KPW-1*,WIDE7-2:=3103.85N/09729.48W_PHG2260/WinAPRS 2.5.0 -TEBELBELTON  -250-<520>
W5VEX-1>APRS,W7KPW-1*,WIDE7-1:>120041 Peet WX Station, Belton, Texas
W5VEX-1>APRS,W7KPW-1*,WIDE7-1:=3103.85N/09729.48W_PHG2260/WinAPRS 2.5.0 -TEBELBELTON  -250-<520>
W5VEX-1>APRS,K5BWD-10*,WIDE7-2:>120041 Peet WX Station, Belton, Texas
W5VEX-1>APRS,N5PAY-5*,WIDE7-1:>120041 Peet WX Station, Belton, Texas
W5VEX-1>APRS,N5PAY-5*,WIDE7-1:=3103.85N/09729.48W_PHG2260/WinAPRS 2.5.0 -TEBELBELTON  -250-<520>
W5VEX-1>APRS,N5PAY-5*,WIDE7:>120041 Peet WX Station, Belton, Texas
W5VEX-1>APRS,N5PAY-5*,WIDE7:=3103.85N/09729.48W_PHG2260/WinAPRS 2.5.0 -TEBELBELTON  -250-<520>
W5VEX-1>APRS,W7KPW-1*,WIDE7:>120041 Peet WX Station, Belton, Texas
W5VEX-1>APRS,W7KPW-1,WIDE7*:=3103.85N/09729.48W_PHG2260/WinAPRS 2.5.0 -TEBELBELTON  -250-<520>
```

```
N5ZTW>APRS,WD5IYT-1,WB5BBW*:_06141708c348s005g010t087P000r000h66e1w
W7KPW-5>GPSMV,W7KPW,N5PAY-5,WB5BBW*:$GPRMC,163048,A,3103.5171,N,09722.9292,W,000.0,051.5,110602,005.6,E*
67
W5VEX-1>APRS,N5PAY-5*,WIDE7-1:>120041 Peet WX Station, Belton, Texas
W5VEX-1>APRS,N5PAY-5*,WIDE7:=3103.85N/09729.48W_PHG2260/WinAPRS 2.5.0 -TEBELBELTON  -250-<520>
W5VEX-1>APRS,N5PAY-5,WIDE7*:>120041 Peet WX Station, Belton, Texas
W5VEX-1>APRS,N5PAY-5,WIDE7*:=3103.85N/09729.48W_PHG2260/WinAPRS 2.5.0 -TEBELBELTON  -250-<520>
W5VEX-1>APRS,W7KPW-1,WIDE7*:>120041 Peet WX Station, Belton, Texas
W5VEX-1>APRS,W7KPW-1*,WIDE7-1:>120041 Peet WX Station, Belton, Texas
W5VEX-1>APRS,N5ZTW*,WIDE7-1:=3103.85N/09729.48W_PHG2260/WinAPRS 2.5.0 -TEBELBELTON  -250-<520>
N5ZTW>APRS,WD5IYT-1,WD5IYT-2*:_06141708c348s005g010t087P000r000h66e1w
KA5KTH-9>APT202,WIDE2*:!3022.62N/09740.55W>102/019/A=000780
W5VEX-1>APRS,W7KPW-1*,WIDE7-1:>120041 Peet WX Station, Belton, Texas
W5VEX-1>APRS,W7KPW-1*,WIDE7-1:=3103.85N/09729.48W_PHG2260/WinAPRS 2.5.0 -TEBELBELTON  -250-<520>
W5VEX-1>APRS,W7KPW-1*,WIDE7:>120041 Peet WX Station, Belton, Texas
W5VEX-1>APRS,W7KPW-1*,WIDE7:=3103.85N/09729.48W_PHG2260/WinAPRS 2.5.0 -TEBELBELTON  -250-<520>
W5VEX-1>APRS,K5BWD-10*,WIDE7-1:>120041 Peet WX Station, Belton, Texas
W5VEX-1>APRS,N5PAY-5*,WIDE7:=3103.85N/09729.48W_PHG2260/WinAPRS 2.5.0 -TEBELBELTON  -250-<520>
W5VEX-1>APRS,N5PAY-5,WIDE7*:>120041 Peet WX Station, Belton, Texas
W5VEX-1>APRS,N5PAY-5,WIDE7*:=3103.85N/09729.48W_PHG2260/WinAPRS 2.5.0 -TEBELBELTON  -250-<520>
W5VEX-1>APRS,W7KPW-1,WIDE7*:>120041 Peet WX Station, Belton, Texas
W7KPW-5>GPSMV,W7KPW,N5PAY-5,WD5IYT-2*:$GPRMC,163048,A,3103.5171,N,09722.9292,W,000.0,051.5,110602,005.6,
E*67 # 120958
W5OEM-15>BEACON,RELAY,WIDE:!3018.30N/09744.70WhPHG5230 Seton MC Hospital Austin,Texas
W5OEM-15>BEACON,WD5IYT-2*,WIDE:!3018.30N/09744.70WhPHG5230 Seton MC Hospital Austin,Texas
W5VEX-1>APRS,W7KPW-1*,WIDE7:>120041 Peet WX Station, Belton, Texas
W5VEX-1>APRS,N5PAY-5,WIDE7*:=3103.85N/09729.48W_PHG2260/WinAPRS 2.5.0 -TEBELBELTON  -250-<520>
W5VEX-1>APRS,N5ZTW*,WIDE7:=3103.85N/09729.48W_PHG2260/WinAPRS 2.5.0 -TEBELBELTON  -250-<520>
W5VEX-1>APRS,W7KPW-1*,WIDE7:>120041 Peet WX Station, Belton, Texas
W5VEX-1>APRS,W7KPW-1*,WIDE7:=3103.85N/09729.48W_PHG2260/WinAPRS 2.5.0 -TEBELBELTON  -250-<520>
W5VEX-1>APRS,W7KPW-1,WIDE7*:>120041 Peet WX Station, Belton, Texas
W5VEX-1>APRS,W7KPW-1,WIDE7*:=3103.85N/09729.48W_PHG2260/WinAPRS 2.5.0 -TEBELBELTON  -250-<520>
W5VEX-1>APRS,N5PAY-5,WIDE7*:=3103.85N/09729.48W_PHG2260/WinAPRS 2.5.0 -TEBELBELTON  -250-<520>
W5VEX-1>APRS,N5PAY-5,WIDE7*:>120041 Peet WX Station, Belton, Texas
W5VEX-1>APRS,W7KPW-1,WIDE7*:>120041 Peet WX Station, Belton, Texas
W5OEM-15>BEACON,WA5LHS-1*,WIDE:!3018.30N/09744.70WhPHG5230 Seton MC Hospital Austin,Texas
W5OEM-15>BEACON,WA5LHS-1,WB5BBW*:!3018.30N/09744.70WhPHG5230 Seton MC Hospital Austin,Texas
W5VEX-1>APRS,W7KPW-1,WIDE7*:>120041 Peet WX Station, Belton, Texas
W5VEX-1>APRS,W7KPW-1,WIDE7*:>120041 Peet WX Station, Belton, Texas
W5VEX-1>APRS,W7KPW-1,WIDE7*:=3103.85N/09729.48W_PHG2260/WinAPRS 2.5.0 -TEBELBELTON  -250-<520>
W5VEX-1>APRS,K5BWD-10,WIDE7*:>120041 Peet WX Station, Belton, Texas
W5OEM-15>BEACON,WA5LHS-1,WD5IYT-2*:!3018.30N/09744.70WhPHG5230 Seton MC Hospital Austin,Texas
```

Feel free to REPLY with constructive comments or ideas. PLEASE ADDRESS all FLAMES directly to me with FLAME as the SUBJECT so my mailer will automatically delete them.

73 and thanks in advance for your assistance.

--
Greg Jurrens - WD0ACD
--
Greg Jurrens - WD0ACD

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527. [aprssig] Re: Central TX APRS Congestion - Ideas?

From: "Phil Pacier, AD6NH" <ad6nh@arrl.net>
Date: Fri, 14 Jun 2002 17:37:56
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-85013-2002.06.14-18.14.53--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Well, is it really necessary to run WIDE7-7 to get to an IGate? No one really needs to run any more hops than is necessary to get to an IGate. Most of the stations here in Southern California don't run anything bigger than WIDE2-2, because there are IGates all over the place within one or two hops. I would suggest you contact anyone running WIDE7-7 or something rediculous like that and ask them to try WIDE2-2 or WIDE3-3 and see if they can still hit an IGate. Remember, if you can hit an IGate, the world can see you. A station changing from WIDE7-7 to WIDE2-2 can eliminate hundreds of extraneous packets each time it transmits.

73s
Phil Pacier - AD6NH
Southwest CA Skywarn Coordinator
www.ahubca.net

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Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

528. [aprssig] Re:

From: "Ronald Reams" <wa4mjf@worldnet.att.net>
Date: Fri, 14 Jun 2002 19:14:10 -0400
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: "APRS Sig" <aprssig@lists.tapr.org>
Message-ID: <LYR842-85016-2002.06.14-18.51.15--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Yeh, that a problem, I try to catch them, but
not always.

I addressed this in a post the SIG has two names.

73 de Ronne

----- Original Message -----
From: <k9soa@att.net>
To: "Ronald Reams" <wa4mjf@worldnet.att.net>
Sent: Friday, June 14, 2002 18:01
Subject: Re: [aprssig] Re:

This is what I get in the message FROM, TO, and CC
fields.

Just received this last message TWICE. Once from the
TO and another from the CC.

This is what is showing up at this end.

From: "Ronald Reams" <wa4mjf@worldnet.att.net> [Save
address]
To: "TAPR APRS Special Interest Group"
<aprssig@lists.tapr.org>
Cc: "APRS Sig" <aprssig@lists.tapr.org>

The TO and CC are the same so it gets sent to the SIG
twice.

Don't know who or why but everyone gets two copies.

--
Don

www.k9soa.net (EM77EW)

Home of "JEANNIE"
The House That Listens
Using HAL2000 by Home Automated Living
Seen on HGTV's Dream Builder show

Featured Home of the Month
Home Automation Magazine March 2002

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Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

529. [aprssig] NMEA to USB

From: "Charles H. Rahe, II" <crahe@infi.net>
Date: Mon, 10 Jun 2002 23:30:45 -0400
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-85037-2002.06.14-19.44.39--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Here's a new product that should be of interest. I picked this up on a
news group for a navigation program I use.

http://www.shipmodul.com/en/index.html

You are currently subscribed to aprssig as: jnetterville@nc.rr.com
To unsubscribe send a blank email to leave-aprssig-842K@lists.tapr.org
Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

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Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

530. [aprssig] PCSAT

From: John Kraus <jfkraus3@cox.net>
Date: Fri, 14 Jun 2002 20:10:26 -0400
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-85038-2002.06.14-19.47.50--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

PCSAT should have just come over but I didn't hear anything. I also do not see any new posits on the pcsat findu page except for the ones for it's own position. I hope I am set up correctly.

Radio set to 145.825 on low ground plane antenna
APRS + set to gate to Internet.

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Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

531. [aprssig] Re: Central TX APRS Congestion - Ideas?

From: Bill Vodall - WA7NWP <wa7nwp@yahoo.com>
Date: Fri, 14 Jun 2002 17:20:02 -0700
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-85039-2002.06.14-19.58.32--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

>Well, is it really necessary to run WIDE7-7 to get to an IGate? No one
>really needs to run any more hops than is necessary to get to an IGate.

It all depends on your goal. I personally prefer to think in RF terms such as if my packet is going to the local area or the region. Doesn't matter if the Igates see it or not. There's much more to APRS then just getting to the nearest IGATE. On the other hand, if that's what somebody is aiming for - great.

In this specific instance, there are very few instances where a WIDE7-7 is justified. Is there a regional group with regional suggestions on what the path should be? I bet it's not WIDE7-7.

The first step towards a congestion problem is just what was listed. Gather data and statistics. Look for data points that are out of the norm when compared to the others. Use education and, if necessary, technology to tune the network.

Bill, WA7NWP

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Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

532. [aprssig] Re: Central TX APRS Congestion - Ideas?

From: "Roy Bost" <rbost@itexas.net>
Date: Fri, 14 Jun 2002 19:22:39 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-85040-2002.06.14-20.00.46--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

> Well, is it really necessary to run WIDE7-7 to get to an IGate?

Please remember, not everyone is trying to hit an igate! Out here in Texas some people are only trying to be seen 200-400 miles away. They could care less about being seen in England or wherever.

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---

533. [aprssig] Re: Central TX APRS Congestion - Ideas?

From: "Brian D Heaton" <bdheaton@c4i2.com>
Date: Fri, 14 Jun 2002 20:22:06 -0400
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-85041-2002.06.14-20.04.09--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Greg,

Here are a few thoughts...

W5VEX-1 - Why transmit a WIDE7-7 from the Temple/Belton area?? I would think that a 3-3 or even a 2-2 would get into Austin just fine.

W7KPW-1 - Given his location a 250W ERP station doesn't sound too unreasonable. That far west of Killeen (IIRC) is pretty empty. It would be interesting to know what the digi hardware and configuration is.

N5PAY-5/N5ZTW/K5BWD-10 - No position data, but we could get it from the stream. I don't see anything wrong here.

Any other thoughts....

THX/BDH

----- Original Message -----
From: "Greg Jurrens" <greg@jurrens.net>
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Sent: Friday, June 14, 2002 6:19 PM
Subject: [aprssig] Central TX APRS Congestion - Ideas?

> List:
>
> Several of us iGATE and UIDIGI operators in Austin are looking for some insight into an APRS congestion problem we are having in Central Texas. This is not meant to inflame or start a war, yada-yada....We'd like to find some real solutions.
>
> Below is an excerpt from my Xastir iGate tnc.log file. This represents around 2 minutes of incoming TNC data from noon today. I chose NOT to edit the callsigns for techical accuracy...so PLEASE don't go off and FLAME these people. It really looks like a group dynamics issue rather than 1 offender. I'm suspecting a high altitude WX station with too much WIDE being heard directly by 2 or more simple digipeaters without UIDIGI code.
>
> Here is the exec. summary:
>
> Log time approx. < 2 mins.
> Total Packets - 103
>
> Cast: In order of appearance -
> KB9WVG-14 - 1 packet 1%
> W5VEX-1 WX station - 81 packets 79%
> KA9KTH-9 - 11 packets 10%
> W7KPW-1 - 1 packet 1%
> N5ZTW - 3 packets 3%
> W7KPW-5 - 2 packets 2%
> W5OEM-15 - 5 packets 4%
>
> My iGATE is 60 miles from the WX station and 57 and 80 miles from the 2 active digipeaters in this excerpt.
>
> ********* SORRY FOR THE LENGTH OF THIS! SUGGEST YOU DELETE IN REPLIES ********
>
>

```
KB9WVG-14>APP120,AI5TX-2*,WIDE3:@141715z2934.88N/09535.31Wk060/000//A=000062
kb9wvg@arrl.net
```

```
> W5VEX-1>APRS,N5PAY-5*,WIDE7-6:>120041 Peet WX Station, Belton, Texas #
120858
> KA5KTH-9>APT202,WIDE2-1:!3022.62N/09740.58W>149/010/A=000780
> W5VEX-1>APRS,N5PAY-5*,WIDE7-4:>120041 Peet WX Station, Belton, Texas
> W5VEX-1>APRS,N5PAY-5*,WIDE7-4:=3103.85N/09729.48W_PHG2260/WinAPRS
2.5.0 -TEBELBELTON  -250-<520>
> W5VEX-1>APRS,W7KPW-1*,WIDE7-4:>120041 Peet WX Station, Belton, Texas
```

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534. [aprssig] Re: What's with EMERGENCY MESSAGES???

From: Earl Needham <needhame@yucca.net>
Date: Fri, 14 Jun 2002 18:33:08 -0600
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-85042-2002.06.14-20.11.42--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

At 05:13 PM 6/11/2002 -0400, Bob Bruninga wrote:
>On Tue, 11 Jun 2002, Roy Bost wrote:
>
> > I've been watching all the hoopla for the last several days over Emergency
> > Messages. I have a question that I'm sure I'm not the only one that needs
> > to have answered.....How Do You Send An Emergency Message in the following
> > conditions?:
>
>The only things that can send "EMERGENCY!" are a Kenwood D700 or D7 or
>Mic-E or Pic-e or anthing else that uses the Mic-E protocol. I think
>only the Kenwoods have the "are-you-sure" layer of protection.

What about using an UNPROTO-TO address of GPSOB? Isn't that supposed to be similar?

Thanks,
Earl

Earl Needham, KD5XB, Clovis, New Mexico DM84jk
KD5XB-2>APW251,PCSAT-1*:=3425.83N/10313.55W-PHG7150/WinAPRS 2.5.1
-EARL_CLOVIS -251-<630>
Did you get a letter from Nigeria offering a "deal"? See
http://home.rica.net/alphae/419coal/ and
http://www.crimes-of-persuasion.com/Crimes/Business/nigerian.htm

---
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535. [aprssig] RE: Central TX APRS Congestion - Ideas?

From: "Joe Dorn" <joedorn@stonemedia.com>
Date: Fri, 14 Jun 2002 20:29:19 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: "HAM 'W7KPW'" <rjett@vvm.com>
Message-ID: <LYR842-85047-2002.06.14-21.07.30--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

I have cut back on several occasions and then not been able to hit a findu gate... I will cut it back again and see what happens... We also have two wides in the area that ping pong me... My lonesome weather station and one wide (W5VEX & W7KPW) was all we had in Central Texas until Austin and San Antonio joined the game, mostly in the past year...

I travel extensively and findu is the way I check on my weather back home...
BTW, the weather station feeds a 5-watt MFJ data radio that feed a Ringo Ranger (6 db gain if I recall), the top tip is about 30 feet off the ground, which is 682 feet above MSL... Not a powerhouse by any means... I will change it shortly to 4-4 and see what happens...
Let me know...

Joe Dorn, W5VEX, Belton, Texas

-----Original Message-----
From: bounce-aprssig-23581@lists.tapr.org

[mailto:bounce-aprssig-23581@lists.tapr.org]On Behalf Of Greg Jurrens
Sent: Friday, June 14, 2002 5:20 PM
To: TAPR APRS Special Interest Group
Subject: [aprssig] Central TX APRS Congestion - Ideas?

List:

Several of us iGATE and UIDIGI operators in Austin are looking for some insight into an APRS congestion problem we are having in Central Texas. This is not meant to inflame or start a war, yada-yada....We'd like to find some real solutions.

Below is an excerpt from my Xastir iGate tnc.log file. This represents around 2 minutes of incoming TNC data from noon today. I chose NOT to edit the callsigns for techical accuracy...so PLEASE don't go off and FLAME these people. It really looks like a group dynamics issue rather than 1 offender. I'm suspecting a high altitude WX station with too much WIDE being heard directly by 2 or more simple digipeaters without UIDIGI code.

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W7KPW-5 - 2 packets 2%
W5OEM-15 - 5 packets 4%

My iGATE is 60 miles from the WX station and 57 and 80 miles from the 2 active digipeaters in this excerpt.

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****

```
KB9WVG-14>APP120,AI5TX-2*,WIDE3:@141715z2934.88N/09535.31Wk060/000//A=000062
kb9wvg@arrl.net
W5VEX-1>APRS,N5PAY-5*,WIDE7-6:>120041 Peet WX Station, Belton, Texas #
120858
KA5KTH-9>APT202,WIDE2-1:!3022.62N/09740.58W>149/010/A=000780
W5VEX-1>APRS,N5PAY-5*,WIDE7-4:>120041 Peet WX Station, Belton, Texas
W5VEX-1>APRS,N5PAY-5*,WIDE7-4:=3103.85N/09729.48W_PHG2260/WinAPRS
2.5.0 -TEBELBELTON  -250-<520>
W5VEX-1>APRS,W7KPW-1*,WIDE7-4:>120041 Peet WX Station, Belton, Texas
W5VEX-1>APRS,W7KPW-1*,WIDE7-4:=3103.85N/09729.48W_PHG2260/WinAPRS
2.5.0 -TEBELBELTON  -250-<520>
W7KPW-1>APRS,WD5IYT-1*:!3106.57NN09756.40W#/WIDEn-n  250 watts ERP Solar
Power DIGI in Copperas Cove, Texas  ( e-mail w7kpw@vvm.com )
W5VEX-1>APRS,W7KPW-1*,WIDE7-3:>120041 Peet WX Station, Belton, Texas
W5VEX-1>APRS,W7KPW-1*,WIDE7-3:=3103.85N/09729.48W_PHG2260/WinAPRS
2.5.0 -TEBELBELTON  -250-<520>
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W5VEX-1>APRS,N5PAY-5*,WIDE7-4:=3103.85N/09729.48W_PHG2260/WinAPRS
2.5.0 -TEBELBELTON  -250-<520>
KA5KTH-9>APT202,WIDE2:!3022.62N/09740.58W>149/010/A=000780
W5VEX-1>APRS,N5PAY-5*,WIDE7-3:>120041 Peet WX Station, Belton, Texas
W5VEX-1>APRS,N5PAY-5*,WIDE7-3:=3103.85N/09729.48W_PHG2260/WinAPRS
2.5.0 -TEBELBELTON  -250-<520>
KA5KTH-9>APT202,WIDE2-1:!3022.62N/09740.55W>102/019/A=000780
W5VEX-1>APRS,W7KPW-1*,WIDE7-3:>120041 Peet WX Station, Belton, Texas
W5VEX-1>APRS,W7KPW-1*,WIDE7-3:=3103.85N/09729.48W_PHG2260/WinAPRS
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W5VEX-1>APRS,W7KPW-1*,WIDE7-2:=3103.85N/09729.48W_PHG2260/WinAPRS
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W5VEX-1>APRS,N5PAY-5*,WIDE7-3:>120041 Peet WX Station, Belton, Texas
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W5VEX-1>APRS,N5PAY-5*,WIDE7-2:>120041 Peet WX Station, Belton, Texas
W5VEX-1>APRS,N5PAY-5*,WIDE7-2:=3103.85N/09729.48W_PHG2260/WinAPRS
```

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2.5.0 -TEBELBELTON  -250-<520>
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W5VEX-1>APRS,W7KPW-1*,WIDE7-2:>120041 Peet WX Station, Belton, Texas
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W5VEX-1>APRS,N5PAY-5*,WIDE7-3:>120041 Peet WX Station, Belton, Texas
KA5KTH-9>APT202,WIDE2*:!3022.62N/09740.58W>149/010/A=000780
W5VEX-1>APRS,N5PAY-5*,WIDE7-2:>120041 Peet WX Station, Belton, Texas
W5VEX-1>APRS,N5PAY-5*,WIDE7-2:=3103.85N/09729.48W_PHG2260/WinAPRS
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W5VEX-1>APRS,N5PAY-5*,WIDE7-1:=3103.85N/09729.48W_PHG2260/WinAPRS
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KA5KTH-9>APT202,WIDE2:!3022.62N/09740.55W>102/019/A=000780
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W5VEX-1>APRS,N5PAY-5*,WIDE7-1:>120041 Peet WX Station, Belton, Texas
W5VEX-1>APRS,N5PAY-5*,WIDE7-1:=3103.85N/09729.48W_PHG2260/WinAPRS
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,000.0,051.5,110602,005.6,E*67
W5VEX-1>APRS,N5PAY-5*,WIDE7-1:>120041 Peet WX Station, Belton, Texas
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W5VEX-1>APRS,N5PAY-5,WIDE7*:=3103.85N/09729.48W_PHG2260/WinAPRS
2.5.0 -TEBELBELTON  -250-<520>
W5VEX-1>APRS,W7KPW-1,WIDE7*:>120041 Peet WX Station, Belton, Texas
W5VEX-1>APRS,W7KPW-1*,WIDE7-1:>120041 Peet WX Station, Belton, Texas
W5VEX-1>APRS,N5ZTW*,WIDE7-1:=3103.85N/09729.48W_PHG2260/WinAPRS
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N5ZTW>APRS,WD5IYT-1,WD5IYT-2*:_06141708c348s005g010t087P000r000h66e1w
KA5KTH-9>APT202,WIDE2*:!3022.62N/09740.55W>102/019/A=000780
W5VEX-1>APRS,W7KPW-1*,WIDE7-1:>120041 Peet WX Station, Belton, Texas
W5VEX-1>APRS,W7KPW-1*,WIDE7-1:=3103.85N/09729.48W_PHG2260/WinAPRS
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2.5.0 -TEBELBELTON  -250-<520>
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W5VEX-1>APRS,N5PAY-5,WIDE7*:=3103.85N/09729.48W_PHG2260/WinAPRS
2.5.0 -TEBELBELTON  -250-<520>
W5VEX-1>APRS,W7KPW-1,WIDE7*:>120041 Peet WX Station, Belton, Texas
W7KPW-5>GPSMV,W7KPW,N5PAY-5,WD5IYT-2*:$GPRMC,163048,A,3103.5171,N,09722.9292
,W,000.0,051.5,110602,005.6,E*67 # 120958
W5OEM-15>BEACON,RELAY,WIDE:!3018.30N/09744.70WhPHG5230 Seton MC Hospital
```

```
Austin,Texas
W5OEM-15>BEACON,WD5IYT-2*,WIDE:!3018.30N/09744.70WhPHG5230 Seton MC Hospital
Austin,Texas
W5VEX-1>APRS,W7KPW-1*,WIDE7:>120041 Peet WX Station, Belton, Texas
W5VEX-1>APRS,N5PAY-5,WIDE7*:=3103.85N/09729.48W_PHG2260/WinAPRS
2.5.0 -TEBELBELTON  -250-<520>
W5VEX-1>APRS,N5ZTW*,WIDE7:=3103.85N/09729.48W_PHG2260/WinAPRS
2.5.0 -TEBELBELTON  -250-<520>
W5VEX-1>APRS,W7KPW-1*,WIDE7:>120041 Peet WX Station, Belton, Texas
W5VEX-1>APRS,W7KPW-1*,WIDE7:=3103.85N/09729.48W_PHG2260/WinAPRS
2.5.0 -TEBELBELTON  -250-<520>
W5VEX-1>APRS,W7KPW-1,WIDE7*:>120041 Peet WX Station, Belton, Texas
W5VEX-1>APRS,W7KPW-1,WIDE7*:=3103.85N/09729.48W_PHG2260/WinAPRS
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W5VEX-1>APRS,W7KPW-1,WIDE7*:>120041 Peet WX Station, Belton, Texas
W5OEM-15>BEACON,WA5LHS-1*,WIDE:!3018.30N/09744.70WhPHG5230 Seton MC Hospital
Austin,Texas
W5OEM-15>BEACON,WA5LHS-1,WB5BBW*:!3018.30N/09744.70WhPHG5230 Seton MC
Hospital Austin,Texas
W5VEX-1>APRS,W7KPW-1,WIDE7*:>120041 Peet WX Station, Belton, Texas
W5VEX-1>APRS,W7KPW-1,WIDE7*:>120041 Peet WX Station, Belton, Texas
W5VEX-1>APRS,W7KPW-1,WIDE7*:=3103.85N/09729.48W_PHG2260/WinAPRS
2.5.0 -TEBELBELTON  -250-<520>
W5VEX-1>APRS,K5BWD-10,WIDE7*:>120041 Peet WX Station, Belton, Texas
W5OEM-15>BEACON,WA5LHS-1,WD5IYT-2*:!3018.30N/09744.70WhPHG5230 Seton MC
Hospital Austin,Texas
```

Feel free to REPLY with constructive comments or ideas. PLEASE ADDRESS all
FLAMES directly to me with FLAME as the SUBJECT so my mailer will
automatically delete them.

73 and thanks in advance for your assistance.

--
Greg Jurrens - WD0ACD
--
Greg Jurrens - WD0ACD

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To unsubscribe send a blank email to leave-aprssig-842K@lists.tapr.org
Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

---
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536. [aprssig] Re: Central TX APRS Congestion - Ideas?

From: "Joe Dorn" <joedorn@stonemedia.com>
Date: Fri, 14 Jun 2002 20:29:21 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: "HAM 'W7KPW'" <rjett@vvm.com>
Message-ID: <LYR842-85048-2002.06.14-21.08.20--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Belton Texas isn't Southern California or the East Coast... I was the lonesome APRS weather station for over two years in this area with NO activity in Austin or San Antonio... My packets had to go a hundred an fifty miles west and then back into the DFW area to make an I-gate...

Times have changed, and I will drop it down and see what happens... Stay tuned, city boys...(GRIN)

Joe Dorn, W5VEX, Belton, Texas

TARC Emergency Co-ordinator
Instructor of Weather for USPS...
Instructor and Mentor for the ARRL
Emergency Communication Courses...
Weather Nut for himself...

-----Original Message-----
From: bounce-aprssig-23581@lists.tapr.org
[mailto:bounce-aprssig-23581@lists.tapr.org]On Behalf Of Phil Pacier, AD6NH
Sent: Friday, June 14, 2002 5:38 PM
To: TAPR APRS Special Interest Group
Subject: [aprssig] Re: Central TX APRS Congestion - Ideas?

Well, is it really necessary to run WIDE7-7 to get to an IGate? No one really needs to run any more hops than is necessary to get to an IGate. Most of the stations here in Southern California don't run anything bigger than WIDE2-2, because there are IGates all over the place within one or two hops. I would suggest you contact anyone running WIDE7-7 or something rediculous like that and ask them to try WIDE2-2 or WIDE3-3 and see if they can still hit an IGate. Remember, if you can hit an IGate, the world can see you. A station changing from WIDE7-7 to WIDE2-2 can eliminate hundreds of extraneous packets each time it transmits.

73s
Phil Pacier - AD6NH
Southwest CA Skywarn Coordinator
www.ahubca.net

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Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

537. [aprssig] findu.com

From: Adi Linden <adi@adis.on.ca>
Date: Tue, 11 Jun 2002 17:58:41 -0500 (CDT)
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: TAPR APRS Special Interest Group <aprssig@lists.tapr.org>
Message-ID: <LYR842-85050-2002.06.14-21.30.33--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

On Tue, 11 Jun 2002, Tim Schall wrote:
> Yaesu FT-1500 in use at my digi in Seattle. (http://map.findu.com/sea)
> Also works well as a mobile. Makes 50 or 60 watts of output and can be
> throttled back in several steps, one of which is 5 watts. I got mine for
> $129.00. ($149.00 - $20.00 coupon) at the local ham shop here in Seattle.
> Not rock bound. Hears very well. Almost bullet proof as far as intermod
> goes. It replaced an old Azden PCS-4000 up there and almost doubled the
> digi's usable range due to it's lack of intermod issues.

How do stations appear on findu.com? When I run aprsd it connects to some other hub sites. I understand this is the IGate function. Will sites learned through the digipeater automatically be distributed and eventually appear on findu.com? What's required to have the actual digipeater appear on findu.com?

Sorry if this may seem trivial. But I have yet to find comprehensive information on APRS. I am pulling together a lot of bits and pieces from everywhere, but I have almost zero info on the IGate thing.

Adi

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Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

---
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Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

538. [aprssig] Re: Tripmate mod

From: "Germino" <mgermino@inreach.com>
Date: Mon, 10 Jun 2002 12:58:30 -0700
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-85072-2002.06.14-22.20.33--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

```
I have a Tripmate I am going to mod when I get the time.  I wasn't going to
use a power switch, I was just going to power it up by plugging it in.  Any
thoughts out there on this?

I am also thinking about putting the TinyTrak inside.  I've seen a few that
have done this on their sites.

Mike
73, AD6AA



---
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Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org
```

539. [aprssig] Can you use a digi to relay PCSAT ?

From: "Andrew Rich" <andrew.rich@bigpond.com>
Date: Sat, 15 Jun 2002 13:25:30 +1000
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-85074-2002.06.14-23.01.28--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

```
Scenario:-

I live in a gully, there is a digi on a hill with an alias of SGATE

Home ---> DIGI ----> PCSAT

PCSAT -------------> Home

PCSAT --> DIGI ----> Home


I send UNPROTO APRS V SGATE,W3ADO-1

VK4TEC>APRS,SGATE,W3ADO-1 <UI>: < Packet >
VK4TEC>APRS,SGATE*,W3ADO-1 <UI>: < Packet >
VK4TEC>APRS,SGATE,W3ADO-1* <UI>: < Packet >

Also

PCSAT-11*>BEACON,SGATE:T#188,144,147,078,212,213,00010011,0111,1
PCSAT-11>BEACON,SGATE*:T#188,144,147,078,212,213,00010011,0111,1

Comments ?

Andy


-------------------------------------------
Andrew Rich
Callsign: VK4TEC
andrew.rich@bigpond.com
www.users.bigpond.com/andrew.rich/vk4tec.htm

---
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```

540. [aprssig] Motorola Mitreks

From: Paul Womble <pwomble1@tampabay.rr.com>
Date: Fri, 14 Jun 2002 23:33:53 -0400
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-85075-2002.06.14-23.11.15--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

If anyone is looking for VHF Mitrkes for a digi or other APRS use let me know. I've got a few that were pulled from commercial service. They are in good shape. Will make a good deal on them or consider trades. Let me know what you have.

73
Paul K4FB

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To unsubscribe send a blank email to leave-aprssig-842K@lists.tapr.org
Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

541. [aprssig] Re: findu.com

From: Steve Dimse <k4hg@tapr.org>
Date: Tue, 11 Jun 2002 19:22:30 -0400
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: TAPR APRS Special Interest Group <aprssig@lists.tapr.org>,
TAPR APRS Special Interest Group <aprssig@lists.tapr.org>
Message-ID: <LYR842-85079-2002.06.14-23.59.43--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

On 6/11/02 5:58 PM, adi@adis.on.ca (Adi Linden) wrote:

>How do stations appear on findu.com?

Pure magic ;-)

Actually, findu connects to the APRS Internet System just as you do, and all the data that is received gets parsed by a Perl program and stored in a MySQL database (current size 20 GB, mostly data generated in the last 90 days), when you request the page a program called a cgi (common gateway interface) script written in Perl queries the database, builds the page, and the Apache web server sends it to you.

>When I run aprsd it connects to
>some other hub sites. I understand this is the IGate function. Will
>sites learned through the digipeater automatically be distributed
>and eventually appear on findu.com?

As long as there is an IGate in range, yes.

>What's required to have the
>actual digipeater appear on findu.com?
>
Send a beacon out using the BTEXT function of the TNC, for an example see:

http://www.findu.com/cgi-bin/find.cgi?call=kd4bbm-6

>Sorry if this may seem trivial. But I have yet to find comprehensive
>information on APRS.

Have you looked at Stan's books on APRS, available from the ARRL? There are lots of good sites that cover various aspects, but the topic is so large it really does take a book even do a decent survey of what is out there.

>I am pulling together a lot of bits and pieces
>from everywhere, but I have almost zero info on the IGate thing.

There is some old but still viable technical stuff on vm.aprs.net, papers that describe the basic principles. There isn't much out there on the subject though, other than a few how-tos and such.

Steve K4HG

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542. [aprssig] Re: findu.com

From: "Glen Tubbesing" <n7got@earthlink.net>
Date: Fri, 14 Jun 2002 21:48:51 -0700
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-85093-2002.06.15-00.25.55--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

```
Something is seriously messed up on the list.  This message was sent on
Tuesday afternoon.  I received it then, but I just got another copy of
the same message on Friday night.  What's going on here?

73,
Glen Tubbesing
N7GOT
Las Vegas, NV


> -----Original Message-----
> From: bounce-aprssig-28446@lists.tapr.org [mailto:bounce-aprssig-
> 28446@lists.tapr.org] On Behalf Of Steve Dimse
> Sent: Tuesday, June 11, 2002 04:23 PM
> To: TAPR APRS Special Interest Group
> Cc: TAPR APRS Special Interest Group; TAPR APRS Special Interest Group
> Subject: [aprssig] Re: findu.com
>
> On 6/11/02 5:58 PM, adi@adis.on.ca (Adi Linden) wrote:
>
> >How do stations appear on findu.com?
>
> Pure magic ;-)
>




---
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```

543. [aprssig] Re: List setup

From: aa8ei@cinci.rr.com
Date: Sat, 15 Jun 2002 02:41:53 -0400
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-85104-2002.06.15-02.18.46--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

```
THIS IS MY "REPLY TO ALL" USING EUDORA. IT SEEMS TO WORK AS EXPECTED. I
CHECKED "REPLY" OF COURSE, BUT NO NEED TO COPY JOHN TWICE.

So what's missing in Eudora? The fact that both addresses are in the "To:"
list?

Tony




---
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```

544. [aprssig] Re: GPS patch antenna

From: "Kevin McKay" <n7urw@hotmail.com>
Date: Sat, 15 Jun 2002 08:20:51 +0000
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-85108-2002.06.15-03.57.58--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

```
Ooops, I'd Better reply to the sig as well,

Ah yes, its performance against the stock antenna.
Well, I cant really remember how great the stock GPS45 antenna was, but I
know it was good. But like I said, this home-brew patch really suffers from
the lack of a preamp. Anything within the 45deg. field of view of the
antenna will severely attenuate sat signals. this can be a real pitb when
there arent many available sats in view, or the geometry is poor to begin
with.

The "poor sat. geometry" was the most common problem I had when using mine,
```

and it was in the clear on top of my old '67 chevy van. But remember, the 45 I had was the 8 channel sequential receiver, and I havent tried the beast with my newer 12 channel parallel III+. The terrain here can be quite hilly, this caused problems as well when driving on some freeway grades with a steep hill along one side, even though a good 2/3rds of the sky was visible. I used it a few times on the dash of my wife's pontiac grand am, another car with a rediculously swept windshield. The things that caused problems were; sky blockage from the roof to some extent, and windshield wipers that parked over the antenna when they were on intermittant operation. also, water on the window would affect signal strength, but water on the antenna itself didnt seem to affect it much. snow cover? forget it!

The antenna was certainly capable down to the horizon when it was in the clear, but when you're driving, clutter like trees, tall or nearby buildings, bridges, 45' semi-trailers in the next lane, foil hamburger wrappers tossed on the dash, etc. will prety much kill the low angle coverage, the lower sats wouldnt be that great to use for a fix anyways. Now you've got me thinking I should try it again with the III+ just to see what difference a better receiver makes.

overall, it wasnt as good as the stock helical antenna, but the helicals have an amp in them, even if it is just a transistor and no filtering. weigh this against your antenna placement options; stock(not the best when compared to an active patch) ant. in a poor location, or an OK antenna with a much better but less than perfect location.

It's kinda hard to describe the differences without Az./El. charts for each.

73 de N7URW
Kev..

----Original Message Follows----
From: "Mike Yetsko" <myetsko@insydesw.com>
To: "Kevin McKay" <n7urw@hotmail.com>, "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Subject: Re: GPS Patch Antenna
Date: Fri, 14 Jun 2002 16:36:32 -0400

I suppose the real question is how you felt about it's preformance with regard to the 'stock' Garmin antennas.

In my case, I'm not so concerned about putting the antenna 'outside' as much as I am getting it out from under the roof. Unless I place my GPS unit way forward on the dash, I'm under a lot of the roof. And my dash isn't flat. It's a PITA! (A Dodge Intrepid) But,right on top of the steering wheel 'tilt box' is PERFECT for the thing. It's in the instrument cluster area, which means it's natural to glance at. And it's 'lower' than the instruments so that it's not in the way. It's in a recession
in the terrain which means it doesn't slide around. But I loose a lot of sensitivity in that area. I was just thinking of a 3 foot cable to put the
'patch' antenna 'way out front' at the bottom of the windshield to run the GPS down there.

Mike

> I made one from these plans 5+ years ago from a brass-looking
> kickplate.(brass = easy to solder, al-you-minium, well..) I think it was
> from a bathroom door, but your local Marie Calendars should have a couple
> right out front;) It worked very well out in the open, but lacking a
> pre-amp, suffered in the abundant tree cover here in the NortWet. the
> performance was good down to about 30deg el. in all but the worst urban
> areas.
>
> 73 de N7URW
> Kev..
>

It's better to remain silent and be thought a fool, than to speak up and

remove all doubt.

____
MSN Photos is the easiest way to share and print your photos:
http://photos.msn.com/support/worldwide.aspx

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545. [aprssig] Satgate problems

From: John Kraus <jfkraus3@cox.net>
Date: Sat, 15 Jun 2002 05:21:38 -0400
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-85109-2002.06.15-04.58.14--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

I heard nothing on either pass last night. When I got up this morning the computer was frozen and the display was scrambled. I will be taking the system down for the weekend to try to figure it out. Got to go for now.

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546. [aprssig] Linux to UI-view gate

From: "Andrew Rich" <andrew.rich@bigpond.com>
Date: Sat, 15 Jun 2002 20:35:58 +1000
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-85110-2002.06.15-06.11.57--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Here's an experiment

```
TH-D7A(G) -------> LINUX --------> WINDOZ UI-VIEW
```

Into LINUX com1, log tp aprs.log, out on LINUX com2.

```
cat /dev/ttyS16 >> aprs.log

tail -f /dev/ttyS17 > /dev/ttyS17
```

Andy

Andrew Rich
Callsign: VK4TEC
andrew.rich@bigpond.com
www.users.bigpond.com/andrew.rich/vk4tec.htm

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547. [aprssig] RE: Linux to UI-view gate

From: "Andrew Rich" <andrew.rich@bigpond.com>
Date: Sat, 15 Jun 2002 20:39:58 +1000
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-85113-2002.06.15-06.16.00--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Sorry, try again

```
cat /dev/ttyS16 >> aprs.log     (input from com1 and log)

tail -f aprs.log > /dev/ttyS17  (show last lines of aprs.log and send to com2)
```

Andy

Andrew Rich
Callsign: VK4TEC
andrew.rich@bigpond.com

www.users.bigpond.com/andrew.rich/vk4tec.htm

---
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548. [aprssig] Re: Tripmate mod

From: "Germino" <mgermino@inreach.com>
Date: Sat, 15 Jun 2002 05:21:12 -0700
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-85114-2002.06.15-08.03.39--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

I DID NOT RESEND THIS

Mike

----- Original Message -----
From: "Germino" <mgermino@inreach.com>
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Sent: Monday, June 10, 2002 12:58 PM
Subject: [aprssig] Re: Tripmate mod

> I have a Tripmate I am going to mod when I get the time. I wasn't going
to
> use a power switch, I was just going to power it up by plugging it in.
Any
> thoughts out there on this?
>
> I am also thinking about putting the TinyTrak inside. I've seen a few
that
> have done this on their sites.
>
> Mike
> 73, AD6AA
>
>
> ---
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>
> ---
> You are currently subscribed to aprssig as: mgermino@inreach.com
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> Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org
>
>
>

---
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Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

549. [aprssig] Re: Tripmate mod

From: "Mike Yetsko" <myetsko@insydesw.com>
Date: Sat, 15 Jun 2002 08:39:37 -0400
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-85115-2002.06.15-08.18.09--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Look at the timestamp in the message. It's something that got caught
in the queue somewhere and managed to get out.

If a network connection is bad, and a server is trying to forward mail,
it can get an ack or a nak, right? What happens if the 'bad connection'
kills the ack? The receiver will forward the 'correct' email it got. But
the sender will wait till later and finally resend it.

I've been told there are 'sequence' numbers to prevent this. But what
happens if the receiver has ALREADY forwarded the email LONG
before the sender gets around to a resend?

Mike

```
----- Original Message -----
From: "Germino" <mgermino@inreach.com>
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Sent: Saturday, June 15, 2002 8:21 AM
Subject: [aprssig] Re: Tripmate mod


> I DID NOT RESEND THIS
>
> Mike
>
> ----- Original Message -----
> From: "Germino" <mgermino@inreach.com>
> To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
> Sent: Monday, June 10, 2002 12:58 PM
> Subject: [aprssig] Re: Tripmate mod



---
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Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org
```

550. [aprssig] Re: findu.com

From: "Rich Garcia" <k4gps@bellsouth.net>
Date: Sat, 15 Jun 2002 08:46:43 -0400
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-85116-2002.06.15-08.23.10--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

```
I agree...

I just thought I was hitting the bottle a bit too hard! <g>

Rich K4GPS

-----Original Message-----
From: bounce-aprssig-19959@lists.tapr.org
[mailto:bounce-aprssig-19959@lists.tapr.org]On Behalf Of Glen Tubbesing
Sent: Saturday, June 15, 2002 12:49 AM
To: TAPR APRS Special Interest Group
Subject: [aprssig] Re: findu.com


Something is seriously messed up on the list.  This message was sent on
Tuesday afternoon.  I received it then, but I just got another copy of
the same message on Friday night.  What's going on here?

73,
Glen Tubbesing
N7GOT
Las Vegas, NV


> -----Original Message-----
> From: bounce-aprssig-28446@lists.tapr.org [mailto:bounce-aprssig-
> 28446@lists.tapr.org] On Behalf Of Steve Dimse
> Sent: Tuesday, June 11, 2002 04:23 PM
> To: TAPR APRS Special Interest Group
> Cc: TAPR APRS Special Interest Group; TAPR APRS Special Interest Group
> Subject: [aprssig] Re: findu.com
>
> On 6/11/02 5:58 PM, adi@adis.on.ca (Adi Linden) wrote:
>
> >How do stations appear on findu.com?
>
> Pure magic ;-)
>



---
You are currently subscribed to aprssig as: k4gps@bellsouth.net
To unsubscribe send a blank email to leave-aprssig-842K@lists.tapr.org
Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org
```

```
---
You are currently subscribed to aprssig as: lyris.aprssig@tapr.org
To unsubscribe send a blank email to leave-aprssig-842K@lists.tapr.org
Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org
```

551. [aprssig] Re: GPS patch antenna

From: "Mike Yetsko" <myetsko@insydesw.com>
Date: Sat, 15 Jun 2002 08:45:14 -0400
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-85117-2002.06.15-08.24.22--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

```
Kevin,

Looked good, and that's exactly what I wanted to build.

In your photo, it looked like you put a single magnetic disk on the thing.
I would suspect that the edges would act like wings to pry it loose at
speed in the car.  I would have used corner magnets and maybe even
put some kind of 'deflector' on the leading edge.

By the way, I didn't realize the Garmin antenna had a transistor in it.
At one point I tried to use a BNC extension cable with mine, and it
failed miserably.  I wonder if there was a cap in it?  If so, that would
make sense.

Mike



---
You are currently subscribed to aprssig as: lyris.aprssig@tapr.org
To unsubscribe send a blank email to leave-aprssig-842K@lists.tapr.org
Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org
```

552. [aprssig] Some interesting GPS items on eBay

From: "Gregory Beat" <gregory.beat@attbi.com>
Date: Sat, 15 Jun 2002 08:35:17 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-85121-2002.06.15-09.12.17--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

```
Some recent items of interest to APRS and TAC-GPS groups

Garmin 25 OEM GPS receiver (GPS-25LVS) on eBay
Includes what appears to be the evaluation kit accessories (data cable,
antenna, etc)
Seller claims multiple NOS units are available.
http://cgi.ebay.com/ws/eBayISAPI.dll?ViewItem&item=1359528469

Garmin 25 Manuals and software:
http://www.garmin.com/products/gps25/

TAPR Information & interface boards for Garmin 25:
http://www.tapr.org/tapr/html/gpsf.html

http://www.tapr.org/tapr/html/Fgarminib.html

Low profile Micro Pulse GPS antenna intended to be mounted under a dashboard
or under the package shelf carpeting in a car.  I believe that these
antennas were part of a Rockwell Jupiter OEM package.
Note: Qty 10 being sold:
http://cgi.ebay.com/ws/eBayISAPI.dll?ViewItem&item=1359502080

Sigem ePING SGM3900SMX GPS Antenna
http://cgi.ebay.com/ws/eBayISAPI.dll?ViewItem&item=1360270545

Cheers.

W9GB


---
You are currently subscribed to aprssig as: lyris.aprssig@tapr.org
To unsubscribe send a blank email to leave-aprssig-842K@lists.tapr.org
Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org
```

553. [aprssig] Fw: Re: Central TX APRS Congestion - Ideas?

From: Greg Jurrens <greg@jurrens.net>
Date: Sat, 15 Jun 2002 08:37:23 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-85123-2002.06.15-09.14.54--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

List:

This is what I love about Ham radio....There's always solutions waiting!

Thanks to all that replied to my post. Looks like we're victims of our own progress here in Central
Texas. Too many good sites with Digi's, etc. Let's try the tweaks suggested and log for a while to see
if clutter drops.

Thanks again everyone!

BTW - Didn't get a single SUBJECT:FLAME.....hi hi.

73,
Greg

On Fri, 14 Jun 2002 20:29:19 -0500
"Joe Dorn" <joedorn@stonemedia.com> wrote:

> I have cut back on several occasions and then not been able to hit a findu
> gate... I will cut it back again and see what happens... We also have two
> wides in the area that ping pong me... My lonesome weather station and one
> wide (W5VEX & W7KPW) was all we had in Central Texas until Austin and San
> Antonio joined the game, mostly in the past year...
>
> I travel extensively and findu is the way I check on my weather back home...
> BTW, the weather station feeds a 5-watt MFJ data radio that feed a Ringo
> Ranger (6 db gain if I recall), the top tip is about 30 feet off the ground,
> which is 682 feet above MSL... Not a powerhouse by any means... I will
> change it shortly to 4-4 and see what happens...
> Let me know...
>
> Joe Dorn, W5VEX, Belton, Texas
>
> -----Original Message-----
> From: bounce-aprssig-23581@lists.tapr.org
> [mailto:bounce-aprssig-23581@lists.tapr.org]On Behalf Of Greg Jurrens
> Sent: Friday, June 14, 2002 5:20 PM
> To: TAPR APRS Special Interest Group
> Subject: [aprssig] Central TX APRS Congestion - Ideas?
>
>

---
You are currently subscribed to aprssig as: lyris.aprssig@tapr.org
To unsubscribe send a blank email to leave-aprssig-842K@lists.tapr.org
Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

---

554. [aprssig] Re: Some interesting GPS items on eBay

From: Earl Needham <needhame@yucca.net>
Date: Sat, 15 Jun 2002 07:45:37 -0600
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-85126-2002.06.15-09.25.53--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

At 08:35 AM 6/15/2002 -0500, Gregory Beat wrote:
>Low profile Micro Pulse GPS antenna intended to be mounted under a dashboard
>or under the package shelf carpeting in a car. I believe that these
>antennas were part of a Rockwell Jupiter OEM package.
>Note: Qty 10 being sold:
>http://cgi.ebay.com/ws/eBayISAPI.dll?ViewItem&item=1359502080

I had one of these for several years (except mine had a BNC), and
it works very well. But it sure wasn't waterproof! :-(

7 3
Earl

Earl Needham, KD5XB, Clovis, New Mexico DM84jk
KD5XB-2>APW251,PCSAT-1*:=3425.83N/10313.55W-PHG7150/WinAPRS 2.5.1
-EARL_CLOVIS -251-<630>
Did you get a letter from Nigeria offering a "deal"? See

http://home.rica.net/alphae/419coal/ and
http://www.crimes-of-persuasion.com/Crimes/Business/nigerian.htm

---
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To unsubscribe send a blank email to leave-aprssig-842K@lists.tapr.org
Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

555. [aprssig] Duplicate Messages

From: k9soa@att.net
Date: Sat, 15 Jun 2002 13:53:19 +0000
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-85128-2002.06.15-09.30.36--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Just take a look at the TO and CC addresses. Most of
the time you will see the same address in BOTH. This
sends to everyone TWICE.

--
Don

www.k9soa.net (EM77EW)

Home of "JEANNIE"
The House That Listens
Using HAL2000 by Home Automated
Living
Seen on HGTV's Dream Builder show

Featured Home of the Month
Home Automation Magazine March 2002
> Something is seriously messed up on the list. This message was sent on
> Tuesday afternoon. I received it then, but I just got another copy of
> the same message on Friday night. What's going on here?
>
> 73,
> Glen Tubbesing
> N7GOT
> Las Vegas, NV
>
>
> > -----Original Message-----
> > From: bounce-aprssig-28446@lists.tapr.org [mailto:bounce-aprssig-
> > 28446@lists.tapr.org] On Behalf Of Steve Dimse
> > Sent: Tuesday, June 11, 2002 04:23 PM
> > To: TAPR APRS Special Interest Group
> > Cc: TAPR APRS Special Interest Group; TAPR APRS Special Interest Group
> > Subject: [aprssig] Re: findu.com
> >
> > On 6/11/02 5:58 PM, adi@adis.on.ca (Adi Linden) wrote:
> >
> > >How do stations appear on findu.com?
> >
> > Pure magic ;-)
> >
>
>
>
> ---
> You are currently subscribed to aprssig as: k9soa@att.net
> To unsubscribe send a blank email to leave-aprssig-842K@lists.tapr.org
> Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org
>

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556. [aprssig] [Fwd: [BEACONet] 6m AX25 catches in KY - 06-14-2002]

From: "Ev Tupis (W2EV)" <w2ev@arrl.net>
Date: Sat, 15 Jun 2002 09:51:12 -0400
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>

Message-ID: <LYR842-85129-2002.06.15-09.36.07--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Hi Guys,
I thought I'd just let you know what's been happening on 6-meter BEACONet.25
(AX.25 on 53.530 MHz). Pretty cool stuff, overall.

Ev, W2EV

-------- Original Message --------
Subject: [BEACONet] 6m AX25 catches in KY - 06-14-2002
Date: Fri, 14 Jun 2002 21:17:48 -0700 (PDT)
From: Jeff Thomas - KD4EVB <kd4evb@yahoo.com>
Reply-To: BEACONet@yahoogroups.com
To: beaconet@yahoogroups.com

Lengthy 6m opening today, even reports of 2m e-skip in certain areas. Almost the entire northern tier states west of Michigan were coming in at one time or the other today, some openings to Florida noted. SD, ND, NE, IA, WI were coming in for many hours, shorter openings to other areas (probably open to more, just not much activity in them) such as WA, MT, MN.

Guess the gods of propagation decided to flip the switch for 6m stateside back on, six came back in a big way this week!

Logs from EM78pp: (all dates/times UTC)

```
06/14/2002  KG4RII    30 pkts  1612UTC  EL86tx  FL
06/14/2002  N8QLT      1 pkt   1553UTC  EN82hl  MI
06/15/2002  WA2GUG-15  3 pkts  0112UTC  FN30    NY  *
06/15/2002  N8QLT      1 pkt   0118UTC  EN82hl  MI
```

* Appears to be non-BeacoNet activity, good NY prop indicator anyways.

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Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

557. [aprssig] New versions of Afilter and Achat posted

From: "Spider" <spider@rivcom.net>
Date: Sat, 15 Jun 2002 07:38:19 -0700
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-85142-2002.06.15-10.15.25--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

I've posted new versions of Bill's Afilter and Achat programs. They are free.

You can download them from the download page at www.wa6oft.com

Jim, WA6OFT
jim@wa6oft.com
www.wa6oft.com

AHUB - PRKRAZ - Full Feed   207.218.70.101 port 2023

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To unsubscribe send a blank email to leave-aprssig-842K@lists.tapr.org
Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

558. [aprssig] Cheap GPS at BG Micro

From: John Hansen <hansen@fredonia.edu>
Date: Sat, 15 Jun 2002 10:48:27 -0700
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-85147-2002.06.15-10.37.23--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

FWIW BG Micro (www.bgmicro.com) has Trimble SVeeSix-CM3 GPS units + active
antennas for 24.95. These are only 6 channel units, but at this price it
might still be worth it.

John W2FS

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To unsubscribe send a blank email to leave-aprssig-842K@lists.tapr.org
Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

---

559. [aprssig] Thoughts on emergency beacons

From: "Alan Heaberlin" <amh@QNET.COM>
Date: Sat, 15 Jun 2002 08:12:27 -0700
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-85148-2002.06.15-10.47.44--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

After giving this topic some consideration I have come up with some
observations about EMERGENCY beacons on APRS.
Here is what Webster says:
emergency n.,(orig. sense, an emerging) a sudden, generally unexpected
occurance demanding immediate action.

Of course the definition doesn't say by whom the action is expected, only
that there should be some.
When I travel (generally off-road or something like that) with my tracker on
I generally tell someone (family, friends, other hams, etc) first where I'm
going, when I expect to get back and and how they can see me on findu or on
my home station's computer screen. This is good advice anytime you travel
where an emergency might emerge.
When I think of emergency, my minds eye sees a police car, fire truck or
ambulance running Code 3 and getting to the action.
Unless I'm upside-down in my 4WD truck and my last gasp of effort is to flip
the channel 2 switch on my Tiny TrackII, I'm probably not going to think of
sending an emergency message on APRS. I will be screaming into my cellphone,
on 2 meters, 440 and on CB (yeah right). If I really neeed help, I'm
lighting up the spare tire with a road flare or firing 3 shots into the air.
The point is that APRS has limited usefulness in a true emergency situation
anyway. Seeing an emergency for someone 2 or 3 hundred miles away does not
give you an opportunity to be of much assistance (OK ships at sea are an
exception). Mostly when we're looking at our screens we are simply
spectators. I'm not saying it doesn't help to be vigilant, just that the
chances of being in position to help anyone are slim.
On the other hand, when our Homeland Security forces want to try out our
little APRS play toy to see if there is some benefit to using it as part of
a complex and long term strategy, we jumped at the opportunity to be of
assistance.
Let's try to keep the whole thing in perspective and avoid picking the fly
specks out of the pepper.
If the Air Force Research Lab saw the BS running on this list about what
constitutes an emergency and all the other flap that's gone on for a couple
of weeks too long, they would cancel their APRS project on those grounds
alone!
Alan Heaberlin W6AMH

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Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

---

560. [aprssig] Re: New versions of Afilter and Achat posted

From: "Phil Pacier, AD6NH" <ad6nh@arrl.net>
Date: Sat, 15 Jun 2002 10:37:16
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-85152-2002.06.15-11.14.13--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Jim, I think the link is broken to your AFilter download.

Until it's fixed, you can download it from
www.ahubca.net/download.asp

Enjoy!

Phil Pacier - AD6NH
Southwest CA Skywarn Coordinator

www.ahubca.net

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To unsubscribe send a blank email to leave-aprssig-842K@lists.tapr.org
Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

561. [aprssig] Re: Duplicate Messages

From: Roger Grady <k9opo@comteck.com>
Date: Sat, 15 Jun 2002 10:51:33 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-85153-2002.06.15-11.25.15--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

At 01:53 PM 6/15/02 +0000, k9soa@att.net wrote:
>Just take a look at the TO and CC addresses. Most of
>the time you will see the same address in BOTH. This
>sends to everyone TWICE.

It's not just that. Look at the headers below from Steve Dimse's June 11 'Re: findu.com' message that re-appeared last night - note that the SIG appears 3 times in To: and cc: (that may or may not be from Steve's email client - in a few previous messages I checked it appears either twice, once each in To: and cc: or 3 times, as below), and that the list address and software version lines are duplicated. These lines are single in a normal message and are added by the list server. Most of the delayed duplicate messages have these lines duplicated also. Something is definitely messing up with the list server.

Roger Grady

```
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
cc: TAPR APRS Special Interest Group <aprssig@lists.tapr.org>,
   TAPR APRS Special Interest Group <aprssig@lists.tapr.org>
List-Unsubscribe: <mailto:leave-aprssig-842K@lists.tapr.org>
List-Unsubscribe: <mailto:leave-aprssig-842K@lists.tapr.org>
List-Software: Lyris Server version 3.0
List-Software: Lyris Server version 3.0
List-Subscribe: <mailto:subscribe-aprssig@lists.tapr.org>
List-Subscribe: <mailto:subscribe-aprssig@lists.tapr.org>
List-Owner: <mailto:owner-aprssig@lists.tapr.org>
List-Owner: <mailto:owner-aprssig@lists.tapr.org>
```

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To unsubscribe send a blank email to leave-aprssig-842K@lists.tapr.org
Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

562. [aprssig] Re: New versions of Afilter and Achat posted

From: "Spider" <spider@rivcom.net>
Date: Sat, 15 Jun 2002 09:07:12 -0700
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-85155-2002.06.15-11.44.21--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

it works... www.wa6oft.com
----- Original Message -----
From: "Phil Pacier, AD6NH" <ad6nh@arrl.net>
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Sent: Saturday, June 15, 2002 10:37 AM
Subject: [aprssig] Re: New versions of Afilter and Achat posted

> Jim, I think the link is broken to your AFilter download.
>
> Until it's fixed, you can download it from
> www.ahubca.net/download.asp
>
> Enjoy!
>
> Phil Pacier - AD6NH
> Southwest CA Skywarn Coordinator
> www.ahubca.net
>
> ---
> You are currently subscribed to aprssig as: spider@rivcom.net

> To unsubscribe send a blank email to leave-aprssig-842K@lists.tapr.org
> Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org
>
>
>

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To unsubscribe send a blank email to leave-aprssig-842K@lists.tapr.org
Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

563. [aprssig] Re: Cheap GPS at BG Micro

From: "Gregory Beat" <gregory.beat@attbi.com>
Date: Sat, 15 Jun 2002 11:15:26 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-85156-2002.06.15-11.52.29--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

John -

Thanks for the notice on the Trimble's. BG Micro lists these
Trimble units under their "late addition" section:
http://www.bgmicro.com/lmad.htm

Tom Clark's, W3IWI, TAC-2 board interfaces with the Trimble SK-8, but may
require additional work (components and docs) for the SVeeSix.

I believe Tom used some SVeeSix models for his early TAC-1 and TAC-2 work
(memory from the 1986 AMSAT conference).

Nice Motorola 8 channel Oncore models [VP, GT+ and a few UT] are now
appearing in surplus (cellular site upgrades). I picked up a very nice GT+
model for $ 31.00 on eBay for a tracking project just last week.

Greg
w9gb

----- Original Message -----
From: "John Hansen" <hansen@fredonia.edu>
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Sent: Saturday, June 15, 2002 12:48 PM
Subject: [aprssig] Cheap GPS at BG Micro

> FWIW BG Micro (www.bgmicro.com) has Trimble SVeeSix-CM3 GPS units + active
> antennas for 24.95. These are only 6 channel units, but at this price it
> might still be worth it.
>
> John W2FS
>
>
> ---
> You are currently subscribed to aprssig as: gregory.beat@attbi.com
> To unsubscribe send a blank email to leave-aprssig-842K@lists.tapr.org
> Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org
>
>

You are currently subscribed to aprssig as: lyris.aprssig@tapr.org
To unsubscribe send a blank email to leave-aprssig-842K@lists.tapr.org
Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

564. [aprssig] Re: Duplicate Messages

From: "Ronald Reams" <wa4mjf@worldnet.att.net>
Date: Sat, 15 Jun 2002 12:34:11 -0400
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-85157-2002.06.15-12.11.21--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Best thing to do is not worry about it.

Do yourselves a favor and keep your BP down.

If it is a duplicate, just use the ole delete, works for me!

73 de Ronnie

----- Original Message -----
From: "Roger Grady" <k9opo@comteck.com>
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Sent: Saturday, June 15, 2002 11:51
Subject: [aprssig] Re: Duplicate Messages

At 01:53 PM 6/15/02 +0000, k9soa@att.net wrote:
>Just take a look at the TO and CC addresses. Most of
>the time you will see the same address in BOTH. This
>sends to everyone TWICE.

It's not just that. Look at the headers below from Steve Dimse's June 11 'Re: findu.com' message that re-appeared last night - note that the SIG appears 3 times in To: and cc: (that may or may not be from Steve's email client - in a few previous messages I checked it appears either twice, once each in To: and cc: or 3 times, as below), and that the list address and software version lines are duplicated. These lines are single in a normal message and are added by the list server. Most of the delayed duplicate messages have these lines duplicated also. Something is definitely messing up with the list server.

Roger Grady

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To unsubscribe send a blank email to leave-aprssig-842K@lists.tapr.org
Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

565. [aprssig] Re: Cheap GPS at BG Micro

From: Gregg Martell <gmartell@pobox.com>
Date: Sat, 15 Jun 2002 16:04:49 -0400
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-85164-2002.06.15-15.38.43--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Do these units transmit data over 60,000 feet like the Oncores? I'm looking for unit for a balloon launch.

Gregg
kb3gmv

At 11:15 AM 6/15/02 -0500, Gregory Beat wrote:
>John -
>
>Thanks for the notice on the Trimble's. BG Micro lists these
>Trimble units under their "late addition" section:
>http://www.bgmicro.com/lmad.htm
>
>Tom Clark's, W3IWI, TAC-2 board interfaces with the Trimble SK-8, but may
>require additional work (components and docs) for the SVeeSix.
>
>I believe Tom used some SVeeSix models for his early TAC-1 and TAC-2 work
>(memory from the 1986 AMSAT conference).
>
>Nice Motorola 8 channel Oncore models [VP, GT+ and a few UT] are now
>appearing in surplus (cellular site upgrades). I picked up a very nice GT+
>model for $ 31.00 on eBay for a tracking project just last week.
>
>Greg
>w9gb
>
>----- Original Message -----
>From: "John Hansen" <hansen@fredonia.edu>
>To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
>Sent: Saturday, June 15, 2002 12:48 PM
>Subject: [aprssig] Cheap GPS at BG Micro
>
>
> > FWIW BG Micro (www.bgmicro.com) has Trimble SVeeSix-CM3 GPS units + active
> > antennas for 24.95. These are only 6 channel units, but at this price it
> > might still be worth it.

```
> >
> > John W2FS
> >
> >
> > ---
> > You are currently subscribed to aprssig as: gregory.beat@attbi.com
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> > Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org
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> >
>
>
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>You are currently subscribed to aprssig as: gmartell@pobox.com
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Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org
```

---

566. [aprssig] GPS receivers past 60k feet altitude

From: "Gregory Beat" <gregory.beat@attbi.com>
Date: Sat, 15 Jun 2002 15:40:16 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-85165-2002.06.15-16.17.16--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

```
Gregg -

"From the TAPR archives"

BTW, surplus Rockwell Jupiters are also on eBay
(surplus from long haul trucking applications)

Greg
w9gb
--------------------------------------------
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
a.. Subject: [aprssig] Re: GPS-2+ on a balloon?
a.. From: "Dr Thomas A Clark (W3IWI)" <tac@clark.net>
a.. Date: Tue, 07 Sep 1999 03:45:49 +0000

Earl Needham wrote:
>
>         Has anybody used a GPS-2+ on a balloon flight?  If so, were there
> any problems with it?

Don't know about the Garmin units. In another posting, you mentioned
flying to 120kft. Be advised that the COCOM export rules forbid the
export of GPS receivers capable of operating at altitudes greater than
60 kft while flying at speeds greater than Mach 2 -- and since
manufacturers don't know if their hardware might be exported, they
apply the rule to all their products. This export rule is
affectionately known as the "Anti-SCUD" rule.

One manufacturer (Trimble) chose to interpret the two parts
of this rule with a logical OR test. Whenever a Trimble SV-6
flies thru 60kft altitude, the receiver does a cold-start
reboot placing it in Sunnyvale, CA.

Another manufacturer (Motorola, with firmware revisions 5.0
and greater) wanted to be able to have their receivers used on
balloons, so they (and their lawyers) determined that the two
criteria were joined by a logical AND, the ONCORE (and the
predecessor PVT-6 receivers with post ~1994 Rev.5 firmware)
have a proven track record in balloons than fly slower than
Mach 2. It is reported that the Rockwell Jupiter (and hence
probably the original DeLorme Tripmates) uses the same Anti-
SCUD definition that Motorola did and it SHOULD be OK.

I wonder why the fixation on the GPS-2+? Given that it is built for
human use with an LCD that will surely freeze up, why not just
use one of the OEM board-level GPS receivers?

73, Tom W3IWI
```

```
----- Original Message -----
From: "Gregg Martell" <gmartell@pobox.com>
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Sent: Saturday, June 15, 2002 3:04 PM
Subject: [aprssig] Re: Cheap GPS at BG Micro


> Do these units transmit data over 60,000 feet like the Oncores?  I'm
> looking for unit for a balloon launch.
>
> Gregg
> kb3gmv
>
> At 11:15 AM 6/15/02 -0500, Gregory Beat wrote:
> >John -
> >
> >Thanks for the notice on the Trimble's.  BG Micro lists these
> >Trimble units under their "late addition" section:
> >http://www.bgmicro.com/lmad.htm
> >
> >Tom Clark's, W3IWI, TAC-2 board interfaces with the Trimble SK-8, but may
> >require additional work (components and docs) for the SVeeSix.
> >
> >I believe Tom used some SVeeSix models for his early TAC-1 and TAC-2 work
> >(memory from the 1986 AMSAT conference).
> >
> >Nice Motorola 8 channel Oncore models [VP, GT+ and a few UT] are now
> >appearing in surplus (cellular site upgrades).  I picked up a very nice
GT+
> >model for $ 31.00 on eBay for a tracking project just last week.
> >
> >Greg
> >w9gb
> >
> >----- Original Message -----
> >From: "John Hansen" <hansen@fredonia.edu>
> >To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
> >Sent: Saturday, June 15, 2002 12:48 PM
> >Subject: [aprssig] Cheap GPS at BG Micro
> >
> >
> > > FWIW BG Micro (www.bgmicro.com) has Trimble SVeeSix-CM3 GPS units +
active
> > > antennas for 24.95. These are only 6 channel units, but at this price
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> > > might still be worth it.
> > >
> > > John W2FS
> > >
> > >
> > > ---
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> >
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```

567. [aprssig] Re: Cheap GPS at BG Micro

From: "Wes Johnston" <wes@johnston.net>
Date: Sat, 15 Jun 2002 17:12:30 -0400
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: "aprs" <aprssig@tapr.org>
Message-ID: <LYR842-85166-2002.06.15-16.49.44--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

```
Ummmm... these don't do NMEA do they?
Wes

----- Original Message -----
From: "Gregory Beat" <gregory.beat@attbi.com>
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Sent: Saturday, June 15, 2002 12:15 PM
Subject: [aprssig] Re: Cheap GPS at BG Micro


> John -
>
> Thanks for the notice on the Trimble's.  BG Micro lists these
> Trimble units under their "late addition" section:
> http://www.bgmicro.com/lmad.htm
>
> Tom Clark's, W3IWI, TAC-2 board interfaces with the Trimble SK-8, but may
> require additional work (components and docs) for the SVeeSix.
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> I believe Tom used some SVeeSix models for his early TAC-1 and TAC-2 work
> (memory from the 1986 AMSAT conference).
>
> Nice Motorola 8 channel Oncore models [VP, GT+ and a few UT] are now
> appearing in surplus (cellular site upgrades).  I picked up a very nice
GT+
> model for $ 31.00 on eBay for a tracking project just last week.
>
> Greg
> w9gb
>
> ----- Original Message -----
> From: "John Hansen" <hansen@fredonia.edu>
> To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
> Sent: Saturday, June 15, 2002 12:48 PM
> Subject: [aprssig] Cheap GPS at BG Micro
>
>
> > FWIW BG Micro (www.bgmicro.com) has Trimble SVeeSix-CM3 GPS units +
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> > antennas for 24.95. These are only 6 channel units, but at this price it
> > might still be worth it.
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> > John W2FS
> >
> >
> > ---
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> > Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org
> >
> >
>
>
> ---
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>
>


---
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Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org
```

568. [aprssig] Sea Turtle Tracking

From: "Spider" <spider@rivcom.net>
Date: Sat, 15 Jun 2002 14:32:51 -0700

To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-85169-2002.06.15-17.10.02--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Found this interesting. One of the people I work with was involved with catching Sea Turtles in Baja, Mexico so that they could attach transmitters. Guess these transmitters cost BIG BUCKs and they do not track very many. Some of the turtles
made it as far as Japan and the signal was lost. Army Corps of Eng. is also involve in turtle tracking. All sorts of info on the web.

Story...
The small, low wattage transmitters attached to the turtles are controlled by a micro-processor which is programmed by a computer before they were attached. The program tells the microprocessor how to store information and when to transmit the information to the satellites. There are 4 polar orbiting satellites that are currently used for tracking animals. The satellites are operated by the U.S. National Oceanic and Atmospheric Organization (NOAA) and are the same satellites used to monitor global weather patterns......
For the full story....
http://www.cccturtle.org/satintro.htm

Gee, what a great project for the PCSat guys!

Jim

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To unsubscribe send a blank email to leave-aprssig-842K@lists.tapr.org
Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

569. [aprssig] Hit and Run: Batteries

From: "Ev Tupis (W2EV)" <w2ev@arrl.net>
Date: Sat, 15 Jun 2002 17:36:53 -0400
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-85171-2002.06.15-17.21.47--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

***** Please reply direct *****

Stan has been a pretty good guy about my picking the brains of folks on this list with non APRS stuff, as long as the list isn't cluttered with responses. Thanks, Stan!

***** Please reply direct *****

- - - - -

I need to speak with someone who **knows** batteries. Not just someone who read something or has annecdotal data...someone who knows batteries. If this is you...I'd really appreciate your help (and you can rest assured that you've touched the lives of 15,000 students in a very positive way).

I need to know what type of battery is least suseptible to partial-discharge, partial-recharge 'damage'. I need the 'formula' (lead-acid, NiCd, etc.) not a brand name (Eveready, etc.).

The application is laptop computers that will be used by teachers and students throughout the day, and may be only partially discharged when they're hooked back up the the charger...or partially charged when they are removed from the charger to be used.

Insights are appreciated.

Ev Tupis, W2EV

Oh, by the way... **** Please reply direct ***** :o))

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Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

570. [aprssig] HELP! Need Map

From: "Roy Bost" <rbost@itexas.net>
Date: Sat, 15 Jun 2002 16:57:27 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-85172-2002.06.15-17.34.31--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

```
Know some folks that are going to El Salvador in the next week or two.  They
are in need of a roadmap of El Salvador that can be used with one  of the
Windows based APRS programs....or at worst case with one of the mapping
programs.

Roy Bost
rbost@itexas.net



---
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Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org
```

571. [aprssig] Re: Duplicate Messages

From: "John Becker" <molou@big-river.net>
Date: Sat, 15 Jun 2002 17:14:28 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-85174-2002.06.15-17.51.30--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

```
> Best thing to do is not worry about it.
>
> Do yourselves a favor and keep your BP down.
>
> If it is a duplicate, just use the ole delete, works for me!
>
> 73 de Ronnie
>
>


Now that sounds better then complaining about it.

Your lucky day, the local plastic company has a over run of
white and gray "delete" keys.

sales@noble-plasic.com

cheaper by the gross.......





---
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To unsubscribe send a blank email to leave-aprssig-842K@lists.tapr.org
Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org
```

572. [aprssig] Re: Cheap GPS at BG Micro

From: John Hansen <hansen@fredonia.edu>
Date: Sat, 15 Jun 2002 18:04:48 -0700
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: aprssig@tapr.org
Message-ID: <LYR842-85175-2002.06.15-17.54.10--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

```
To my knowledge, the unit just doesn't do RMC.  But I could be wrong about
this.

John W2FS


At 05:50 PM 6/15/02 -0400, you wrote:
>Can you make them do RMC with the KPC3 GPSINIT string?  or is it more than
>one command?
>Wes
>
>----- Original Message -----
>From: "John Hansen" <hansen@fredonia.edu>
```

>To: "Wes Johnston" <wes@johnston.net>; "TAPR APRS Special Interest Group"
><aprssig@lists.tapr.org>
>Cc: "aprs" <aprssig@tapr.org>
>Sent: Saturday, June 15, 2002 8:15 PM
>Subject: Re: [aprssig] Re: Cheap GPS at BG Micro
>
>
> > I'm not sure what the CM3 is, but a couple of years ago some SVee-6's
> > became available and I had to rewrite the GPS-E-2 code because while they
> > did support NMEA, they did not output the RMC sentence.   I ended up using
> > GGA and VTG sentences instead. That firmware (for the PIC-E) is posted on
> > the TAPR ftp site.
> >
> > John W2FS
> >
> >

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To unsubscribe send a blank email to leave-aprssig-842K@lists.tapr.org
Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

---

573. [aprssig] Fw: Sea Turtle Tracking

From: frastephen@comcast.net
Date: Sat, 15 Jun 2002 18:40:18 -0400
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-85180-2002.06.15-18.18.12--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Very interesting!
Actually, this would make a great project. I am sure there are many
scientists who would love to do research like this but can not afford the
commercial equipment. What a great service to the scientific community
that
would be if a prototype could be developed! Hopefully, there are many more
APRS sats in the offing to support an effort like that!

Peace & 73
Stephen
W3SMK
K2 #2644

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Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

---

574. [aprssig] Re: Cheap GPS at BG Micro

From: "Andrew Rich" <andrew.rich@bigpond.com>
Date: Sun, 16 Jun 2002 09:53:55 +1000
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: "aprs" <aprssig@tapr.org>
Message-ID: <LYR842-85185-2002.06.15-19.29.51--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

The Trimble receivers are supplied as small printed circuit cards with CMOS compatible TTL level input and output. For connection to
the computer, the I/O lines must be inverted and buffered to RS232 levels. A simple interface circuit shown below provides a
regulated power supply, backup power for the on-board memory and buffering for the main I/O lines. The 1 PPS timing signal is not
used here, so has not been buffered, but they do appear to be NMEA compliant.

Andy VK4TEC

-----Original Message-----
From: bounce-aprssig-23621@lists.tapr.org
[mailto:bounce-aprssig-23621@lists.tapr.org]On Behalf Of Wes Johnston
Sent: Sunday, 16 June 2002 07:13
To: TAPR APRS Special Interest Group
Cc: aprs
Subject: [aprssig] Re: Cheap GPS at BG Micro

Ummmm... these don't do NMEA do they?
Wes

----- Original Message -----
From: "Gregory Beat" <gregory.beat@attbi.com>
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Sent: Saturday, June 15, 2002 12:15 PM
Subject: [aprssig] Re: Cheap GPS at BG Micro

> John -
>
> Thanks for the notice on the Trimble's. BG Micro lists these
> Trimble units under their "late addition" section:
> http://www.bgmicro.com/lmad.htm
>
> Tom Clark's, W3IWI, TAC-2 board interfaces with the Trimble SK-8, but may
> require additional work (components and docs) for the SVeeSix.
>
> I believe Tom used some SVeeSix models for his early TAC-1 and TAC-2 work
> (memory from the 1986 AMSAT conference).
>
> Nice Motorola 8 channel Oncore models [VP, GT+ and a few UT] are now
> appearing in surplus (cellular site upgrades). I picked up a very nice
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> model for $ 31.00 on eBay for a tracking project just last week.
>
> Greg
> w9gb
>
> ----- Original Message -----
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> To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
> Sent: Saturday, June 15, 2002 12:48 PM
> Subject: [aprssig] Cheap GPS at BG Micro
>
>
> > FWIW BG Micro (www.bgmicro.com) has Trimble SVeeSix-CM3 GPS units +
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> > ---
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>
>
> ---
> You are currently subscribed to aprssig as: kd4rdb@netzero.com
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>

You are currently subscribed to aprssig as: andrew.rich@bigpond.com
To unsubscribe send a blank email to leave-aprssig-842K@lists.tapr.org
Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

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To unsubscribe send a blank email to leave-aprssig-842K@lists.tapr.org
Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

575. [aprssig] Re: Cheap GPS at BG Micro

From: "Andrew Rich" <andrew.rich@bigpond.com>
Date: Sun, 16 Jun 2002 09:58:25 +1000

To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: "aprs" <aprssig@tapr.org>
Message-ID: <LYR842-85187-2002.06.15-19.34.22--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Gents,

The Trimble receivers are supplied as small printed circuit cards with CMOS compatible TTL level input and output. For connection to
the computer, the I/O lines must be inverted and buffered to RS232 levels. A simple interface circuit shown below provides a
regulated power supply, backup power for the on-board memory and buffering for the main I/O lines. The 1 PPS timing signal is not
used here, so has not been buffered, but they do appear to be NMEA compliant.

Andy VK4TEC

-----Original Message-----
From: bounce-aprssig-23621@lists.tapr.org
[mailto:bounce-aprssig-23621@lists.tapr.org]On Behalf Of Wes Johnston
Sent: Sunday, 16 June 2002 07:13
To: TAPR APRS Special Interest Group
Cc: aprs
Subject: [aprssig] Re: Cheap GPS at BG Micro

Ummmm... these don't do NMEA do they?
Wes

----- Original Message -----
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To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Sent: Saturday, June 15, 2002 12:15 PM
Subject: [aprssig] Re: Cheap GPS at BG Micro

> John -
>
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> Trimble units under their "late addition" section:
> http://www.bgmicro.com/lmad.htm
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> Tom Clark's, W3IWI, TAC-2 board interfaces with the Trimble SK-8, but may
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> Greg
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> ----- Original Message -----
> From: "John Hansen" <hansen@fredonia.edu>
> To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
> Sent: Saturday, June 15, 2002 12:48 PM
> Subject: [aprssig] Cheap GPS at BG Micro
>
>
> > FWIW BG Micro (www.bgmicro.com) has Trimble SVeeSix-CM3 GPS units +
active
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```
>
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>
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Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org
```

576. [aprssig] APRS - Need PERL Help

From: "Andrew Rich" <andrew.rich@bigpond.com>
Date: Sun, 16 Jun 2002 11:13:31 +1000
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-85189-2002.06.15-20.49.24--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

```
Gents,

LINUX, Perl

Here is my current script

    #!/usr/bin/perl
    open (line, "/dev/ttyS16");
    open (out, ">> aprs.log");
    while (<line>)
    {
    print out `date`;
    print out;
    }

Produces

    Sun Jun 16 11:05:50 EST 2002
    VK4JEN>APW247,VK4GO,VK4GME-3*:_06161446c355s004g009t075r000p000P000h76b10119wU2K

How can i get it to do this:-

    Sun Jun 16 11:05:50 EST 2002
VK4JEN>APW247,VK4GO,VK4GME-3*:_06161446c355s004g009t075r000p000P000h76b10119wU2K

ie, how can I get the date and data on one line in perl ?


-------------------------------------------
Andrew Rich
Callsign: VK4TEC
andrew.rich@bigpond.com
www.users.bigpond.com/andrew.rich/vk4tec.htm

---
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Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org
```

577. [aprssig] Re: [OZAPRS] APRS - Need PERL Help

From: Hamish Moffatt <hamish@cloud.net.au>
Date: Sun, 16 Jun 2002 11:22:23 +1000
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-85190-2002.06.15-20.59.27--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

```
On Sun, Jun 16, 2002 at 11:13:31AM +1000, Andrew Rich wrote:
>     Sun Jun 16 11:05:50 EST 2002
>     VK4JEN>APW247,VK4GO,VK4GME-3*:_06161446c355s004g009t075r000p000P000h76b10119wU2K
>
```

> How can i get it to do this:-
>
>   Sun Jun 16 11:05:50 EST 2002
VK4JEN>APW247,VK4GO,VK4GME-3*:_06161446c355s004g009t075r000p000P000h76b10119wU2K
>
> ie, how can I get the date and data on one line in perl ?

Instead of

```
print out `date`;
```

use

```
$date = `date`;
chop $date;
print out $date;
```

Better yet, use perl functions to get the date.

Hamish
--
Hamish Moffatt VK3SB <hamish@debian.org> <hamish@cloud.net.au>

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578. [aprssig] APRS Perl solution found

From: "Andrew Rich" <andrew.rich@bigpond.com>
Date: Sun, 16 Jun 2002 12:18:42 +1000
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-85192-2002.06.15-21.54.34--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

This script:-

```
#!/usr/bin/perl/
open (line,"/dev/ttys16");
open (out,">> aprs.log");
while (<line>)
{
$date=`date`;
$space=" ";
chop $date;
print out $date;
print out $space;
print space out;
}
```

outputs:-

```
Sun Jun 16 12:12:32 EST 2002
VK4JEN>APW247,VK4GO,VK4GME-3*:_06161541c253s000g004t078r000p000P000h73b10102wU2K
Sun Jun 16 12:13:34 EST 2002 VK4GME-3>APRS:!2733.24S/15303.17E#PHG6520/Supporting the Brisbane Area
WICEN Group Inc.
```

Many thanks to those who helped

Andrew Rich
Callsign: VK4TEC
andrew.rich@bigpond.com
www.users.bigpond.com/andrew.rich/vk4tec.htm

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579. [aprssig] APRS Perl solution found (II)

From: "Andrew Rich" <andrew.rich@bigpond.com>
Date: Sun, 16 Jun 2002 12:27:28 +1000
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-85193-2002.06.15-22.03.22--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Made a mistake...

This script:-

```
#!/usr/bin/perl/
open (line,"/dev/ttyS16");
open (out,">> aprs.log");
while (<line>)
{
$date=`date`;
$space=" ";
chop $date;
print out $date;
print out $space;
print out;
}
```

outputs:-

```
Sun Jun 16 12:12:32 EST 2002
VK4JEN>APW247,VK4GO,VK4GME-3*:_06161541c253s000g004t078r000p000P000h73b10102wU2K
Sun Jun 16 12:13:34 EST 2002 VK4GME-3>APRS:!2733.24S/15303.17E#PHG6520/Supporting the Brisbane Area
WICEN Group Inc.
```

Many thanks to those who helped

Andrew Rich
Callsign: VK4TEC
andrew.rich@bigpond.com
www.users.bigpond.com/andrew.rich/vk4tec.htm
____
ozaprs mailing list
ozaprs@marconi.ics.mq.edu.au
http://marconi.ics.mq.edu.au/cgi-bin/mailman/listinfo/ozaprs

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Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

580. [aprssig] Something wierd with ui-view

From: "Andrew Rich" <andrew.rich@bigpond.com>
Date: Sun, 16 Jun 2002 12:31:10 +1000
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-85194-2002.06.15-22.07.26--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Gents,

I now have my LINUX MACHINE logging and sending to my ui-view machine sending this:-

```
Sun Jun 16 12:17:03 EST 2002 00>APT202,VK4KV-3*,WIDE4-2:!2628.31S/15240.80ER029/025/A=000344
Sun Jun 16 12:18:47 EST 2002 VK4AL-3>APU24P,VK4DMI-3*,WIDE4-3 <UI C>:=2626.83S/15234.48E#for Imbil Car
Rally
Sun Jun 16 12:19:24 EST 2002 VK4JEN-3>APZ186,WIDE3-2 <UI C>:!2645.42S\15250.82E#phg5100/aprs digi Maleny
Sun Jun 16 12:20:08 EST 2002 00>APT202,VK4KV-3*,WIDE4-2 <UI>:!2627.69S/15240.73ER249/000/A=000334
Sun Jun 16 12:21:58 EST 2002 VK4GO>ID,VK4GME-3* <UI>:VK4GO/R RELAY/D *VK4GO-1/B
Sun Jun 16 12:22:01 EST 2002 VK4JEN>APW247,VK4GME-3*,WIDE <UI C>:=2757.26S/15324.08E_PHG4100/WinAPRS
2.4.7 -247-<530>
Sun Jun 16 12:22:05 EST 2002 VK4JEN>APW247,VK4GO,VK4GME-3* <UI C>:=2757.26S/15324.08E_PHG4100/WinAPRS
2.4.7 -247-<530>
Sun Jun 16 12:22:13 EST 2002 00>APT202,VK4AL-3*,WIDE4-2 <UI>:!2627.68S/15240.69ER341/000/A=000324
Sun Jun 16 12:22:32 EST 2002 VK4JEN-3>APZ186,WIDE7-5 <UI C>:!2645.42S\15250.82E#phg5100/aprs digi Car
rally
Sun Jun 16 12:23:07 EST 2002 VK4JEN>APW247,VK4GME-3*,WIDE <UI
C>:_06161551c275s002g006t077r000p000P000h73b10100wU2K
Sun Jun 16 12:23:11 EST 2002 VK4JEN>APW247,VK4GO,VK4GME-3* <UI
C>:_06161551c275s002g006t077r000p000P000h73b10100wU2K
Sun Jun 16 12:23:16 EST 2002 00>APT202,VK4AL-3*,WIDE4-2 <UI>:!2627.68S/15240.69ER341/000/A=000308
Sun Jun 16 12:23:53 EST 2002 VK4JEN-3>APZ186,VK4GME-3*,WIDE <UI C>:!2645.42S\15250.82E#phg5100/aprs digi
 imbil rally
```

The odd thing is that UI-VIEW has no problems with the fact that the date is out front...

Andy

Andrew Rich
Callsign: VK4TEC
andrew.rich@bigpond.com
www.users.bigpond.com/andrew.rich/vk4tec.htm

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---

581. [aprssig] Re: Fw: Sea Turtle Tracking

From: "Dick Stanich" <dick@kb7zva.com>
Date: Sun, 16 Jun 2002 0:56:18
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-85217-2002.06.16-01.33.23--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

I read somewhere that a prototype was developed for tracking crickets. It failed because the units were too heavy, and the crickets couldn't move very well. Their legs couldn't support the weight. In any case, Sea Turtles probably could handle the payload much better.

Dick, KB7ZVA

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---

582. [aprssig] Re: [OZAPRS] APRS Perl solution found (II)

From: Hamish Moffatt <hamish@cloud.net.au>
Date: Sun, 16 Jun 2002 19:18:23 +1000
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-85236-2002.06.16-04.55.28--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

On Sun, Jun 16, 2002 at 12:27:28PM +1000, Andrew Rich wrote:

```
> print out $date;
> print out $space;
> print out;
```

You can combine all of this into

```
print out "$date $_";
```

Hamish
--
Hamish Moffatt VK3SB <hamish@debian.org> <hamish@cloud.net.au>

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Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

---

583. [aprssig] Re: Something wierd with ui-view

From: "Roger Barker" <g4ide@ui-view.com>
Date: Sun, 16 Jun 2002 10:29:28 +0100
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-85237-2002.06.16-05.06.42--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

----- Original Message -----
From: "Andrew Rich" <andrew.rich@bigpond.com>
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
>
> I now have my LINUX MACHINE logging and sending to my ui-view machine sending this:-
>

```
> Sun Jun 16 12:17:03 EST 2002
00>APT202,VK4KV-3*,WIDE4-2:!2628.31S/15240.80ER029/025/A=000344
> Sun Jun 16 12:18:47 EST 2002 VK4AL-3>APU24P,VK4DMI-3*,WIDE4-3 <UI
C>:=2626.83S/15234.48E#for Imbil Car Rally
```

[snip]
>
> The odd thing is that UI-VIEW has no problems with the fact that the date is out front...

Something "weird"? Shouldn't it be "wonderful"? ;-)

--
Roger Barker, G4IDE - g4ide@ui-view.com
For UI-View go to - http://www.UI-View.com
For WinPack go to - http://www.peaksys.co.uk

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584. [aprssig] Trmble Svee-Six

From: Doug Bade <doug@clecom.com>
Date: Sun, 16 Jun 2002 09:42:56 -0400
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-85246-2002.06.16-09.21.12--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

The Trimble Svee-Six CM3 CAN be NMEA but may not be.

There were 3 different flash upgrade-able versions, TAIP, TSIP, and NMEA. I have flashed them to NMEA but they may not be. I do have a Trimble Manual on the Svee-Six, if info is needed. It is paper (spiral bound about an inch and a half thick).

I was involved in the Pic-E conversion process, although N8XOS Greg did most of the code work along with John W2FS's assistance on re-compiling...

The GGA vs RMC info quoted was an issue as the NMEA sentences are only partially available... They are great units once you get them going. TAPR had an interface kit and may still, but a Max 232 based circuit is fairly simple... I built 6 stand alone trackers which we use for public service events, based on the Svee-Six. They glitched at Y2KRO but have been fine since.

I have a board interface,with radio and PIC-E layout based on a modem sized case BG MIcro used to and may still sell, which was done in Express PCB CAD form . I had them make some PC boards. Not real cheap but very professional. Some drilling of mounting and such needs to be done, but anyone interested contact me for info. The CAD program is free but you must use there service with the CAD files it makes...

Doug KB8GVQ

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To unsubscribe send a blank email to leave-aprssig-842K@lists.tapr.org
Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

585. [aprssig] Re: Trmble Svee-Six

From: "Tim Cunningham" <tim_cunningham@mindspring.com>
Date: Sun, 16 Jun 2002 09:01:42 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-85248-2002.06.16-09.42.53--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

I purchased a Trimble Svee-six CM3 quite some time ago and it worked perfectly with my Kenwood D700. I had to build a RS232 to TTL converter and run a program to configure the GPS to output NMEA data. I also had to build a regulator from 12 to 5 volts and put it in a little Radio Shack project box. It continues to work great.

Below is a sample output I captured on my unit during the process of testing it out a few years ago in case anybody wants to see what it can output in the NMEA format which consisted of $GPGGA and $GPVTG sentences:

```
$GPGGA,005415,3448.186,N,08641.806,W,1,6,001.5,282,M,-030,M,,*70
$GPVTG,000,T,001,M,00.0,N,00.0,K*4F
$GPGGA,005416,3448.186,N,08641.806,W,1,6,001.5,282,M,-030,M,,*73
$GPVTG,000,T,001,M,00.0,N,00.0,K*4F
$GPGGA,005417,3448.186,N,08641.806,W,1,6,001.5,282,M,-030,M,,*72
$GPVTG,000,T,001,M,00.0,N,00.0,K*4F
$GPGGA,005418,3448.186,N,08641.806,W,1,6,001.5,282,M,-030,M,,*7D
```

```
$GPVTG,000,T,001,M,00.0,N,00.0,K*4F
$GPGGA,005419,3448.186,N,08641.806,W,1,6,001.5,282,M,-030,M,,*7C
$GPVTG,000,T,001,M,00.0,N,00.0,K*4F
$GPGGA,005421,3448.186,N,08641.806,W,1,6,001.5,282,M,-030,M,,*77
$GPVTG,000,T,001,M,00.0,N,00.0,K*4F
$GPGGA,005422,3448.186,N,08641.806,W,1,6,001.5,282,M,-030,M,,*74
$GPVTG,000,T,001,M,00.0,N,00.0,K*4F
$GPGGA,005423,3448.186,N,08641.806,W,1,6,001.5,282,M,-030,M,,*75
$GPVTG,000,T,001,M,00.0,N,00.0,K*4F
$GPGGA,005424,3448.186,N,08641.806,W,1,6,001.5,282,M,-030,M,,*72
$GPVTG,000,T,001,M,00.0,N,00.0,K*4F
$GPGGA,005425,3448.186,N,08641.806,W,1,6,001.5,282,M,-030,M,,*73
$GPVTG,000,T,001,M,00.0,N,00.0,K*4F
$GPGGA,005426,3448.186,N,08641.806,W,1,6,001.5,282,M,-030,M,,*70
$GPVTG,000,T,001,M,00.0,N,00.0,K*4F
```

73's,

Tim - N8DEU
Huntsville, Alabama

----- Original Message -----
From: "Doug Bade" <doug@clecom.com>
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Sent: Sunday, June 16, 2002 8:42 AM
Subject: [aprssig] Trmble Svee-Six

> The Trimble Svee-Six CM3 CAN be NMEA but may not be.
>
> There were 3 different flash upgrade-able versions, TAIP, TSIP, and
> NMEA. I have flashed them to NMEA but they may not be. I do have a
Trimble
> Manual on the Svee-Six, if info is needed. It is paper (spiral bound about
> an inch and a half thick).
>
> I was involved in the Pic-E conversion process, although N8XOS Greg did
> most of the code work along with John W2FS's assistance on re-compiling...
>
> The GGA vs RMC info quoted was an issue as the NMEA sentences are only
> partially available... They are great units once you get them going. TAPR
> had an interface kit and may still, but a Max 232 based circuit is fairly
> simple... I built 6 stand alone trackers which we use for public service
> events, based on the Svee-Six. They glitched at Y2KRO but have been fine
since.
>
> I have a board interface,with radio and PIC-E layout based on a modem
> sized case BG MIcro used to and may still sell, which was done in Express
> PCB CAD form . I had them make some PC boards. Not real cheap but very
> professional. Some drilling of mounting and such needs to be done, but
> anyone interested contact me for info. The CAD program is free but you
must
> use there service with the CAD files it makes...
>
> Doug KB8GVQ
>

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586. [aprssig] N7AAC - Anyone know him???

From: "Spider" <spider@rivcom.net>
Date: Sun, 16 Jun 2002 07:41:02 -0700
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: <n7aac@arrl.org>
Message-ID: <LYR842-85270-2002.06.16-10.18.12--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Report of over 3000 packets since early this morning from this station.
RELAY, WIDE, WIDE3-3 in Phoenix????

```
!T 14:32:34 !N7AAC-7>3S2VWS,RELAY,WIDE,WIDE3-3:''@Vl!^k/]"9k}N7AAC@arrrl.org

!T 14:33:36 !N7AAC-7>3S2VWS,RELAY,WIDE,WIDE3-3:''@Vl!^k/]"9k}

!T 14:33:43
!N7AAC-7>APK101,KJ7KY,N7AAC-7*,WIDE3-1:@161433z3326.71N/11136.56Wk166/000/Mi
c-E/M5/Special>

!T 14:35:49 !N7AAC-7>3S2VWS,KJ7KY,KJ7KY-15*,WIDE3-2,WA6OFT,I:''@Vl!^k/]"9k}

!T 14:35:49
!N7AAC-7>APK101,KJ7KY,BLACK*,WIDE3-1:@161435z3326.71N/11136.56Wk166/000/Mic-
E/M5/Special>

!T 14:35:50
!N7AAC-7>APK101,KJ7KY,KJ7KY-15,WIDE3*:@160046z3326.71N/11136.56Wk166/000/Mic
-E/M5/Special>

!T 14:35:52
!N7AAC-7>APK101,KJ7KY,KJ7KY-15*,WIDE3:@161432z3326.71N/11136.56Wk166/000/Mic
-E/M5/Special>

!T 14:36:46 !N7AAC-7>3S2VWS,KJ7KY,KJ7KY-15*,WIDE3-2,WA6OFT,I:''@Vl!^k/]"9k}

!T 14:36:47
!N7AAC-7>APK101,KJ7KY,BLACK*,WIDE3-1:@161436z3326.71N/11136.56Wk166/000/Mic-
E/M5/Special>

!T 14:36:47
!N7AAC-7>APK101,KJ7KY,WHTNKS,WIDE3*:@160046z3326.71N/11136.56Wk166/000/Mic-E
/M5/Special>

!T 14:36:47
!N7AAC-7>APK101,KJ7KY,WHTNKS*,WIDE3:@161433z3326.71N/11136.56Wk166/000/Mic-E
/M5/Special>

!T 14:37:47 !N7AAC-7>3S2VWS,RELAY,WIDE,WIDE3-3:''@Vl!^k/]"9k}N7AAC@arrrl.org

!T 14:37:51
!N7AAC-7>APK101,KJ7KY,BLACK*,WIDE3-1:@161437z3326.71N/11136.56Wk166/000/Mic-
E/M5/Special>

!T 14:38:48 !N7AAC-7>3S2VWS,RELAY,WIDE,WIDE3-3:''@Vl!^k/]"9k}

!T 14:38:51
!N7AAC-7>APK101,KJ7KY,WHTNKS*,WIDE3-2:@161438z3326.71N/11136.56Wk166/000/Mic
-E/M5/Special>

!T 14:38:52
!N7AAC-7>APK101,KJ7KY,WA7RAT-12,WIDE3*:@160049z3326.71N/11136.56Wk166/000/Mi
c-E/M5/Special>
```

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---

587. [aprssig] New Findu home status?

From: k9soa@att.net
Date: Sun, 16 Jun 2002 15:07:22 +0000
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-85271-2002.06.16-10.44.26--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Where does the new home for findu stand. Haven't heard
anything about it since getting ready to purchase the
hardware.

--
Don

www.k9soa.net (EM77EW)

Home of "JEANNIE"

The House That Listens
Using HAL2000 by Home Automated Living
Seen on HGTV's Dream Builder show

Featured Home of the Month
Home Automation Magazine March 2002

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Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

588. [aprssig] Precision Mapping 5 Serial Number

From: "Mark L. Elliott" <marklelliott@insightbb.com>
Date: Sun, 16 Jun 2002 10:31:10 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-85275-2002.06.16-11.32.21--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Can anyone tell me where the "mystical" SERIAL NUMBER is to register PM5???????

It's not on the CD
It's not on the CD case
It's not in the "Help About" screen

Software like this really tics me off!!!!!

Thanks in advance!

Mark N9WST

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To unsubscribe send a blank email to leave-aprssig-842K@lists.tapr.org
Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

589. [aprssig] RE: Precision Mapping 5 Serial Number

From: Bill Diaz <william.diaz@attbi.com>
Date: Sun, 16 Jun 2002 11:11:13 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-85276-2002.06.16-11.48.26--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Mark,
You must register PMap via the web, or by phone in order to get a serial number. It is not included on the CD.

Bill KC9XG

On Sunday, June 16, 2002 10:31, Mark L. Elliott [SMTP:marklelliott@insightbb.com] wrote:
> Can anyone tell me where the "mystical" SERIAL NUMBER is to register PM5???????
>
> It's not on the CD
> It's not on the CD case
> It's not in the "Help About" screen

> Software like this really tics me off!!!!!

> Thanks in advance!
>
> Mark N9WST

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Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

590. [aprssig] Re: Precision Mapping 5 Serial Number

From: Robbie Robertson <mwrobertson@attbi.com>
Date: Sun, 16 Jun 2002 11:16:30 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: TAPR APRS Special Interest Group <aprssig@lists.tapr.org>
Message-ID: <LYR842-85277-2002.06.16-11.53.23--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

You need to either call them with your info, name email and so forth. Or
you register over the internet, and then you are issued the serial
number to fill in the space to complete the registration, fun huh?

Robbie, wa9inf

"Mark L. Elliott" wrote:
>
> Can anyone tell me where the "mystical" SERIAL NUMBER is to register PM5???????
>
> It's not on the CD
> It's not on the CD case
> It's not in the "Help About" screen
>
> Software like this really tics me off!!!!!
>
> Thanks in advance!
>
> Mark N9WST
>
> ---
> You are currently subscribed to aprssig as: mwrobertson@attbi.com
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---
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---

591. [aprssig] Re: Precision Mapping 5 Serial Number

From: David VanHorn <dvanhorn@cedar.net>
Date: Sun, 16 Jun 2002 11:24:56 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: TAPR APRS Special Interest Group <aprssig@lists.tapr.org>
Message-ID: <LYR842-85278-2002.06.16-12.02.51--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

At 11:16 AM 6/16/2002 -0500, Robbie Robertson wrote:
>You need to either call them with your info, name email and so forth. Or
>you register over the internet, and then you are issued the serial
>number to fill in the space to complete the registration, fun huh?

First buy the software, then ask permission to use it, and hope they don't
go belly up before the next time windows eats your machine, and you have to
re-install.

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Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

---

592. [aprssig] Re: Precision Mapping 5 Serial Number

From: Earl Needham <needhame@yucca.net>
Date: Sun, 16 Jun 2002 10:30:51 -0600
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-85280-2002.06.16-12.08.12--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

At 11:24 AM 6/16/2002 -0500, David VanHorn wrote:
>At 11:16 AM 6/16/2002 -0500, Robbie Robertson wrote:
>>You need to either call them with your info, name email and so forth. Or
>>you register over the internet, and then you are issued the serial
>>number to fill in the space to complete the registration, fun huh?
>
>First buy the software, then ask permission to use it, and hope they don't
>go belly up before the next time windows eats your machine, and you have
>to re-install.

I thought that was XP...

7 3
Earl

Earl Needham, KD5XB, Clovis, New Mexico DM84jk

KD5XB-2>APW251,PCSAT-1*:=3425.83N/10313.55W-PHG7150/WinAPRS 2.5.1
-EARL_CLOVIS -251-<630>
Did you get a letter from Nigeria offering a "deal"? See
http://home.rica.net/alphae/419coal/ and
http://www.crimes-of-persuasion.com/Crimes/Business/nigerian.htm

---
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Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

593. [aprssig] Re: Precision Mapping 5 Serial Number

From: David VanHorn <dvanhorn@cedar.net>
Date: Sun, 16 Jun 2002 11:41:10 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-85281-2002.06.16-12.17.38--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

At 10:30 AM 6/16/2002 -0600, Earl Needham wrote:
>At 11:24 AM 6/16/2002 -0500, David VanHorn wrote:
>>At 11:16 AM 6/16/2002 -0500, Robbie Robertson wrote:
>>>You need to either call them with your info, name email and so forth. Or
>>>you register over the internet, and then you are issued the serial
>>>number to fill in the space to complete the registration, fun huh?
>>
>>First buy the software, then ask permission to use it, and hope they
>>don't go belly up before the next time windows eats your machine, and you
>>have to re-install.
>
>   I thought that was XP...

Actually, I've been running XP pro since january, and it's been pretty good.
I can force it to crash by overclocking, but that's hardly fair play.
When not stressed beyond spec, it's pretty darned stable.
Though not as good as my RH6.2 box which went 18 months through all kinds
of install, rip out, re-install torture.

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594. [aprssig] RE: Precision Mapping 5 Serial Number

From: "Mark L. Elliott" <marklelliott@insightbb.com>
Date: Sun, 16 Jun 2002 13:37:17 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-85300-2002.06.16-14.40.02--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

First....thanks to all that responded...

ok....traveler gives me a product code needed for Traveler but that doesn't
seem to work for PM Streets.

Are they different and if so where do you get the Product id for
Streets?   Boy, aint this fun!!!!!

Mark N9WST

At 11:11 AM 6/16/02 -0500, Bill Diaz wrote:
>Mark,
>   You must register PMap via the web, or by phone in order to get a
> serial number. It is not included on the CD.
>
>Bill KC9XG
>
>On Sunday, June 16, 2002 10:31, Mark L. Elliott
>[SMTP:marklelliott@insightbb.com] wrote:
> > Can anyone tell me where the "mystical" SERIAL NUMBER is to register
> PM5???????
> >
> > It's not on the CD
> > It's not on the CD case
> > It's not in the "Help About" screen
>
> > Software like this really tics me off!!!!!

```
>
> > Thanks in advance!
> >
> > Mark N9WST
>
>
>
>---
>You are currently subscribed to aprssig as: marklelliott@insightbb.com
>To unsubscribe send a blank email to leave-aprssig-842K@lists.tapr.org
>Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org



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Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org
```

---

595. [aprssig] Re: Precision Mapping 5 Serial Number

From: k9soa@att.net
Date: Sun, 16 Jun 2002 19:09:44 +0000
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-85301-2002.06.16-14.46.52--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

```
Probably going to see alot more of that type of
registering that is based on what hardware is
installed.  Then it won't work if you change machines
or major hardware changes.

NOT GOING TO BE FUN.............


--
Don

www.k9soa.net  (EM77EW)

Home of "JEANNIE"
The House That Listens
Using HAL2000 by Home Automated
Living
Seen on HGTV's Dream Builder show

Featured Home of the Month
Home Automation Magazine March 2002

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```

---

596. [aprssig] RE: Precision Mapping 5 Serial Number

From: Bill Diaz <william.diaz@attbi.com>
Date: Sun, 16 Jun 2002 14:29:13 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-85303-2002.06.16-15.06.30--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

```
Mark,
  I think that the product codes are the same for both.  Should begin with 1035

Bill KC9XG

On Sunday, June 16, 2002 13:37, Mark L. Elliott [SMTP:marklelliott@insightbb.com] wrote:
> First....thanks to all that responded...
>
> ok....traveler gives me a product code needed for Traveler but that doesn't
> seem to work for PM Streets.
>
> Are they different and if so where do you get the Product id for
> Streets?   Boy, aint this fun!!!!!
>
> Mark N9WST
>
>
> At 11:11 AM 6/16/02 -0500, Bill Diaz wrote:
```

```
> >Mark,
> >   You must register PMap via the web, or by phone in order to get a
> > serial number. It is not included on the CD.
> >
> >Bill KC9XG
> >
> >On Sunday, June 16, 2002 10:31, Mark L. Elliott
> >[SMTP:marklelliott@insightbb.com] wrote:
> > > Can anyone tell me where the "mystical" SERIAL NUMBER is to register
> > PM5???????
> > > >
> > > It's not on the CD
> > > It's not on the CD case
> > > It's not in the "Help About" screen
> >
> > > Software like this really tics me off!!!!!
> >
> > > Thanks in advance!
> > > >
> > > Mark N9WST
> >
> >
> >
> >---
> >You are currently subscribed to aprssig as: marklelliott@insightbb.com
> >To unsubscribe send a blank email to leave-aprssig-842K@lists.tapr.org
> >Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org
>

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```

597. [aprssig] RE: Precision Mapping 5 Serial Number

From: Skip Allison <sallison@megsinet.net>
Date: Sun, 16 Jun 2002 15:26:56 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-85307-2002.06.16-16.04.03--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

```
"Mark L. Elliott" wrote:
>
> First....thanks to all that responded...
>
> ok....traveler gives me a product code needed for Traveler but that doesn't
> seem to work for PM Streets.
>
> Are they different and if so where do you get the Product id for
> Streets?   Boy, aint this fun!!!!!
>
> Mark N9WST

I never did figure out how to get the serial number for Streets, but it
seems to work OK without registering.  I registered Traveler.  Maybe
that's all you need to do.  Streets didn't accept the same number as
Traveler.

Skip
K9SA

---
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```

598. [aprssig] PMap registration.

From: Bill Diaz <william.diaz@attbi.com>
Date: Sun, 16 Jun 2002 15:42:09 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-85311-2002.06.16-16.19.33--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

```
If you are encountering difficulty registering PMap, try the following.

The file Traveler.exe should be in your PMap50 directory if you did the
full install.

Run Traveler.exe.
```

If you are not registered, a "Register Today" screen will appear. Press the "Register over the Internet" button. A second screen will appear that states "Your product code is 1035-xxxx". Write down this number.

Now, you should goto http://www.registermyapp.com Click the link that says "Register My New Software Now". A new page will appear and ask for you to "Enter your unique product code below". After entering the product code written down earlier, press the "Register me" button.

Bill KC9XG

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Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

---

599. [aprssig] RE: Precision Mapping 5 Serial Number

From: Bill Diaz <william.diaz@attbi.com>
Date: Sun, 16 Jun 2002 15:59:00 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-85315-2002.06.16-16.36.18--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Mark,

My traveler gives me a different product code. 1035.xxxx Each user MUST use the product code that appears on HIS computer.

The GEKFF is your unique S/N I think. IOW, your product code and serial number may not work with someone elses CD.

I think once you register Traveler, this also registers PMap streets.

Bill KC9XG

On Sunday, June 16, 2002 15:01, Mark L. Elliott [SMTP:marklelliott@insightbb.com] wrote:
> Traveler gave me a Product Code of 1035-5470 and the web site returned a
> S/N of GEKFF
> but when I try to register the "Streets" with the register drop-down under
> the Help menu,
> it will not accept the GEKFF.
>
> Mark N9WST

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---

600. [aprssig] findU trouble

From: Steve Dimse <k4hg@tapr.org>
Date: Sun, 16 Jun 2002 21:01:07 -0400
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-85333-2002.06.16-20.38.10--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

the power went out for 4 hours today, exceeding the run time of the UPS. As a result the database files have been corrupted. I am in the process of repairing them now, but it will take a few hours.

For now the www.findu.com domain is referring to the backup server in the Keys, but it is a slower machine and the DSL line is not too reliable. Also the timeout for www.findu.com had been set quite long, so it may be a while until your DNS cache updates. In the meantime, it is possible to use it directly as www3.findu.com.

I think all functions are operational on the backup server except for email reception of reports. Problem reports appreciated...

Steve K4HG

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601. [aprssig] Re: findU trouble

From: "Jason Rausch" <ke4nyv@msn.com>
Date: Sun, 16 Jun 2002 22:24:30
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-85344-2002.06.16-23.01.31--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Steve, here at 2320 EST, I can't get any links to come up, even if I change the sub-domain to www3. I take it that's from the DNS update delay.

73's
Jason KE4NYV
www.ke4nyv.com

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602. [aprssig] Re: N7AAC - Anyone know him???

From: "Jason Rausch" <ke4nyv@msn.com>
Date: Sun, 16 Jun 2002 22:27:7
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-85345-2002.06.16-23.04.08--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

I would suggest emailing him at n7aac@arrl.net, that was right in one of his packets.

73's
Jason KE4NYV
www.ke4nyv.com

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603. [aprssig] Re: Alinco DR135TP

From: "Tim Cunningham" <tim_cunningham@mindspring.com>
Date: Mon, 17 Jun 2002 09:20:54 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-85404-2002.06.17-10.22.47--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Jim,

Dieter, KX4Y, updated me on his problem. When he first called Alinco they said they were aware of the problem with the TNC losing its configuration and that was pretty much the way it was. There was no offer to fix his problem. Since my initial posting on the problem, Dieter went to Dayton and received a completely different response at the Alinco booth. They sent him a new TNC to replace the one in his DR135TP to see if it solves the problem.

This past week Dieter told me that it appeared to be working much better and did not seem to lose its memory. However, he did note that he had not really tested it very well or for very long since he was discouraged with Alinco's initial response. He replaced the radio with a Kenwood TMD-700. Hopefully, his problem is solved with the replacement TNC that Alinco sent to him, but he needs to do a little more testing to verify it has been resolved.

Tim - N8DEU
Huntsville, Alabama

----- Original Message -----
From: <W9NJE@aol.com>
To: <tim_cunningham@mindspring.com>; <aprssig@lists.tapr.org>
Sent: Saturday, June 15, 2002 11:23 PM
Subject: Re: [aprssig] Alinco DR135TP

> In a message dated 5/27/2002 09:40:07 US Eastern Standard Time,
> tim_cunningham@mindspring.com writes:
>
>
> > Dieter, KX4Y, called Alinco about the problem and got nothing more than that
> > is the way it is and the TNC manufacturer is working on the problem that
> > should be fixed in the next model. I suggested he send his radio back to
> > where
> > he purchased it and find another product to use if Alinco is making it his
> > problem.
>
> I got the same treatment from ALINCO about a switch on the back of the 2
> DR570's I have. I've purchased. At least 4 multiband transceivers since
> then; NONE of them are ALINCO'S.
>
> Jim. w9nje@aol.com
>
> The truth is out there.(X-FILES)
>

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604. [aprssig] find u multiple call query

From: wes@johnston.net
Date: Mon, 17 Jun 2002 08:16:48 -0700 (PDT)
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-85405-2002.06.17-10.53.54--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

I just pulled a multi call query

http://www.findu.com/cgi-bin/find.cgi?call=kd4rdb-14!Wes'%20Van,kd4rdb-12!Steph's%20Car

and it reported "sorry, call not found" because kd4rdb-12 had no report cached in findu at that time. It occurred to me that with a lanudry list of callsigns listed, if one failed, the whole query would fail. Wouldn't it be better to have findu display the calls it could find and let me the user figure out which ones were missing?

Wes

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Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

605. [aprssig] New Alaska Digi

From: Linda Mullen <ad4bl@mosquitonet.com>
Date: Mon, 17 Jun 2002 08:31:28 -0800
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-85411-2002.06.17-12.12.36--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

We have a new digi up at Healy on the Parks Hwy.   It is at nearly 3000ft putting out 50w.
The callsign is KL1SF-3. I am copying it here in Fairbanks.   We should have coverage from Denali or futher south thru the Fairbanks area when you travel from Anchorage to Fairbanks via the Parks Highway.   That is a beautiful drive that takes you right past the Park with awesome views of the mountain when the weather cooperates.
For those of you who might be driving that route, stop at the South Viewpoint for the best views.

There is a possibility that the new digi will be tied into the internet.

```
--
Linda  <><

Linda  AD4BL
ALASKA SEC STM
ad4bl@mosquitonet.com
Fairbanks, Alaska
He came to pay a debt He didn't owe,
because we owed a debt we couldn't pay!





---
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```

606. [aprssig] quick question message porting

From: N4QWF@aol.com
Date: Mon, 17 Jun 2002 13:52:23 EDT
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-85420-2002.06.17-13.29.40--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

```
Are messages sent on VHF local ported out to HF via Gateway. I know we don't
gate VHF positions to HF but what about messages?

---
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Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org
```

607. [aprssig] Re: quick question message porting

From: "Eric Christensen, KF4OTN" <kf4otn@cox.net>
Date: Mon, 17 Jun 2002 14:24:06 -0400
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-85422-2002.06.17-14.01.23--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

```
If memory serves me correct...

If the Gateway station has heard the station on HF that you are
sending a message to from VHF or IS, then the gateway station will
send that message to the HF port and to that station.  I do it all
the time with N5NGN in Georgia.

Eric KF4OTN


----- Original Message -----
From: <N4QWF@aol.com>
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Sent: Monday, June 17, 2002 13:52
Subject: [aprssig] quick question message porting


Are messages sent on VHF local ported out to HF via Gateway. I know
we don't
gate VHF positions to HF but what about messages?

---
You are currently subscribed to aprssig as: kf4otn@cox.net
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leave-aprssig-842K@lists.tapr.org
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wa1lou@tapr.org





---
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To unsubscribe send a blank email to leave-aprssig-842K@lists.tapr.org
Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org
```

608. [aprssig] GPS power on.

From: wes@johnston.net
Date: Mon, 17 Jun 2002 11:49:22 -0700 (PDT)
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-85424-2002.06.17-14.26.32--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

```
While playing with my gps 162 the other day, I was able to make the GPS turn on
by hooking up the data out pin.  The GPS was in garmin host mode (I had just
done a firmware upgrade to it) and was off.  It did have 12v hooked up.  I was
holding a circuit board which I was plugging the DATA OUT wire into a screw
lug.  I am unsure if the 60hz hum induced in my fingers on the metal screw
driver tip did it or what.  It was repeatable up until the time I changed the
mode of the serial port from garmin host to NMEA.

Has anyone been able to do this with other GPS units?  Is this just a garmin
host mode function or could we command a GPS on and off via the serial port?
It would be nice to power down a GPS to save power, then bring it back alive if
a car started to move.

Wes

---
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```

609. [aprssig] any PDA users out there?

From: "Bob K8YS & Janet N8LBR" <jbcraft@adelphia.net>
Date: Mon, 17 Jun 2002 15:03:59 -0400
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-85426-2002.06.17-14.43.31--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

```
I am finding that I need a PDA... word docs, excel docs, calendars etc...
and since this device must serve the greater purpose, that being Ham Radio,
I am seeking advise;
Which PDA gives the biggest bang for the buck, and will do APRS or PSK31 (I
guess that PSK31 might be a bit taxing on the PDA's tiny brain).

73
Bob K8YS


---
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```

610. [aprssig] Re: Smart Beacon changes...

From: "Curt Mills, WE7U" <hacker@tc.fluke.com>
Date: Mon, 17 Jun 2002 16:14:54 -0700 (PDT)
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: TAPR APRS Special Interest Group <aprssig@lists.tapr.org>
Message-ID: <LYR842-85456-2002.06.17-18.52.01--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

```
On Wed, 12 Jun 2002, Wes Johnston wrote:

> Smart Beacon already does:
> Beacon when you turn a corner
> Beacon at fixed distance intervals
> Reduce beacon rate when you are stopped
>
> With these changes Smart Beacon will:
> Beacon when you come to a stop
> Beacon when you begin moving again if you have stopped more than a few
> seconds.

It'll also beacon rather a lot if you're traveling at/near the
low_speed value.  You need some hysteresis there.  Think of perhaps
a bicycle or a hiker traveling near 2 or 3 mph, with low_speed set
to 3 mph.


>  if speed < low_speed then
> ' ***********************************************************
>   if beacon_secs <> beacon_stop *60 then
>     secs_since_beacon=32766
>   end if
> ' **************************************************************
>   beacon_secs = beacon_stop * 60
>  else
> ' **************************************************************
>   if secs_since_beacon > turn_time and beacon_secs = beacon_stop *60 then
>     secs_since_beacon=32766
>   end if
> ' **************************************************************
>   if speed > high_speed then
>    beacon_secs = beacon_fast
>   else
>    beacon_secs = beacon_fast * high_speed / speed
>   endif
>
>   turn_threshold = (turn_min + turn_slope) / speed
>   dif = abs(old_heading - heading)
>   if dif > 180 then
>    dif=360-dif
>   endif
>   if dif > turn_threshold and secs_since_beacon > turn_time then
>    secs_since_beacon = 32766
>   endif
>  endif
```

Comparing the above to the HamHud sources shows that you're not computing turn_threshold the same way they are: HamHud sets turn_threshold = turn_min in the "else" clause, then if you're in the mid-speed range it adds a bit to it based on speed. Depending on what you have turn_slope set to, your version may work very differently from the HamHud version for corner-pegging.

I added SmartBeaconing to Xastir over the last few days. That made me look at your code and the HamHud code closely. I'd like to try your mods with a bit of hysteresis added as I think they'd be worthwhile.

Another possible mod:

```
// EXPERIMENTAL
/////////////////////////////////////////////////////////////////////
        // If we haven't beaconed for a bit (3 * sb_turn_time?), and
        // just completed a turn, check to see if our heading has
        // stabilized yet.  If so, beacon the latest heading.  We'll
        // have to save another variable which says whether the last
        // beacon was caused by corner-pegging.  The net effect is
        // that we'll get an extra posit coming out of a turn that
        // specifies our correct course and probably a more accurate
        // speed until the next posit.  This should make
        // dead-reckoning work even better.
```

I also computed the turn_threshold values that were used for different speeds in the HamHud. These values get much too big at low speeds, so I threw in an upper limit for turn_threshold of 80 degrees in my code. Perhaps 45 degrees might make more sense as an upper limit. I know that a computed threshold of 145 degrees doesn't make sense (to me).

I'm also thinking about making the turn_threshold more linear than HamHud, letting the user set a low and high value for turn_threshold and for speed. turn_threshold would then be computed by:

```
    deg_per_mile = (high_turn - low_turn) / (high_speed - low_speed);
    speed_increment = high_speed - current_speed;
    turn_threshold = low_turn + (deg_per_mile * speed_increment);
```

Example:

```
  high_turn = 45
  low_turn = 20
  high_speed = 60 mph
  low_speed = 2 mph
  current_speed = 42

  deg_per_mile = (45 - 20) / (60 - 2) = 0.431
  speed_increment = 60 - 42 = 18
  turn_threshold = 20 + (0.431 * 18) = ~28 degrees
```

```
At high_speed the turn_threshold would be low_turn or 20 degrees.
At low_speed the turn_threshold would be high_turn or 45 degrees.

Above high_speed we would use the low_turn figure just like HamHud.
Below low_speed we wouldn't do corner-pegging at all, again just
like HamHud.

Thoughts on any of this appreciated.

Curt Mills, WE7U                         hacker.NO_*SPAM@tc.fluke.com
Senior Methods Engineer/SysAdmin
"Lotto:    A tax on people who are bad at math." -- unknown
"Windows:  Microsoft's tax on computer illiterates." -- WE7U



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611. [aprssig] Re: any PDA users out there?

From: "Jason Rausch" <ke4nyv@msn.com>
Date: Mon, 17 Jun 2002 21:59:52
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-85515-2002.06.17-22.36.56--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

```
A Handspring Prism is what I use.  It runs Palm OS and also runs PocketAPRS
VERY well.  The other kick is the spring board expansion slot.  There is
now a TNC made by ShineMicro that is specifically supported by PocketAPRS.
The serial port is actually TTL for USB hotsyncing, but this can be
overcame easily with a simple converting cable.  I designed one using a
Maxim MAX-203 chip and it works great.  Take a look on my site at
http://www.ke4nyv.com.  Some don't like these, but I love mine.  I have two
Handsprings and both are great.  The Prism also has a color screen, so it
makes APRS much more easier to deal with (with smaller icons and such).
73's
Jason KE4NYV
www.ke4nyv.com

---
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```

612. [aprssig] KENWOOD 2000

From: "Olen Persons" <w4ezr@aol.com>
Date: Tue, 18 Jun 2002 0:19:7
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-85545-2002.06.18-00.56.20--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

```
Need help ...cant get Kenwood 2000 to transmit on APRS DOS.  Receives fine
but wont transmit. Computer is Toshiba laptop. Have set all parameters
accd. to 2000 manual. Any thoughts appreciated.
Olen
w4ezr@aol.com

---
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```

613. [aprssig] Re: any PDA users out there?

From: David VanHorn <dvanhorn@cedar.net>
Date: Tue, 18 Jun 2002 00:33:15 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-85551-2002.06.18-01.10.27--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

```
>
>The serial port is actually TTL for USB hotsyncing, but this can be
>overcame easily with a simple converting cable.

The handspring needs this. The palm units (IIIc etc) do not.

I use the IIIc because of the color. Memory is a bit marginal, a 16M unit
would be more comfortable.
```

```
As far as PSK, not without external hardware.
You'll need something like a pocket pc to go there, and only if it's sound
is sufficiently windows or soundblaster like to work.  Much more $ too.



---
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```

614. [aprssig] Re: any PDA users out there?

From: WA8LMF2@aol.com
Date: Tue, 18 Jun 2002 04:36:30 EDT
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: dvanhorn@cedar.net
Message-ID: <LYR842-85575-2002.06.18-04.13.42--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

```
In a message dated 6/17/02 10:34:55 PM Pacific Daylight Time,
dvanhorn@cedar.net writes:

> You'll need something like a pocket pc to go there, and only if it's sound
>  is sufficiently windows or soundblaster like to work.  Much more $ too.

Pocket PCs (HP Jornada, Compaq Ipaq, etc)  run a system (Windows CE - Compact
Edition) that LOOKS more or less like Windows but the processors are
completely different.  The hardware architecture is completely different from
standard Intel/AMD PCs.   In fact TWO different CPU families that require
different versions of programs are in use; neither of which will run standard
Windows apps.

Even standard PC file formats such as Word .DOC, audio .WAV etc aren't the
same! They have to be converted on the fly as the syncing utilities move
these files to/from the Pocket PC.  Any sound card-type app would have to be
written from the ground up from scratch for the pocket PC.  Not to mention
that there doesn't seem to be any kind of external audio INPUT on the Pocket
PCs I have played with.  (They do have a built-in mic for recording voice
memos to RAM).   They play back WAV or MP3 files to stereo headsets which
would indicate some sort of  soundcard-like A--D/D-->A converter is in the
units

I have run APRS/CE on my HP Jornada 520 (A color Pocket PC) connected to a
Kenwood TH-D7 quite nicely but that was going into the serial port -- not the
sound card.

Stephen H. Smith                   wa8lmf @ aol.com
Home Page:
http://members.aol.com/wa8lmf
Ham Radio/Mobile SSTV page:     http://members.aol.com/wa8lmf/ham
APRS Stuff
http://members.aol.com/wa8lmf/aprs
------------------------------------------------------------------------------

----------
|    Radio Communications Systems       Personal Computers
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```

615. [aprssig] Re: KENWOOD 2000

From: "W5JSR" <w5jsr@arrl.net>
Date: Tue, 18 Jun 2002 06:48:30 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-85589-2002.06.18-07.25.55--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

```
Do you have Menu 55 ON?

----- Original Message -----
From: "Olen Persons" <w4ezr@aol.com>
```

To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Sent: Tuesday, June 18, 2002 12:00 AM
Subject: [aprssig] KENWOOD 2000

> Need help ...cant get Kenwood 2000 to transmit on APRS DOS. Receives fine
> but wont transmit. Computer is Toshiba laptop. Have set all parameters
> accd. to 2000 manual. Any thoughts appreciated.
> Olen
> w4ezr@aol.com
>
> ---
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> Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org
>
>

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---

616. [aprssig] APRS Messaging Question

From: "J.Duffy Beischel" <wb8nut@arrl.net>
Date: Tue, 18 Jun 2002 8:7:40
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-85591-2002.06.18-08.44.47--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

I'm in Cincinnati and have my station set up to gate local traffic to the internet. I have a friend in St. Louis that I just got onto APRS but he is not connected to the internet all the time. I would like to be able to send him messages via APRS by having my station send the message to a gate in St. Louis, then have the St. Louis Gate RF it to his station. Then he in return would like to send me a message via the reverse path. In other words he wants to reply via the gate in St. Louis and have it send the message to me via the internet. I have tried different methods and paths but cannot seem to get it to work. Is it possible? How do I do it if it is possible? I have UI-View and the St. Louis friend has WinAPRS 2.5.1.

Thanks,

Duffy
www.wb8nut.com
wb8nut@arrl.net

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---

617. [aprssig] Bulletins

From: "Ronald Reams" <wa4mjf@worldnet.att.net>
Date: Tue, 18 Jun 2002 09:30:45 -0400
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-85595-2002.06.18-09.07.54--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Do any other areas have the problam of hams sendin'
bulletins over and over and over and over..... to the point you
wanna reach through the CRT and strangle them?

A bulletin only needs to be sent once or twice (maybe).

Sendin' it multiple times is a waste and tees others off, you have to get up
and
do an ALT E everytime the screen refreshes.

Let's promote send it once and KILL IT!

73 de Ronnie

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Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

618. [aprssig] Re: Bulletins

From: "Ronald Reams" <wa4mjf@worldnet.att.net>
Date: Tue, 18 Jun 2002 09:45:50 -0400
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: "APRS Sig" <aprssig@lists.tapr.org>
Message-ID: <LYR842-85600-2002.06.18-09.22.57--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

I don't look to see where they're from, Eric. I just read'um the first time
and if they're of interest make a note of 'um.

After that the PO factor rises.

73 de Ronnie

----- Original Message -----
From: "Eric Christensen, KF4OTN" <kf4otn@cox.net>
To: "Ronald Reams" <wa4mjf@worldnet.att.net>
Sent: Tuesday, June 18, 2002 09:38
Subject: Re: [aprssig] Bulletins

Are you talking about the guy in SE Virginia??? The one that sends
out eight bulls that I get when I step out to the Jeep???

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619. [aprssig] Re: APRS Messaging Question

From: "Dick Stanich" <dick@kb7zva.com>
Date: Tue, 18 Jun 2002 8:56:10
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-85602-2002.06.18-09.33.18--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

On 06/18/02, ""J.Duffy Beischel" <wb8nut@arrl.net>" wrote:
In other words he wants to reply via the gate in St. Louis and have it send
the
message to me via the internet. I have tried different methods and paths
but cannot seem to get it to work. Is it possible? How do I do it if it
is possible? I have UI-View and the St. Louis friend has WinAPRS 2.5.1.
***

If your friend is being read as 'local' to the IGate in St. Louis, any
messages directed at him should fly. The St. Louis Igate needs to know he
is there. That happens when a valid position report is sent by your friend,
otherwise St. Louis has no idea he exsists. Once Igates 'learn' who are
local RF to them, they generally will gate messages. Since the messages are
being gated over the internet, you both need to make sure they are getting
to the internet, and not just RF. One of the keys for an Igate to process
the gating of messages, are valid position reports.

There are many ways to determine if a station is being heard on the
internet. The easiest is findu.com. That's the simple test <g>. From there,
is St. Louis set up to rebroadcast to its locals via RF? It takes time for
an RF station to become known to an Igate. Especially if the target station
is sending position reports every 30 mins. <g>. In WinAPRS you can force a
position report to RF and TCPIP by hitting the F2 key. Good Luck.

Dick, KB7ZVA
APRSWest
http://kb7zva.com

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620. [aprssig] Re: Bulletins

From: "Ronald Reams" <wa4mjf@worldnet.att.net>
Date: Tue, 18 Jun 2002 10:00:35 -0400
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-85603-2002.06.18-09.37.42--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Yep, Eric, he is in the Old Dominion.

I noted he wanted suggestions and gave an EMail
addy.

So I told him to kill it....

We'll see if that has the desired effect....

73 de Ronnie

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Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

621. [aprssig] Re: any PDA users out there?

From: Dick Reichenbach <dreichen@columbus.rr.com>
Date: Tue, 18 Jun 2002 10:53:02 -0400
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-85608-2002.06.18-10.28.47--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

WA8LMF2@aol.com wrote:

> In a message dated 6/17/02 10:34:55 PM Pacific Daylight Time,
> dvanhorn@cedar.net writes:
>
> > You'll need something like a pocket pc to go there, and only if it's sound
> > is sufficiently windows or soundblaster like to work. Much more $ too.
>

Wait a minute... I'm having trouble seeing for all the flashlight bulbs
going off
in my head.

Clearly the Visor with the new Shine Micro TNC/soundcard is a powerful
enough
soundcard to run a full fledged TNC, so why not write a program for it
so that it
could run PSK-31 as well.

Dick Reichenbach - KC8OBZ

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Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

622. [aprssig] Re: any PDA users out there?

From: WA8LMF2@aol.com
Date: Tue, 18 Jun 2002 12:25:04 EDT
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-85618-2002.06.18-12.02.15--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

In a message dated 6/18/2002 7:53:43 AM Pacific Daylight Time,
dreichen@columbus.rr.com writes:

> so why not write a program for it
> so that it
> could run PSK-31 as well.
>

Probably because the market for it would be so miniscule...... Aside from the "coolness factor" of being able to do it at all, I don't think it would be terribly practical.

1) APRS/packet is run on VHF with handheld portable radios.. For the most part PSK31 is an HF mode. What point would there be in having a miniaturized terminal when you are going to connect to full-sized radios and relatively large antennas.

2) Overwhelmingly, APRS is a broadcast-like RECEIVING activity -- you watch various kinds of data come in and be displayed. The amount of time spent composing and sending information is very small. By contrast, PSK31 is a much more interactive mode that requires the user to constantly originate volumes of text.

I don't think many people are going to want to carry on extended QSOs pecking on the hideously-undersized almost-unusable keyboards and displays of PDAs.
My feeling is that this falls into the same
technically-feasable-but-why-bother category as web surfing on cell phones.

```
Stephen H. Smith                   wa8lmf @ aol.com
Home Page:                         http://members.aol.com/wa8lmf
Ham Radio/Mobile SSTV page:        http://members.aol.com/wa8lmf/ham
APRS Stuff                         http://members.aol.com/wa8lmf/aprs
---------------------------------------------------------------------
|    Radio Communications Systems       Personal Computers
|                Consulting and Systems Integration
|    GPS Custom Mapping    &     Radio Coverage Surveys
|    File Conversions       MS-Windows Setups       VISCII Fonts
---------------------------------------------------------------------
```

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Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

623. [aprssig] Re: any PDA users out there?

From: "Bob K8YS & Janet N8LBR" <jbcraft@adelphia.net>
Date: Tue, 18 Jun 2002 13:14:54 -0400
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-85619-2002.06.18-12.55.34--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

WA8LMF sez;
1) APRS/packet is run on VHF with handheld portable radios.. For the most part PSK31 is an HF mode. What point would there be in having a miniaturized
terminal when you are going to connect to full-sized radios and relatively large antennas

Not exactly! I half hope that there is a PDA that WILL run PSK31 or someother digital mode. My "portable" station is a ft-817 that is carried inside a WorldPack II, attached to a GI surplus ALICE frame, with a west coast style mirror mount on the frame, and a GI surplus AS1887 whip antenna. My HF station is 100% portable and operable while moving... I did have problems at the Hamvention, I had to lower the antenna while inside the building... every room was too low, except for the main arena.

Right now, my laptop is bigger then my HF station.

73
Bob

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Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

624. [aprssig] Re: any PDA users out there?

From: "Chuck Fullgraf" <cfullgraf@sprynet.com>
Date: Tue, 18 Jun 2002 14:20:30 -0400
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-85626-2002.06.18-13.58.37--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

----- Original Message -----
From: <WA8LMF2@aol.com>

To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Sent: Tuesday, June 18, 2002 12:25 PM
Subject: [aprssig] Re: any PDA users out there?

> > so why not write a program for it
> > so that it
> > could run PSK-31 as well.
> >
>
> Probably because the market for it would be so miniscule......   Aside
from
> the "coolness factor" of being able to do it at all, I don't think it
would
> be terribly practical.
>
> 1) APRS/packet is run on VHF with handheld portable radios..   For the
most
> part PSK31 is an HF mode. What point would there be in having a
miniaturized
> terminal when you are going to connect to full-sized radios and relatively
> large antennas.
>

With the low power required for PSK31, the current crop of small radios, such as the FT-817, are naturals. It would be way cool not require a "Mack truck" to lug the HF digital station around, the computer being a substantial component. (The same could be said for conventional mobile APRS!)

One potential advantage to the Shine Micro TNC is that it keeps the serial port free on the PDA. I assume (and you know what they say about assume and I speak from a position of no knowledge) that an external keyboard will still work with the TNC activated.

I'd be a customer

Chuck, KE4OAR

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625. [aprssig] Re: any PDA users out there?

From: "Jason Rausch" <ke4nyv@msn.com>
Date: Tue, 18 Jun 2002 16:32:27
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-85632-2002.06.18-17.09.34--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

What is nice with the Shine TNC, now you can use the springboard to take care of that and still have a port open for GPS data, or perhaps a fold-out keyboard. Also, thankx to Dave V. for clearing up the difference between the Visor and Palm units. I have 2 Visors and a Palm IIIe. I use BOTH for packet and APRS. I have yet to play with PSK 31 on a palm. If you go to www.shinemicro.com you can see the lastest programs that have been written to support the new TNC. Mike Musick also released the new version of PAPRS at Dayton that supports the TNC as well. Really a great way to do things. I personally think the Prism has a much nicer screen than the IIIc (Palm color).

Just my personal opinion,
Jason KE4NYV
www.ke4nyv.com

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626. [aprssig] Re: N7AAC - Anyone know him???

From: "Dick Stanich" <dick@kb7zva.com>
Date: Tue, 18 Jun 2002 18:24:18
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-85641-2002.06.18-19.01.25--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

```
On 06/16/02, ""Spider" <spider@rivcom.net>" wrote:
> Report of over 3000 packets since early this morning from this station.
> RELAY, WIDE, WIDE3-3 in Phoenix????

Before we fly off the handle and think that N7AAC-7 was doing something
wrong. Could it be possible that an mis-configured IGate was stuck in a
loop?

!T 14:35:49
!N7AAC-7>3S2VWS,KJ7KY,KJ7KY-15*,WIDE3-2,WA6OFT,I:''@Vl!^k/]"9k}

!T 14:36:46
!N7AAC-7>3S2VWS,KJ7KY,KJ7KY-15*,WIDE3-2,WA6OFT,I:''@Vl!^k/]"9k}

The looping occured over 150 miles away from his location in Phoenix.

Dick, KB7ZVA





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```

---

627. [aprssig] Re: N7AAC - Anyone know him???

From: "Spider" <spider@rivcom.net>
Date: Tue, 18 Jun 2002 18:50:25 -0700
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-85670-2002.06.18-21.28.10--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

```
----- Original Message -----
From: "Dick Stanich" <dick@kb7zva.com>
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Sent: Tuesday, June 18, 2002 6:24 PM
Subject: [aprssig] Re: N7AAC - Anyone know him???


> On 06/16/02, ""Spider" <spider@rivcom.net>" wrote:
> > Report of over 3000 packets since early this morning from this station.
> > RELAY, WIDE, WIDE3-3 in Phoenix????
>
> Before we fly off the handle and think that N7AAC-7 was doing something
> wrong. Could it be possible that an mis-configured IGate was stuck in a
> loop?

Naw!  Well maybe...but not 150 miles!  He was heard direct RF in Phoenix.
Two or three blocks away!  And, no one accused him of doing anything wrong
in the original post or flying off the handle. However, the packet below is
from your Igate where this packet entered the IS, if I am not mistaken, as
you are the first Igate that sees Black.  Only one showing up in your neck
of the woods that morning.  My Igate would not convert the Mic-E packet and
would append my call on the end as they entered the IS...re: the packets I
posted originally from my log later in the morning.  In any case, seperate
issue but an interesting one at that!
N7AAC was found and contacted.  Thank you anyway!

 !N7AAC-7>APK101,KJ7KY,BLACK*,WIDE3-1:@161435z3326.71N/11136.56Wk16
> 6/000/Mic-E/M5/Special>

I think the following came from a Las Vegas Igate...
!T 14:38:52
!N7AAC-7>APK101,KJ7KY,WA7RAT-12,WIDE3*:@160049z3326.71N/11136.56Wk166/000/Mi
c-E/M5/Special>

And this one is really interesting!  Possibly what you are talking about!
That looks like some sort of loop, not sure.
!T 14:33:43
!N7AAC-7>APK101,KJ7KY,N7AAC-7*,WIDE3-1:@161433z3326.71N/11136.56Wk166/000/Mi
c-E/M5/Special>
```

I am pretty sure these are all WinAPRS Igates!

It is interesting to study the logs with another point of view. Appears KJ7KY is the key to figuring the what happen to the network as a whole! Am I reading this right? KJ7KY talks to Rat-12 direct??? Or direct to Black????

This packet...!T 14:33:36 !N7AAC-7>3S2VWS,RELAY,WIDE,WIDE3-3:''@Vl!^k/]"9k} appears to be original. No where in my log after this packet did I send this packet to the IS. I am pretty sure this packet was picked up by an igate 2 or 3 blocks away from Clark. However, I did send this one quite a few seconds (actually minutes) afterwards...

```
!T 14:35:49 !N7AAC-7>3S2VWS,KJ7KY,KJ7KY-15*,WIDE3-2,WA6OFT,I:''@Vl!^k/]"9k}
```

it's actually a 'different' packet!
Because I can append my call to the packet, I can tell what I send to the IS. A real handi feature of UI-View among other nice features like not sending a bazillon converted mic-e packets to the IS.
So now that I have totally confused myself <G> I think that if a loop existed, it was in the Phoenix Valley within 25 miles and the outer digi's and Igates were getting hit with the brunt of it....well into Lost Wages, California, etc. I do not agree that a loop existed outside the phoenix area with any igates. And to insure I was not part of it, I went as far as shutting my igate down and continued to log (from the IS (ALogger is a really neat tool, huh!)) the going's on. So where was this 150 mile loop you see?

>
Jim, WA6OFT

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---

628. [aprssig] APRS + settings

From: John Kraus <jfkraus3@cox.net>
Date: Tue, 18 Jun 2002 22:06:34 -0400
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-85673-2002.06.18-21.43.42--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Am I correct in my interpretation of these settings in APRS+?

ConvertMicePackets=1

Conversion of MIC-E is on and should be off?

TypeReject=}

Third party packets are rejected?

Is this good and what are the ramifications allowing them?

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---

629. [aprssig] GPS application

From: William & Sonnie Schafer <schaferbs@mail.riverview.net>
Date: Wed, 19 Jun 2002 09:47:53 -0400
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-85743-2002.06.19-09.28.35--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Go to the below URL for an interesting application of GPS:

http://clickthru.online.com/Click?q=10-YU9qI9NOJ-ivh53Pf_m6LH5x7x9R

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Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

630. [aprssig] Re: GPS application

From: "Mike Yetsko" <myetsko@insydesw.com>
Date: Wed, 19 Jun 2002 10:05:04 -0400
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-85745-2002.06.19-09.43.56--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

> Go to the below URL for an interesting application of GPS:
>
> http://clickthru.online.com/Click?q=10-YU9qI9NOJ-ivh53Pf_m6LH5x7x9R
>

Interesting article, and a neat application bundle. But for those that didn't read the article, I just want to point out the potential for a new Darwin award candidate:

"In a well-publicized scandal back in 1998, a German couple drove their BMW into a river because their GPS indicated that a bridge crossed it -- when in fact there was a ferry."

Mike

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631. [aprssig] Re: N7AAC - Anyone know him???

From: "Dick Stanich" <dick@kb7zva.com>
Date: Wed, 19 Jun 2002 12:8:6
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-85776-2002.06.19-12.45.19--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

I'll try to be serious, cause I wanted to say, 'huh'?

During that time period when you stated seeing 3000 packets from the station in question. I merely suggested a loop. Few of those packets actually made it down this way. What's interesting is that BLACK and KJ7KY-15 saw them as already converted. BLACK never saw the raw packets. They were converted and sent back to RF as new packets. Where they got converted and sent back to RF, isn't that great a mystery. The packets speak for themselves :)

This 'looping' is not new. We used to see it a lot as we were being adventureous souls by testing new server programs :) I haven't checked lately, but I don't think there is much loading happening at the core servers anymore. I'll be nice and leave it at that.

Dick, KB7ZVA
APRSWest

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632. [aprssig] Re: GPS application

From: "Chuck Fullgraf" <cfullgraf@sprynet.com>
Date: Wed, 19 Jun 2002 13:14:19 -0400
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-85777-2002.06.19-12.52.12--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Cool

If the FAA follows form, if acccepted, this system will have plenty of safeguards to keep the planes and stationary objects from meeting themselves unexpectedly. But it looks like it could improve upon the visual representation for pilots during periods of poor or no visability.

Of course, that won't (and doesn't with current instrument flight and landing systems) keep the bold pilot from blazing his own trails and all too

frequently plowing new furrows on mountain sides and in the fields short of
the runways..

As they say, there are bold pilots and there are old pilots, but there are
no old, bold piolts.

Chuck, KE4OAR

----- Original Message -----
From: "Mike Yetsko" <myetsko@insydesw.com>
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Sent: Wednesday, June 19, 2002 10:05 AM
Subject: [aprssig] Re: GPS application

> > Go to the below URL for an interesting application of GPS:
> >
> > http://clickthru.online.com/Click?q=10-YU9qI9NOJ-ivh53Pf_m6LH5x7x9R
> >
>
>
> Interesting article, and a neat application bundle. But for those that
> didn't read the article, I just want to point out the potential for a new
> Darwin award candidate:
>
> "In a well-publicized scandal back in 1998, a German couple drove
> their BMW into a river because their GPS indicated that a bridge
> crossed it -- when in fact there was a ferry."
>
> Mike
>
>
>
> ---
> You are currently subscribed to aprssig as: cfullgraf@sprynet.com
> To unsubscribe send a blank email to leave-aprssig-842K@lists.tapr.org
> Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org
>

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633. [aprssig] Re: N7AAC - Anyone know him???

From: "Spider" <spider@rivcom.net>
Date: Wed, 19 Jun 2002 11:19:29 -0700
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-85785-2002.06.19-13.56.49--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

----- Original Message -----
From: "Dick Stanich" <dick@kb7zva.com>
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Sent: Wednesday, June 19, 2002 12:00 AM
Subject: [aprssig] Re: N7AAC - Anyone know him???

>
> During that time period when you stated seeing 3000 packets from the
> station in question.

I stated I received a report of 3000 packets.

I merely suggested a loop. Few of those packets
> actually made it down this way.

You suggested a loop 150 miles away and posted a packet with my call in it,
which obviously pointed to me which was way off the mark!

>What's interesting is that BLACK and
> KJ7KY-15 saw them as already converted.

Yes, exactly! We watched the same thing here....and it pointed back to KY's
station I think there were so many bouncing around, there must have been
many collisions in the Valley on RF.

```
BLACK never saw the raw packets.

It was certainly within the path that was set by the transmitting station!
It would have not been logged on the IS do to the fact it had already gone
by and would have been rejected.  That is what happened here.

> They were converted and sent back to RF as new packets. Where they got
> converted and sent back to RF, isn't that great a mystery. The packets
> speak for themselves :)

Agree!

Jim, WA6OFT (always nice!)







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634. [aprssig] Question about trackers?

From: "Dave Sloan" <desloan@earthlink.net>
Date: Wed, 19 Jun 2002 12:34:58 -0600
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-85789-2002.06.19-14.21.13--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

```
Hello all,
   I mentioned to an ARES member that it would be nice to have some trackers
so that they could be attached to vehicles that we wanted to track and free
up a ham. We are currently supporting the Hayman fire. About 70% of the net
time is finding out the current location of this person or this vehicle.
   His question is this legal? How is the best way to respond to him on
this?

Thanks & 73,
Dave N0EOP


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635. [aprssig] Re: Question about trackers?

From: "Roy Bost" <rbost@itexas.net>
Date: Wed, 19 Jun 2002 15:21:35 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-85793-2002.06.19-15.59.09--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

```
If you're going to program, lets say, 10 trackers with your callsign and
then hand them out to ten people you have no way to communicate with, then
how can you convince the FCC that you're still in control of those
transmitters?


---
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```

636. [aprssig] PCSAT Gating question

From: John Kraus <jfkraus3@cox.net>
Date: Wed, 19 Jun 2002 16:50:17 -0400
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-85795-2002.06.19-16.27.27--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

```
Am I correct in assuming that these packets represent properly gated
packets?
```

```
PCSAT-1,013,108,        032,044,023,213,00010011,0100,
G:APS211,RELAY,WIDE}BEACON,TCPIP,KC4ZGQ*        2002/06/19 18:16:16

PCSAT-1,014,120,        118,131,097,213,00010011,0101,
G:APS211,RELAY,WIDE}BEACON,TCPIP,KC4ZGQ*        2002/06/19 18:17:16

PCSAT-11,768,152,158,095,212,213,00111111,0011,
G:APS211,RELAY,WIDE}BEACON,TCPIP,KC4ZGQ*        2002/06/19 18:45:21
```

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637. [aprssig] Re: Question about trackers?

From: "Ray McKnight - WB3ABN" <shortsheep@worldnet.att.net>
Date: Wed, 19 Jun 2002 14:25:21 -0700
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: <aprssig@tapr.org>
Message-ID: <LYR842-85800-2002.06.19-17.02.39--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

You can't.

Giving a transmitter to an unlicensed person is illegal unless you maintain direct supervision and can satisfy the requirements of the control operator responsibilities. This generally means being physically present to control the equipment. There are 3-rd party traffic considerations as well. But it's done all the time, and few people on this list will even bother to discuss it in a rational manner. And BTW - Mr Hollingsworth of the FCC has publicly stated it's illegal too. Just ask the folks running the NYC Marathon.

-----Original Message-----
From: bounce-aprssig-29143@lists.tapr.org
[mailto:bounce-aprssig-29143@lists.tapr.org] On Behalf Of Roy Bost
Sent: Wednesday, June 19, 2002 13:22
To: TAPR APRS Special Interest Group
Subject: [aprssig] Re: Question about trackers?

If you're going to program, lets say, 10 trackers with your callsign and then hand them out to ten people you have no way to communicate with,
then
how can you convince the FCC that you're still in control of those transmitters?

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638. [aprssig] Re: Question about trackers?

From: "" <ka0azs@commkey.net>
Date: Wed, 19 Jun 2002 17:54:42 -0400
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-85806-2002.06.19-17.36.56--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Ray stated, in part

>BTW - Mr Hollingsworth of the FCC has publicly stated it's illegal
> too. Just ask the folks running the NYC Marathon.
>
Do you have a source for this coming from Hollingsworth?

The way I heard the story on the NYC Marathon, that opinion came from a ham on the Marathon staff that was a FORMER FCC official, and may or may not have had a clear picture of waht APRS is, or a feel for the current state of the art. This was at least 3rd party and so may be an inaccurate picture of the situation.

I have not seen anything explicitly on this one way or the other from the FCC, just a lot of individual interpretations of Part 97.

I'm not saying you're wrong, I just hadn't heard that it came directly from Hollingsworth prior to this.   I think that on an issue with this potential impact on the use of APRS for Public Service and ARES work, we need a direct statement from an authroitative source.

In the meantime, dumb trackers can still be useful by putting them in vehicles with Hams on board that may not have APRS savvy to provide locational data to net control and satsifying legal requriements (as well as providing voice back up). This doesn't help in the original situation, but is something to take into consideration for future planning.

73

Randy KA0AZS

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639. [aprssig] Re: Question about trackers?

From: "Joe Della Barba" <joe@dellabarba.com>
Date: Wed, 19 Jun 2002 18:36:23 -0400
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-85812-2002.06.19-18.13.54--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

A dumb tracker is just that, but my PK-12 can be set to RESPOND to a query,
thus only transmitting when a licensed ham initiated it.
73
Joe
N3HGB

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Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

640. [aprssig] One-Way Transmissions

From: "Sadowski, Allan" <allan.sadowski@ncshp.org>
Date: Wed, 19 Jun 2002 18:46:49 -0400
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-85813-2002.06.19-18.24.06--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

FCC 97.111 Authorized Transmissions

(a)..........
(b) In addition to one-way transmissions specifically authorized elsewhere in this Part, an amateur station may transmit the follwing types of one-way transmissions:
(1).....
.
.
(7) Transmissions of Telemetry

Definitions being at the beginning of Part 97 and definition of Telemetry (45) being: A one-way transmission of measurements at a distance from the measuring instrument.

So, as I understand it, measuring position via GPS is telemetry... and APRS is just fine if you are using a GPS....

But I could be wrong...

ALOHA
AH6LS

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Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

641. [aprssig] Re: Question about trackers?

From: aa8ei@cinci.rr.com
Date: Wed, 19 Jun 2002 18:21:06 -0400
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-85809-2002.06.19-17.58.42--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

If you did same with 10 hams, whose batteries have discharged, are you not
in the same situation? If the tracker drivers stop for chow, is it not the
same situation?

Given the number of successful MS150 tracking operations, and other such
experience, I'd say it's not much of a worry. Analyze the risk potential
posed by the transmitters against the help the track provides.

Had I the 10 trackers, I'd do it. Sometimes, paranoia surfaces
unnecessarily. I doubt the FCC is worried about the assistance ham radio
provides in disaster events. Seems part of the 'service' we should provide
to me. Naturally, I wouldn't bother trying to convince anyone of anything.

Tony
AA8EI

At 04:21 PM 6/19/02, Roy Bost wrote:
>If you're going to program, lets say, 10 trackers with your callsign and
>then hand them out to ten people you have no way to communicate with, then
>how can you convince the FCC that you're still in control of those
>transmitters?

---
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---

642. [aprssig] Earthmate and GPS

From: "Robert G. Chimel, WA3LWR" <wa3lwr01@epix.net>
Date: Wed, 12 Jun 2002 19:08:38 -0400
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-85814-2002.06.19-18.43.22--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Hi,

I have an Earthmate GPS unit and am wondering if it can be used for APRS
mobile operations to provide the necessary data.

THanks
Bob

---
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---

643. [aprssig] Re: Question about trackers?

From: "Mike Yetsko" <myetsko@insydesw.com>
Date: Wed, 19 Jun 2002 18:12:58 -0400
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-85808-2002.06.19-17.51.55--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

> If you're going to program, lets say, 10 trackers with your callsign and
> then hand them out to ten people you have no way to communicate with,
then
> how can you convince the FCC that you're still in control of those
> transmitters?

This is one of those questions that qualify along the lines of "If you may
not
like the answer, don't ask the question"

The problem is that this 'scenario' is close enough to other scenarios
that

in the past have been 'frowned upon' by the FCC. Thing is, who is the control operator? Is he in control? Is he responsible? Is he capable of 'shutting the device down' if something goes wrong.

Now, handing a tracker some would argue DEFINITELY falls into the category of handing an unlicensed individual a radio, even if they DON'T press a PTT.

However, if you, as a HAM were to 'install' a tracker' in a vehicle that had no way anyone could tamper with, that you could drive out to shut off in a reasonable amount of time if it started barfing on the air, and YOU were willing to to declare responsibility for it... This scenario COULD be argued that it was no different than you putting a tracker in 10 balloons and launching them. Is that legal? Is one legal? Ok, what's the number?

Thing is, sometimes you don't WANT to ask the question. BUT!! Remember the guidlines. Try to keep it 'as if' it were a tracker in a balloon. That is, NO ONE can touch the units but the HAM control operator. NO ONE can INTERFACE with the units, but the HAM control operator. And just in case, the HAM has to be able to reasonably get to the units to shut them off in case of failure. That can be physically, or through a 'control channel' that is above 222MHz in frequency.

As long as nothing went wrong....

Thing is, it's up to the HAM who is the control operator if he wants to risk it.

Mike

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644. [aprssig] Re: Question about trackers?

From: "Bob K8YS & Janet N8LBR" <jbcraft@adelphia.net>
Date: Wed, 19 Jun 2002 19:50:49 -0400
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-85821-2002.06.19-19.30.51--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

At 04:21 PM 6/19/02, Roy Bost wrote:
>If you're going to program, lets say, 10 trackers with your callsign and
>then hand them out to ten people you have no way to communicate with, then
>how can you convince the FCC that you're still in control of those
>transmitters?

One way to convince the FCC that you are in control is they you KNOW where every device is located at any given time, and you can control each one - even if you need to drive to it and turn it off. That is better control then most repeaters use.

Bob

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645. [aprssig] Re: Earthmate and GPS

From: WA8LMF2@aol.com
Date: Wed, 19 Jun 2002 21:44:13 EDT
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: wa3lwr01@epix.net
Message-ID: <LYR842-85845-2002.06.19-21.21.32--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

In a message dated 6/19/02 4:07:40 PM Pacific Daylight Time, wa3lwr01@epix.net writes:

> I have an Earthmate GPS unit and am wondering if it can be used for APRS
> mobile operations to provide the necessary data.

```
>

Unlike the earlier Delorme Tripmate, the Earthmate outputs a proprietary
binary format that only works with Delorme programs (Street Atlas, TopoUSA,
TopoQuads, etc).  It DOES NOT output the standard NMEA ASCII required by
nearly all other GPS-using programs (rare exception -- UI-View supports the
Earthmate's binary format directly!).

However the GST-1 (GPS Sentence Translator) by Byonics (of TinyTrak fame)
will convert the Earthmate's proprietary format to standard NMEA 4800-8-N-1.

This PIC-microcontroller-based device is packaged in a male-to-female "gender
non-changer" that inserts between the Earthmate's DB9 female plug and the DB9
male plug on the PC or other device you are connecting to.  If you are
powering the Earthmate from external power with one of Delorme's forked
cables, the GST-1 draws it's power from the same connection.  Available from :
    http://www.byonics.com

for about $50  assembled.

Note that while the main GPS sentences are produced by this device, the
secondary sentences such as satellite status (GSV) are not.  This means any
sky view diagrams, DOP (dilution of precision) graphs, lists of satellites in
view, etc in your application will remain blank.

Stephen H. Smith                   wa8lmf @ aol.com
Home Page:
http://members.aol.com/wa8lmf
Ham Radio/Mobile SSTV page:     http://members.aol.com/wa8lmf/ham
APRS Stuff
http://members.aol.com/wa8lmf/aprs
------------------------------------------------------------------------------

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```

646. [aprssig] Re: Question about trackers?

From: "Ray McKnight - WB3ABN" <shortsheep@worldnet.att.net>
Date: Wed, 19 Jun 2002 19:12:02 -0700
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: <aprssig@tapr.org>
Message-ID: <LYR842-85846-2002.06.19-21.52.09--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

```
But for automated control, it says you must be able to affect control
"immediately upon being notified".  If the tracker is hundreds or
thousands of miles away, how can "immediate" be accomplished?  I know,
judgment call.

-----Original Message-----
From: bounce-aprssig-29143@lists.tapr.org
[mailto:bounce-aprssig-29143@lists.tapr.org] On Behalf Of Bob K8YS &
Janet N8LBR
Sent: Wednesday, June 19, 2002 16:51
To: TAPR APRS Special Interest Group
Subject: [aprssig] Re: Question about trackers?

At 04:21 PM 6/19/02, Roy Bost wrote:
>If you're going to program, lets say, 10 trackers with your callsign
and
>then hand them out to ten people you have no way to communicate with,
then
>how can you convince the FCC that you're still in control of those
>transmitters?

One way to convince the FCC that you are in control is they you KNOW
where
every device is located at any given time, and you can control each one
```

-
even if you need to drive to it and turn it off. That is better control
then
most repeaters use.

Bob

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---

647. [aprssig] RE: Earthmate and GPS

From: "Ray McKnight - WB3ABN" <shortsheep@worldnet.att.net>
Date: Wed, 19 Jun 2002 19:08:55 -0700
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: <aprssig@tapr.org>
Message-ID: <LYR842-85847-2002.06.19-21.53.57--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Not natively. The Earthmate outputs a critter known as Rockwell Binary
format, and has to be converted to NMEA compatible data before any TNC's
can understand it. If my memory serves me right, the little widget that
does that conversion costs between $30-$50, probably worth as much as
the Earthmate! Offhand I can't recall where those widgets come from...

73's
Ray - WB3ABN
Kingston, WA

-----Original Message-----
From: bounce-aprssig-29143@lists.tapr.org
[mailto:bounce-aprssig-29143@lists.tapr.org] On Behalf Of Robert G.
Chimel, WA3LWR
Sent: Wednesday, June 12, 2002 16:09
To: TAPR APRS Special Interest Group
Subject: [aprssig] Earthmate and GPS

Hi,

I have an Earthmate GPS unit and am wondering if it can be used for APRS
mobile operations to provide the necessary data.

THanks
Bob

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---

648. [aprssig] Re: Question about trackers?

From: "Bob K8YS & Janet N8LBR" <jbcraft@adelphia.net>
Date: Wed, 19 Jun 2002 22:18:08 -0400
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-85848-2002.06.19-21.58.12--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Roy,
SOMETIMES it is best to let sleeping dogs sleep, when that fails, then the
next best option is to ask forgiveness rather than permission.

Bob

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649. [aprssig] FD

From: "W5JSR" <w5jsr@arrl.net>
Date: Wed, 19 Jun 2002 21:20:25 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-85849-2002.06.19-21.58.37--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Well, guys, what is the proceedure for FD and APRS this year. I don't care if the ARRL recognizes it or not, I am going to send in the contacts anyway!

73 de Scott, W5JSR

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650. [aprssig] REgistering PMAP.OCX in WinAPRS

From: Earl Needham <needhame@yucca.net>
Date: Wed, 19 Jun 2002 21:41:38 -0600
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-85854-2002.06.19-23.33.58--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

I have my friends laptop over here, trying to get WinAPRS 2.5.0 to work with PM 3.0. Running the pmapocx,bat batch file, all files seem to copy OK, but REGSVR32 gives me an error:

```
        LoadLibrary ("MAPOCX.OCX") failed.
        GetLastError returns 0x00000002.
```

Any ideas how to fix this? The laptop is running W95, BTW.

Tnx es 7 3
Earl

Earl Needham, KD5XB, Clovis, New Mexico DM84jk
KD5XB-2>APW251,PCSAT-1*:=3425.83N/10313.55W-PHG7150/WinAPRS 2.5.1
-EARL_CLOVIS -251-<630>
Did you get a letter from Nigeria offering a "deal"? See
http://home.rica.net/alphae/419coal/ and
http://www.crimes-of-persuasion.com/Crimes/Business/nigerian.htm

---
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651. [aprssig] Re: Question about trackers?

From: Frosty6981@aol.com
Date: Wed, 19 Jun 2002 23:57:53 EDT
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-85855-2002.06.19-23.35.25--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

You might want to ask the FCC what they thought, It couldn't hurt. Also like said before it is easier to ask forgiveness than permission.

73, Reid KC0IDI

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652. [aprssig] OT: Field Day Packet Bulletins

From: "Brian P. Mileshosky" <n5zgt@swcp.com>
Date: Wed, 19 Jun 2002 22:27:51 -0600
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-85868-2002.06.20-00.05.59--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Hi All,

OT...

For those of you who were active when "regular" packet was a extremely popular, you might have noticed some of the Field Day bulletins sent @ALLUS flaoting around before the big event in regards to "Proposed Field Day Bonus Points" and "How to configure your TNC for Field Day operation." The first was humor, the second was reference.

Might anyone have saved these old bulletins? I'd sure like to check them out, as I used to post them on my PBBS during each Field Day season for the fun of it, but have since deleted the files by accident a while back.

It would be great if someone can forward me these messages!

73 and GL this weekend,
Brian, N5ZGT

Amateur Radio Station N5ZGT - N5ZGT PBBS, 145.01 MHz
ARRL Life Member, NorCal #1700 QRP-L #580 AK/QRP #125

Boy Scouts of America - Eagle Scout 12/6/96 - ASM, Troop 85
Vigil Honor Member, O.A. Lodge 66 Yah-Tah-Hey-Si-Kess

Please visit my site at http://www.unm.edu/~brianm

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653. [aprssig] Re: Question about trackers? Plus another Question?

From: "Dave Sloan" <desloan@earthlink.net>
Date: Thu, 20 Jun 2002 00:03:12 -0600
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-85877-2002.06.20-01.54.46--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

First I want to thank everyone that has responded. So far I've gotten several "that is illegal", several "legal providing that control isn't given to non hams", and some not sure but that they would do it. First if I was to install a tracker on a vehicle without a ham then I would seal the unit so that it would keep the honest person from being able to control it. Also for those that commented about gps..Yes they would have a GPS unit attached.

I guess that if we say that they are not legal than you would not be able to include one in an unmanned balloon flight. What about the number of gateways, digi's, and individual stations that are left operating when the ham is either gone or asleep?

My take is that if the control operator is identified and is the one that configured the tracker, installed it, applied the power to activate the tracker, and can reasonably be able to control (shut he unit down) if needed then it is OK. If non licensed hams have access to change frequencies or otherwise control the tracker then I would say no way.

Thanks to all of those that are providing responses,
Dave N0EOP

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654. [aprssig] RE: Earthmate and GPS

From: Rich@Osman.com
Date: Thu, 20 Jun 2002 03:47:28 -0700 (PDT)
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: aprssig@lists.tapr.org, aprssig@tapr.org
Message-ID: <LYR842-85883-2002.06.20-06.24.43--lyris.aprssig#tapr.org@lists.tapr.org>

Rendered body type: text/plain

Byon Garrabant of TinyTrak fame makes them; http://www.byonics.com

On Wed, 19 June 2002, "Ray McKnight - WB3ABN" wrote

>
> Not natively. The Earthmate outputs a critter known as Rockwell Binary
> format, and has to be converted to NMEA compatible data before any TNC's
> can understand it. If my memory serves me right, the little widget that
> does that conversion costs between $30-$50, probably worth as much as
> the Earthmate! Offhand I can't recall where those widgets come from...
>
> 73's
> Ray - WB3ABN
> Kingston, WA
>
>
> -----Original Message-----
> From: bounce-aprssig-29143@lists.tapr.org
> [mailto:bounce-aprssig-29143@lists.tapr.org] On Behalf Of Robert G.
> Chimel, WA3LWR
> Sent: Wednesday, June 12, 2002 16:09
> To: TAPR APRS Special Interest Group
> Subject: [aprssig] Earthmate and GPS
>
> Hi,
>
> I have an Earthmate GPS unit and am wondering if it can be used for APRS
> mobile operations to provide the necessary data.
>
> THanks
> Bob
>
>
>
> ---
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>
>
>
> ---
> You are currently subscribed to aprssig as: rich@osman.com
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> Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

mailto:Rich@Osman.com http://www.rich.osman.com
Rich Osman; POB 93167; Southlake, TX 76092 (Near DFW
Airport) ARS: N1OZ

If you receive something that says "Send this to
everyone you know,"
      PLEASE pretend you don't know me.

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655. [aprssig] FD and Ballon launch

From: Robert W Burton <kd4ydc@juno.com>
Date: Thu, 20 Jun 2002 06:53:30 -0400
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-85885-2002.06.20-06.40.58--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Weather permitting the Fayette County Repeater Association and Fayette County ARES will have a APRS demo (yes, we will be making contacts during Field Day as well ;-) for Field Day. In addition to having a base station setup for viewing, we will have a hot air ballon launch from our site. We will have a tracker aboard but I am not sure which callsign we will be using. Not sure which ham will be going along. The flight should be about 1.5 hours. The balloon will take off just south of the metro Atlanta. (one block from the home station of KD4YDC)
73,
Robert

____
GET INTERNET ACCESS FROM JUNO!
Juno offers FREE or PREMIUM Internet access for less!
Join Juno today! For your FREE software, visit:
http://dl.www.juno.com/get/web/.

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656. [aprssig] Re: FD and Ballon launch

From: <na4v@cox.net>
Date: Thu, 20 Jun 2002 8:19:13 -0400
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-85887-2002.06.20-07.56.25--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Robert...why not put you van in the basket...wouldn't that be earsier?   LOL
Mark, NA4V
>
> From: Robert W Burton <kd4ydc@juno.com>
> Date: 2002/06/20 Thu AM 06:53:30 EDT
> To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
> Subject: [aprssig] FD and Ballon launch
>
> Weather permitting the Fayette County Repeater Association and Fayette
> County ARES will have a APRS demo (yes, we will be making contacts during
> Field Day as well ;-) for Field Day. In addition to having a base
> station setup for viewing, we will have a hot air ballon launch from our
> site. We will have a tracker aboard but I am not sure which callsign we
> will be using. Not sure which ham will be going along. The flight
> should be about 1.5 hours. The balloon will take off just south of the
> metro Atlanta. (one block from the home station of KD4YDC)
> 73,
> Robert
>
>
> ____
> GET INTERNET ACCESS FROM JUNO!
> Juno offers FREE or PREMIUM Internet access for less!
> Join Juno today! For your FREE software, visit:
> http://dl.www.juno.com/get/web/.
>
> ---
> You are currently subscribed to aprssig as: na4v@cox.net
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> Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org
>
>

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657. [aprssig] Precission Maps 5.0

From: "John Scott" <n0hzn@charter.net>
Date: Thu, 20 Jun 2002 7:42:33
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-85894-2002.06.20-08.19.46--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Okay, I finally got it registered but when I use it in Winaprs 2.6.1 the
map only fills half the window which makes for a small map. Can anyone tell
me how to get it to open to the full window? And yes I have the map in full
screen mode. Thanks in advance.

John - N0HZN
n0hzn@arrl.net

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658. [aprssig] Re: FD

From: "Guy Story, KC5GOI" <kc5goi@kc5goi.net>
Date: Thu, 20 Jun 2002 07:54:21 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-85896-2002.06.20-08.31.34--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

```
Here is a suggestion, we have treid it before and someone broke it but I think
we can do this.

1.)     Do not use FieldDay as your call.  Use something like DCARAFD or your
regular call.  If you use a tactical call, remember to have the btext send a
legal call every ten minutes.
2.)     Igates need to had FieldDay in the list to gate to rf.
3.)     When you send a message to locate stations, send it to FieldDay.  This
will go out the gates and have the gates unprotopath.

This method will keep you from having to guess the call of the stations you
try to contact.

How does this idea sound to everyone?

On Wednesday 19 June 2002 09:20 pm, W5JSR wrote:
> Well, guys, what is the proceedure for FD and APRS this year.
>
> 73 de Scott, W5JSR

--
Guy Story, KC5GOI
Itel-Tigerbyte LLC
gstory@tigerbyte.com
940.891.4575

---
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```

---

659. [aprssig] RE: REgistering PMAP.OCX in WinAPRS

From: Bill Diaz <william.diaz@attbi.com>
Date: Thu, 20 Jun 2002 08:06:12 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-85903-2002.06.20-08.44.59--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

```
Earl,
  The error you described may be encountered when Regsvr32 cannot find the file passed as an argument.

The command RegSvr32 MapOCX.OCX  will successfully register the OCX if the OCX is in the \Windows
directory.

The command line RegSvr32 C:\WinAPRS will register an OCX found in the WinAprs directory on drive C:

If the OCX is in a directory whose name contains a space, try enclosing the path in double quotes :
RegSvr32 "C:\My WinAprs\MapOCX.OCX"

Bill KC9XG

On Wednesday, June 19, 2002 22:42, Earl Needham [SMTP:needhame@yucca.net] wrote:
>
>       I have my friends laptop over here, trying to get WinAPRS 2.5.0 to work
> with PM 3.0.  Running the pmapocx,bat batch file, all files seem to copy
> OK, but REGSVR32 gives me an error:
>
>       LoadLibrary ("MAPOCX.OCX") failed.
>       GetLastError returns 0x00000002.
>
>
>       Any ideas how to fix this?  The laptop is running W95, BTW.
>
>       Tnx es 7 3
>       Earl
>
> Earl Needham, KD5XB, Clovis, New Mexico  DM84jk
> KD5XB-2>APW251,PCSAT-1*:=3425.83N/10313.55W-PHG7150/WinAPRS 2.5.1
> -EARL_CLOVIS -251-<630>
> Did you get a letter from Nigeria offering a "deal"?  See
> http://home.rica.net/alphae/419coal/ and
> http://www.crimes-of-persuasion.com/Crimes/Business/nigerian.htm
```

```
>
>
> ---
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```

---

660. [aprssig] RE: Precission Maps 5.0

From: Bill Diaz <william.diaz@attbi.com>
Date: Thu, 20 Jun 2002 08:10:43 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-85904-2002.06.20-08.49.39--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

```
John,
  Apparently, WinAPRS 2.6.1 will only allow a square map window (Width =
Height).  AFAIK, there is no way to force WinAprs 2.6.1 to create a
rectangular window that would fill the available display area.

Bill KC9XG

On Thursday, June 20, 2002 02:43, John Scott [SMTP:n0hzn@charter.net]
wrote:
> Okay, I finally got it registered but when I use it in Winaprs 2.6.1 the
> map only fills half the window which makes for a small map. Can anyone
tell
> me how to get it to open to the full window? And yes I have the map in
full
> screen mode.  Thanks in advance.
>
> John - N0HZN
> n0hzn@arrl.net
>
> ---
> You are currently subscribed to aprssig as: kc9xg@attbi.com
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>
>

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```

---

661. [aprssig] Re: Question about trackers?

From: "Wes Johnston" <wes@johnston.net>
Date: Thu, 20 Jun 2002 09:12:35 -0400
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: "aprs" <aprssig@tapr.org>
Message-ID: <LYR842-85905-2002.06.20-08.50.40--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

```
Because you can log into them remotely and shut them off if needed.  The
person with the tracker (unlicensed or not) has no control of the PTT or RTL
(Release To Listen) button.  Then cannot cause the transmitter to activate
(one of the points in pt 97 about unlicensed people TXing), and you have can
remotely shut down or turn on the transmitter (another part of 97.).  Just
for snorts and grins, the second tracker I made with a tripmate in an ammo
box had a key switch from radio shack on it.

I see no problem with my wife carrying my "kd4rdb-12" digipeater around in
her car.

Wes

----- Original Message -----
From: "Roy Bost" <rbost@itexas.net>
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Sent: Wednesday, June 19, 2002 4:21 PM
Subject: [aprssig] Re: Question about trackers?
```

> If you're going to program, lets say, 10 trackers with your callsign and
> then hand them out to ten people you have no way to communicate with, then
> how can you convince the FCC that you're still in control of those
> transmitters?
>
>
> ---
> You are currently subscribed to aprssig as: kd4rdb@netzero.com
> To unsubscribe send a blank email to leave-aprssig-842K@lists.tapr.org
> Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org
>
>
>

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Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

---

662. [aprssig] Re: Precission Maps 5.0

From: Robbie <mwrobertson@attbi.com>
Date: Thu, 20 Jun 2002 08:26:41 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: TAPR APRS Special Interest Group <aprssig@lists.tapr.org>
Message-ID: <LYR842-85906-2002.06.20-09.03.56--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Hi John,

Until Mark or Keith release the next version that is all you
will get. The 2.6.1 version HAS to have a square map! So if
your screen is 10 inches tall, then you will have a ten inch
wide window for the time being.

What I do is have two windows running. Adjust the second
window to fill the blank portion of your screen.. Looks a
lot better!

Robbie, wa9inf

John Scott wrote:
>
> Okay, I finally got it registered but when I use it in Winaprs 2.6.1 the
> map only fills half the window which makes for a small map. Can anyone tell
> me how to get it to open to the full window? And yes I have the map in full
> screen mode. Thanks in advance.
>
> John - N0HZN
> n0hzn@arrl.net
>
> ---
> You are currently subscribed to aprssig as: mwrobertson@attbi.com
> To unsubscribe send a blank email to leave-aprssig-842K@lists.tapr.org
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---

663. [aprssig] Message Only Port 1314

From: "Dick Stanich" <dick@kb7zva.com>
Date: Thu, 20 Jun 2002 8:48:28
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-85909-2002.06.20-09.25.42--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

By connecting to port 1314, you have the ability to see a bidirectional
datastream for full worldwide messaging ONLY, without a history dump. All
station to station messages from all data sources and corresponding
position reports are available on this port.

Most APRS IS servers have this port available and it can be very useful
during special events, or in situations where you may have limited ISP
bandwidth issues. 3rd party station to station messages are supported from
all sources, ie. RF Messaging.

To find out more about the many different ports available for your Igate or
internet connection, visit http://kb7zva.com

APRS IS servers provide MANY different flavors of ports, not just regional
or full feeds.

(This was in response to an inquiry I received from a new user, that had
less than a 28k dialup connection, and kept being dumped by the servers
because he couldn't keep up with the full data flow :)

Good Luck,

Dick, KB7ZVA
APRSWest.net (10152 Full APRS IS Feed)
APRSWest.net (1314 Message ONLY)
APRSWest.net (14579 Western States, Full Feed)
More...

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---

664. [aprssig] Precission Maps 5.0 and WINAPRS 2.61

From: "Jim Cowell" <jc@warwick.net>
Date: Thu, 20 Jun 2002 8:51:40
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-85910-2002.06.20-09.29.04--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

I'm Having some problems with Pmap5.0 also. It's registired. I ran the bat.
In WINAPRS 2.61 I don't get any street level detail just some major
highways. Did I miss something simple. DUH? and thanks in advance.

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---

665. [aprssig] Re: Precission Maps 5.0 and WINAPRS 2.61

From: Robbie <mwrobertson@attbi.com>
Date: Thu, 20 Jun 2002 09:13:41 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: TAPR APRS Special Interest Group <aprssig@lists.tapr.org>
Message-ID: <LYR842-85911-2002.06.20-09.50.54--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Hi Jim,

Usually happens if your CDrom drive letter is not correct.
On the right hand side, fifth button up, Precision Mapping
open, set your States folder drive.

That's assuming you had no errors running the .bat

Good luck

Robbie, wa9inf

Jim Cowell wrote:
>
> I'm Having some problems with Pmap5.0 also. It's registired. I ran the bat.
> In WINAPRS 2.61 I don't get any street level detail just some major
> highways. Did I miss something simple. DUH? and thanks in advance.
>
> ---
> You are currently subscribed to aprssig as: mwrobertson@attbi.com
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666. [aprssig] Tracker question

From: "Alan Heaberlin" <amh@QNET.COM>
Date: Thu, 20 Jun 2002 07:21:45 -0700
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-85912-2002.06.20-09.56.51--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

```
I wouldn't turn 10 of my friends from the bar loose with trackers with my
call sign on them. I think the broader implication Dave makes is with an
official activation.
If I'm the radio officer of an ACS or RACES unit and I'm activated by the
emergency coordinator then I feel that my use of Amateur radio strictly
falls outside of Part 97 for the purpose of the emergency. I wouldn't have a
problem putting my callsign on a tracker for each emergency vehicle in my
city but I probably wouldn't put on on the local pizza delivery guys car to
see when my pie is gonna get here!
Alan Heaberlin W6AMH
Radio Officer
California City ACS
> ----------------------------------------------------------------------
>
> Subject: Question about trackers?
> From: "Dave Sloan" <desloan@earthlink.net>
> Date: Wed, 19 Jun 2002 12:34:58 -0600
> X-Message-Number: 6
>
> Hello all,
>    I mentioned to an ARES member that it would be nice to have some
trackers
> so that they could be attached to vehicles that we wanted to track and
free
> up a ham. We are currently supporting the Hayman fire. About 70% of the
net
> time is finding out the current location of this person or this vehicle.
>    His question is this legal? How is the best way to respond to him on
> this?
>
> Thanks & 73,
> Dave N0EOP
>
>
> ----------------------------------------------------------------------



---
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```

---

667. [aprssig] RE: Precission Maps 5.0 and WINAPRS 2.61

From: Bill Diaz <william.diaz@attbi.com>
Date: Thu, 20 Jun 2002 09:19:26 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-85914-2002.06.20-09.58.33--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

```
Jim,
  The problem you have described may be encountered when some of the
mapping files are not available to WinAPRS and the PMap OCX.  The
\PMap50\States directory contains the files needed to draw street level
detail.

WinAprs expects that the 5.0 mapping data will be found in the \PMap50
directory.  WinAPRS only allows you to select the drive where this
directory is located.  A typical setup is to access the PMap 5.0 files on
your CD ROM drive on drive D:.  You must supply the correct drive letter to
WinAPRS by selecting the 8th button from the top of the toolbar displayed
on the right side of your display.

You can also place all of the PMap data on your hard drive.  This will
speed up the rendering of maps considerably.  You can copy directories
\Data1, \Data2, \Data3 and \States to a \PMap50 directory on your hard
drive (requires about 600MB).  Change your WinAprs CD Rom Drive setting to
your hard drive after you do this.  You could also copy just the \Data1,
\Data3, and a portion of the \States directory to your hard drive to
conserve disk space.  The PMap Help file contains information that lists
the state names and associated file names.
```

Bill KC9XG

On Thursday, June 20, 2002 03:52, Jim Cowell [SMTP:jc@warwick.net] wrote:
> I'm Having some problems with Pmap5.0 also. It's registired. I ran the
bat.
> In WINAPRS 2.61 I don't get any street level detail just some major
> highways. Did I miss something simple. DUH? and thanks in advance.
>
>

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---

668. [aprssig] bug found in Linux aprsdigi

From: Alan Crosswell <n2ygk@weca.org>
Date: Thu, 20 Jun 2002 12:38:58 EDT
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-85917-2002.06.20-12.16.13--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

If you are running my Linux aprsdigi code please drop me a line. I found a buffer overrun bug in expanding TRACEn-n which I've fixed. I'll be posting a new release shortly.

73 de Alan N2YGK
PS: as a result, the W2AEE aprsdigi may actually stay on the air now:-)

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---

669. [aprssig] how does EMAIL from APRS work?

From: "Bob K8YS & Janet N8LBR" <jbcraft@adelphia.net>
Date: Thu, 20 Jun 2002 15:55:20 -0400
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-85929-2002.06.20-15.35.14--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

I remember hearing that you can EMAIL from 2meters via the network.... how does that work?

Bob

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---

670. [aprssig] Re: Question about trackers?

From: k5qq@juno.com
Date: Thu, 20 Jun 2002 14:00:17 -0600
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-85930-2002.06.20-15.40.16--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

On Thu, 20 Jun 2002 09:12:35 -0400 "Wes Johnston" <wes@johnston.net>
writes:
> Because you can log into them remotely and shut them off if needed.
> ......
>and you have can remotely shut down or turn on the transmitter
>(another part of 97.).

But a more carefull reading of the rules indicates you need to have the
control
on a frequency above the 2 meter band. Currently all remotely controlled
TNC's are remotely controlled via the radio they normally pass traffic
on. i.e.
two meters.

As a result, your argument is incorrect. You are not meeting the rules.
 Your

proposed operation is a violation of the rules.

Jim

____
GET INTERNET ACCESS FROM JUNO!
Juno offers FREE or PREMIUM Internet access for less!
Join Juno today! For your FREE software, visit:
http://dl.www.juno.com/get/web/.

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671. [aprssig] Re: how does EMAIL from APRS work?

From: "Eric Christensen, KF4OTN" <kf4otn@cox.net>
Date: Thu, 20 Jun 2002 16:03:26 -0400
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-85931-2002.06.20-15.40.52--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Send a message to EMAIL. At the beginning of the message put the email address in which you want the message to be delivered. After the email address, SPACE, then the message. Your packet must be heard by an IGATE.

73s,
Eric KF4OTN

----- Original Message -----
From: "Bob K8YS & Janet N8LBR" <jbcraft@adelphia.net>
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Sent: Thursday, June 20, 2002 15:55
Subject: [aprssig] how does EMAIL from APRS work?

I remember hearing that you can EMAIL from 2meters via the network.... how does that work?

Bob

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wa1lou@tapr.org

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Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

672. [aprssig] Re: Question about trackers?

From: "Mike Yetsko" <myetsko@insydesw.com>
Date: Thu, 20 Jun 2002 16:10:49 -0400
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-85932-2002.06.20-15.49.49--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Actually, the rules do NOT say that.

The rules say you must have a method for control.

IF you have and rely on a 'control channel', and IF that control channel is on amateur frequencies, it must be above 222Mhz. It does NOT say you CANNOT have control on the same or other frequencies. It does NOT say you must have a control channel.

He would only be in violation of the rules IF he relied on that same frequency for data as control, that frequency being below 222, and that

that frequency was the only method for control. It could always be
argued that it was NOT an unattended operation at that he could
designate another ham or personally terminate the operation. But
doing that, NO control channel would be needed. There is no rule
that specifies how close a control operator has to be to the device,
not how fast a control operator has to respond.

Mike

----- Original Message -----
From: <k5qq@juno.com>

>
> On Thu, 20 Jun 2002 09:12:35 -0400 "Wes Johnston" <wes@johnston.net>
> writes:
> > Because you can log into them remotely and shut them off if needed.
> > ......
> >and you have can remotely shut down or turn on the transmitter
> >(another part of 97.).
>
> But a more carefull reading of the rules indicates you need to have the
> control
> on a frequency above the 2 meter band. Currently all remotely
controlled
> TNC's are remotely controlled via the radio they normally pass traffic
> on. i.e.
> two meters.
>
> As a result, your argument is incorrect.   You are not meeting the
rules.
> Your
> proposed operation is a violation of the rules.
>
> Jim
>
> ____
> GET INTERNET ACCESS FROM JUNO!
> Juno offers FREE or PREMIUM Internet access for less!
> Join Juno today! For your FREE software, visit:
> http://dl.www.juno.com/get/web/.
>
> ---
> You are currently subscribed to aprssig as: myetsko@insydesw.com
> To unsubscribe send a blank email to leave-aprssig-842K@lists.tapr.org
> Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org
>
>

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Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

---

673. [aprssig] Re: Question about trackers?

From: Doug Bade <doug@clecom.com>
Date: Thu, 20 Jun 2002 16:27:12 -0400
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-85934-2002.06.20-16.04.30--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

That interpretation would make every 2 meter (or lower) digi in a remote
location illegal on every packet freq. I do not beleive this to be the case..
My recollection of that particular rule is relative to voice repeaters, not
packet stations.
Doug KB8GVQ

At 02:00 PM 6/20/02 -0600, k5qq@juno.com wrote:

>But a more carefull reading of the rules indicates you need to have the
>control
>on a frequency above the 2 meter band. Currently all remotely controlled
>TNC's are remotely controlled via the radio they normally pass traffic
>on. i.e.
>two meters.
>
>As a result, your argument is incorrect.   You are not meeting the rules.

> Your
>proposed operation is a violation of the rules.
>
>Jim

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Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

674. [aprssig] Re: Question about trackers?

From: "Eric Christensen, KF4OTN" <kf4otn@cox.net>
Date: Thu, 20 Jun 2002 16:50:46 -0400
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-85937-2002.06.20-16.28.07--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

OK, it is my interpretation that the control station for an APRS tracker would be considered an Auxiliary station. This is because it is a remote control station.

Per 97.201(b): An auxiliary station may transmit only on the 1.25m and shorter wavelength bands, except the 219-220 MHz, 222.0 - 222.15 MHz, 431-433 MHz and 435-438 MHz.

Eric KF4OTN

----- Original Message -----
From: "Doug Bade" <doug@clecom.com>
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Sent: Thursday, June 20, 2002 16:27
Subject: [aprssig] Re: Question about trackers?

That interpretation would make every 2 meter (or lower) digi in a
remote
location illegal on every packet freq. I do not beleive this to be
the case..
My recollection of that particular rule is relative to voice
repeaters, not
packet stations.
Doug KB8GVQ

At 02:00 PM 6/20/02 -0600, k5qq@juno.com wrote:

>But a more carefull reading of the rules indicates you need to have
the
>control
>on a frequency above the 2 meter band. Currently all remotely
controlled
>TNC's are remotely controlled via the radio they normally pass
traffic
>on. i.e.
>two meters.
>
>As a result, your argument is incorrect.   You are not meeting the
rules.
> Your
>proposed operation is a violation of the rules.
>
>Jim

You are currently subscribed to aprssig as: kf4otn@cox.net
To unsubscribe send a blank email to
leave-aprssig-842K@lists.tapr.org
Questions regarding the SIG go to the SIG administrator:
wa1lou@tapr.org

You are currently subscribed to aprssig as: lyris.aprssig@tapr.org
To unsubscribe send a blank email to leave-aprssig-842K@lists.tapr.org
Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

675. [aprssig] Re: Question about trackers?

From: Doug Bade <dbade@clecom.com>
Date: Thu, 20 Jun 2002 17:14:11 -0400
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-85941-2002.06.20-16.51.26--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

I suspect you will see widely divergent opinions on that interpretation,
however you are entitled to your opinion. I do not however agree...
Doug KB8GVQ

At 04:50 PM 6/20/02 -0400, Eric Christensen, KF4OTN wrote:
>OK, it is my interpretation that the control station for an APRS
>tracker would be considered an Auxiliary station. This is because it
>is a remote control station.
>
>Per 97.201(b): An auxiliary station may transmit only on the 1.25m
>and shorter wavelength bands, except the 219-220 MHz, 222.0 - 222.15
>MHz, 431-433 MHz and 435-438 MHz.
>
>Eric KF4OTN

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Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

676. [aprssig] Re: Question about trackers?

From: Doug Bade <doug@clecom.com>
Date: Thu, 20 Jun 2002 17:15:42 -0400
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-85942-2002.06.20-16.53.01--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

>I suspect you will see widely divergent opinions on that interpretation,
>however you are entitled to your opinion. I do not however agree...
>Doug KB8GVQ
>
>
>At 04:50 PM 6/20/02 -0400, Eric Christensen, KF4OTN wrote:
>>OK, it is my interpretation that the control station for an APRS
>>tracker would be considered an Auxiliary station. This is because it
>>is a remote control station.
>>
>>Per 97.201(b): An auxiliary station may transmit only on the 1.25m
>>and shorter wavelength bands, except the 219-220 MHz, 222.0 - 222.15
>>MHz, 431-433 MHz and 435-438 MHz.
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>>Eric KF4OTN

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Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

677. [aprssig] Re: Question about trackers?

From: "Ray McKnight - WB3ABN" <shortsheep@worldnet.att.net>
Date: Thu, 20 Jun 2002 14:19:50 -0700
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: <aprssig@tapr.org>
Message-ID: <LYR842-85943-2002.06.20-16.58.42--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

No, the definition of an auxiliarly station is OTHER than a message
forwarding system (digi, node, PBBS). The control station also is not
meeting the definition as it is not operating in cooperation with other
stations for the purposes of message relay using point-to-point links.

-----Original Message-----
From: bounce-aprssig-29143@lists.tapr.org
[mailto:bounce-aprssig-29143@lists.tapr.org] On Behalf Of Eric
Christensen, KF4OTN
Sent: Thursday, June 20, 2002 13:51
To: TAPR APRS Special Interest Group
Subject: [aprssig] Re: Question about trackers?

OK, it is my interpretation that the control station for an APRS
tracker would be considered an Auxiliary station. This is because it
is a remote control station.

Per 97.201(b): An auxiliary station may transmit only on the 1.25m
and shorter wavelength bands, except the 219-220 MHz, 222.0 - 222.15
MHz, 431-433 MHz and 435-438 MHz.

Eric KF4OTN

----- Original Message -----
From: "Doug Bade" <doug@clecom.com>
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Sent: Thursday, June 20, 2002 16:27
Subject: [aprssig] Re: Question about trackers?

That interpretation would make every 2 meter (or lower) digi in a
remote
location illegal on every packet freq. I do not beleive this to be
the case..
My recollection of that particular rule is relative to voice
repeaters, not
packet stations.
Doug KB8GVQ

At 02:00 PM 6/20/02 -0600, k5qq@juno.com wrote:

>But a more carefull reading of the rules indicates you need to have
the
>control
>on a frequency above the 2 meter band. Currently all remotely
controlled
>TNC's are remotely controlled via the radio they normally pass
traffic
>on. i.e.
>two meters.
>
>As a result, your argument is incorrect. You are not meeting the
rules.
> Your
>proposed operation is a violation of the rules.
>
>Jim

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---

678. [aprssig] Re: Question about trackers?

From: "Ronald Reams" <wa4mjf@worldnet.att.net>
Date: Thu, 20 Jun 2002 17:22:17 -0400
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-85944-2002.06.20-16.59.32--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

How about "present at the control point"?

I gather that means within an arm length or two.

Which could be at the transmitter, at the end of a wire line
control circuit and/or the control transmitter (above 222 MHz
as has been pointed out).

73 de Ronnie

----- Original Message -----
From: "Mike Yetsko" <myetsko@insydesw.com>
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Sent: Thursday, June 20, 2002 16:10
Subject: [aprssig] Re: Question about trackers?

Actually, the rules do NOT say that.

The rules say you must have a method for control.

IF you have and rely on a 'control channel', and IF that control channel
is on amateur frequencies, it must be above 222Mhz. It does NOT say
you CANNOT have control on the same or other frequencies. It does
NOT say you must have a control channel.

He would only be in violation of the rules IF he relied on that same
frequency for data as control, that frequency being below 222, and that
that frequency was the only method for control. It could always be
argued that it was NOT an unattended operation at that he could
designate another ham or personally terminate the operation. But
doing that, NO control channel would be needed. There is no rule
that specifies how close a control operator has to be to the device,
not how fast a control operator has to respond.

Mike

----- Original Message -----
From: <k5qq@juno.com>

```
>
> On Thu, 20 Jun 2002 09:12:35 -0400 "Wes Johnston" <wes@johnston.net>
> writes:
> > Because you can log into them remotely and shut them off if needed.
> > ......
> >and you  have can remotely shut down or turn on the transmitter
> >(another part of 97.).
>
> But a more carefull reading of the rules indicates you need to have the
> control
> on a frequency above the 2 meter band.  Currently all remotely
controlled
> TNC's are remotely controlled via the radio they normally pass traffic
> on. i.e.
> two meters.
>
> As a result, your argument is incorrect.   You are not meeting the
rules.
>  Your
> proposed operation is a violation of the rules.
>
> Jim
>
```

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Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

679. [aprssig] Re: Question about trackers?

From: "Ronald Reams" <wa4mjf@worldnet.att.net>
Date: Thu, 20 Jun 2002 17:23:23 -0400
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-85945-2002.06.20-17.00.35--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

It actually applies to any remote control operation.

73 de Ronnie

----- Original Message -----
From: "Doug Bade" <doug@clecom.com>
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Sent: Thursday, June 20, 2002 16:27
Subject: [aprssig] Re: Question about trackers?

That interpretation would make every 2 meter (or lower) digi in a remote location illegal on every packet freq. I do not beleive this to be the case..
My recollection of that particular rule is relative to voice repeaters, not packet stations.
Doug KB8GVQ

At 02:00 PM 6/20/02 -0600, k5qq@juno.com wrote:

>But a more carefull reading of the rules indicates you need to have the
>control
>on a frequency above the 2 meter band. Currently all remotely controlled
>TNC's are remotely controlled via the radio they normally pass traffic
>on. i.e.
>two meters.
>
>As a result, your argument is incorrect.   You are not meeting the rules.
> Your
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>Jim

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680. [aprssig] Re: Question about trackers?

From: "Ronald Reams" <wa4mjf@worldnet.att.net>
Date: Thu, 20 Jun 2002 17:26:24 -0400
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-85946-2002.06.20-17.03.39--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

It is just an amateur station, not an auxiliary station, Eric

Better read the definitions again :-)

Let's remember and don't forget, that the original post
said that a ham was already on the vehicle. They're just tryin'
to avoid havin' to call him on voice all the time to ask him where
he is.

73 de Ronnie

----- Original Message -----
From: "Eric Christensen, KF4OTN" <kf4otn@cox.net>
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Sent: Thursday, June 20, 2002 16:50
Subject: [aprssig] Re: Question about trackers?

OK, it is my interpretation that the control station for an APRS tracker would be considered an Auxiliary station. This is because it is a remote control station.

Per 97.201(b): An auxiliary station may transmit only on the 1.25m and shorter wavelength bands, except the 219-220 MHz, 222.0 - 222.15 MHz, 431-433 MHz and 435-438 MHz.

Eric KF4OTN

----- Original Message -----
From: "Doug Bade" <doug@clecom.com>

To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Sent: Thursday, June 20, 2002 16:27
Subject: [aprssig] Re: Question about trackers?

That interpretation would make every 2 meter (or lower) digi in a
remote
location illegal on every packet freq. I do not beleive this to be
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---

681. [aprssig] Re: Question about trackers?

From: "Eric Christensen, KF4OTN" <kf4otn@cox.net>
Date: Thu, 20 Jun 2002 17:29:34 -0400
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-85947-2002.06.20-17.06.56--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Auxiliary stations...
Remote control (or "telecommand") of a station, where a radio link
transmits DTMF tones, for example, to another station to change its
operating parameters, turn it on or off, change frequencies or power
or rotate antennas. These are considered to be "primary" controls
available only to designated control operator(s).

--- The ARRL's FCC Rule Book.

----- Original Message -----
From: "Ray McKnight - WB3ABN" <shortsheep@worldnet.att.net>
To: "'Eric Christensen, KF4OTN'" <kf4otn@cox.net>
Cc: <aprssig@tapr.org>
Sent: Thursday, June 20, 2002 17:19
Subject: RE: [aprssig] Re: Question about trackers?

No, the definition of an auxiliarly station is OTHER than a message
forwarding system (digi, node, PBBS). The control station also is
not
meeting the definition as it is not operating in cooperation with
other
stations for the purposes of message relay using point-to-point
links.

-----Original Message-----
From: bounce-aprssig-29143@lists.tapr.org
[mailto:bounce-aprssig-29143@lists.tapr.org] On Behalf Of Eric
Christensen, KF4OTN
Sent: Thursday, June 20, 2002 13:51
To: TAPR APRS Special Interest Group
Subject: [aprssig] Re: Question about trackers?

OK, it is my interpretation that the control station for an APRS
tracker would be considered an Auxiliary station. This is because it
is a remote control station.

Per 97.201(b): An auxiliary station may transmit only on the 1.25m
and shorter wavelength bands, except the 219-220 MHz, 222.0 - 222.15
MHz, 431-433 MHz and 435-438 MHz.

Eric KF4OTN

----- Original Message -----
From: "Doug Bade" <doug@clecom.com>
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>

Sent: Thursday, June 20, 2002 16:27
Subject: [aprssig] Re: Question about trackers?

That interpretation would make every 2 meter (or lower) digi in a
remote
location illegal on every packet freq. I do not beleive this to be
the case..
My recollection of that particular rule is relative to voice
repeaters, not
packet stations.
Doug KB8GVQ

At 02:00 PM 6/20/02 -0600, k5qq@juno.com wrote:

>But a more carefull reading of the rules indicates you need to have
the
>control
>on a frequency above the 2 meter band. Currently all remotely
controlled
>TNC's are remotely controlled via the radio they normally pass
traffic
>on. i.e.
>two meters.
>
>As a result, your argument is incorrect.   You are not meeting the
rules.
> Your
>proposed operation is a violation of the rules.
>
>Jim

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Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

682. [aprssig] Re: Question about trackers?

From: "Eric Christensen, KF4OTN" <kf4otn@cox.net>
Date: Thu, 20 Jun 2002 17:31:40 -0400
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-85948-2002.06.20-17.11.31--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

If a ham is on the vehicle and they don't want to call him all the
time, then throw an APRS tracker on the vehicle. If you are
concerned about controlling the radio, then educate that ham on how
to turn the radio on and off. There shouldn't be any problem.

Eric KF4OTN

----- Original Message -----

From: "Ronald Reams" <wa4mjf@worldnet.att.net>
To: "Eric Christensen, KF4OTN" <kf4otn@cox.net>; "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Sent: Thursday, June 20, 2002 17:26
Subject: Re: [aprssig] Re: Question about trackers?

It is just an amateur station, not an auxiliary station, Eric

Better read the definitions again :-)

Let's remember and don't forget, that the original post said that a ham was already on the vehicle. They're just tryin' to avoid havin' to call him on voice all the time to ask him where he is.

73 de Ronnie

----- Original Message -----
From: "Eric Christensen, KF4OTN" <kf4otn@cox.net>
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Sent: Thursday, June 20, 2002 16:50
Subject: [aprssig] Re: Question about trackers?

OK, it is my interpretation that the control station for an APRS tracker would be considered an Auxiliary station. This is because it is a remote control station.

Per 97.201(b): An auxiliary station may transmit only on the 1.25m and shorter wavelength bands, except the 219-220 MHz, 222.0 - 222.15 MHz, 431-433 MHz and 435-438 MHz.

Eric KF4OTN

----- Original Message -----
From: "Doug Bade" <doug@clecom.com>
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Sent: Thursday, June 20, 2002 16:27
Subject: [aprssig] Re: Question about trackers?

That interpretation would make every 2 meter (or lower) digi in a
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location illegal on every packet freq. I do not beleive this to be
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My recollection of that particular rule is relative to voice
repeaters, not
packet stations.
Doug KB8GVQ

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Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

683. [aprssig] Re: Question about trackers?

From: "Ronald Reams" <wa4mjf@worldnet.att.net>
Date: Thu, 20 Jun 2002 17:33:45 -0400
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-85949-2002.06.20-17.12.18--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

By golly, I think you got it!!!!

----- Original Message -----
From: "Eric Christensen, KF4OTN" <kf4otn@cox.net>
To: "Ronald Reams" <wa4mjf@worldnet.att.net>; "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Sent: Thursday, June 20, 2002 17:31
Subject: Re: [aprssig] Re: Question about trackers?

If a ham is on the vehicle and they don't want to call him all the
time, then throw an APRS tracker on the vehicle. If you are
concerned about controlling the radio, then educate that ham on how
to turn the radio on and off. There shouldn't be any problem.

Eric KF4OTN

----- Original Message -----
From: "Ronald Reams" <wa4mjf@worldnet.att.net>
To: "Eric Christensen, KF4OTN" <kf4otn@cox.net>; "TAPR APRS Special
Interest Group" <aprssig@lists.tapr.org>
Sent: Thursday, June 20, 2002 17:26
Subject: Re: [aprssig] Re: Question about trackers?

It is just an amateur station, not an auxiliary station, Eric

Better read the definitions again :-)

Let's remember and don't forget, that the original post
said that a ham was already on the vehicle. They're just tryin'
to avoid havin' to call him on voice all the time to ask him where
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73 de Ronnie

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684. [aprssig] Re: Question about trackers?

From: "Eric Christensen, KF4OTN" <kf4otn@cox.net>
Date: Thu, 20 Jun 2002 17:34:03 -0400
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-85950-2002.06.20-17.16.07--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Ummm... There are auxiliary station in amateur radio... That is how
you control a repeater, bring in the voices from remote receivers,
utilize remote bases... all auxiliary stations.

Eric

----- Original Message -----
From: "Ronald Reams" <wa4mjf@worldnet.att.net>
To: "Eric Christensen, KF4OTN" <kf4otn@cox.net>; "TAPR APRS Special
Interest Group" <aprssig@lists.tapr.org>
Sent: Thursday, June 20, 2002 17:26
Subject: Re: [aprssig] Re: Question about trackers?

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to avoid havin' to call him on voice all the time to ask him where
he is.

73 de Ronnie

----- Original Message -----
From: "Eric Christensen, KF4OTN" <kf4otn@cox.net>

To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Sent: Thursday, June 20, 2002 16:50
Subject: [aprssig] Re: Question about trackers?

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Eric KF4OTN

----- Original Message -----
From: "Doug Bade" <doug@clecom.com>
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Sent: Thursday, June 20, 2002 16:27
Subject: [aprssig] Re: Question about trackers?

That interpretation would make every 2 meter (or lower) digi in a
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location illegal on every packet freq. I do not beleive this to be
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---

685. [aprssig] Re: Question about trackers?

From: "Ronald Reams" <wa4mjf@worldnet.att.net>
Date: Thu, 20 Jun 2002 17:41:53 -0400
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: "APRS Sig" <aprssig@lists.tapr.org>
Message-ID: <LYR842-85952-2002.06.20-17.24.11--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

There are lotsa Rube Goldbergs out there
that
wanna make the simplest thing hard...

All y'all will find that mindset in all sorta things.

73 de Ronnie

----- Original Message -----
From: "Eric Christensen, KF4OTN" <kf4otn@cox.net>
To: "Ronald Reams" <wa4mjf@worldnet.att.net>
Sent: Thursday, June 20, 2002 17:34
Subject: Re: [aprssig] Re: Question about trackers?

I don't understand what was so hard about that... Where did we get into all the remotes and etc?

----- Original Message -----
From: "Ronald Reams" <wa4mjf@worldnet.att.net>
To: "Eric Christensen, KF4OTN" <kf4otn@cox.net>; "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Sent: Thursday, June 20, 2002 17:33
Subject: Re: [aprssig] Re: Question about trackers?

By golly, I think you got it!!!!

----- Original Message -----
From: "Eric Christensen, KF4OTN" <kf4otn@cox.net>
To: "Ronald Reams" <wa4mjf@worldnet.att.net>; "TAPR APRS Special
Interest
Group" <aprssig@lists.tapr.org>
Sent: Thursday, June 20, 2002 17:31
Subject: Re: [aprssig] Re: Question about trackers?

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Eric KF4OTN

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Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

686. [aprssig] Re: Question about trackers?

From: "Ronald Reams" <wa4mjf@worldnet.att.net>
Date: Thu, 20 Jun 2002 17:36:34 -0400
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-85953-2002.06.20-17.24.42--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

yep, but a tracker ain't one of 'um....

----- Original Message -----
From: "Eric Christensen, KF4OTN" <kf4otn@cox.net>
To: "Ronald Reams" <wa4mjf@worldnet.att.net>; "TAPR APRS Special Interest
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Sent: Thursday, June 20, 2002 17:34
Subject: Re: [aprssig] Re: Question about trackers?

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Eric

----- Original Message -----
From: "Ronald Reams" <wa4mjf@worldnet.att.net>
To: "Eric Christensen, KF4OTN" <kf4otn@cox.net>; "TAPR APRS Special
Interest Group" <aprssig@lists.tapr.org>
Sent: Thursday, June 20, 2002 17:26
Subject: Re: [aprssig] Re: Question about trackers?

It is just an amateur station, not an auxiliary station, Eric

Better read the definitions again :-)

Let's remember and don't forget, that the original post said that a ham was already on the vehicle. They're just tryin' to avoid havin' to call him on voice all the time to ask him where he is.

73 de Ronnie

Eric KF4OTN

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Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

687. [aprssig] Re: Question about trackers?

From: "Eric Christensen, KF4OTN" <kf4otn@cox.net>
Date: Thu, 20 Jun 2002 17:38:01 -0400
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-85954-2002.06.20-17.25.10--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

The tracker isn't... BUT, a control channel to remotely turn it off
IS!

----- Original Message -----
From: "Ronald Reams" <wa4mjf@worldnet.att.net>
To: "Eric Christensen, KF4OTN" <kf4otn@cox.net>; "TAPR APRS Special
Interest Group" <aprssig@lists.tapr.org>
Sent: Thursday, June 20, 2002 17:36
Subject: Re: [aprssig] Re: Question about trackers?

yep, but a tracker ain't one of 'um....

----- Original Message -----
From: "Eric Christensen, KF4OTN" <kf4otn@cox.net>
To: "Ronald Reams" <wa4mjf@worldnet.att.net>; "TAPR APRS Special
Interest
Group" <aprssig@lists.tapr.org>
Sent: Thursday, June 20, 2002 17:34
Subject: Re: [aprssig] Re: Question about trackers?

Ummm... There are auxiliary station in amateur radio... That is how
you control a repeater, bring in the voices from remote receivers,
utilize remote bases... all auxiliary stations.

Eric

----- Original Message -----
From: "Ronald Reams" <wa4mjf@worldnet.att.net>
To: "Eric Christensen, KF4OTN" <kf4otn@cox.net>; "TAPR APRS Special
Interest Group" <aprssig@lists.tapr.org>
Sent: Thursday, June 20, 2002 17:26
Subject: Re: [aprssig] Re: Question about trackers?

It is just an amateur station, not an auxiliary station, Eric

Better read the definitions again :-)

Let's remember and don't forget, that the original post
said that a ham was already on the vehicle. They're just tryin'
to avoid havin' to call him on voice all the time to ask him where
he is.

73 de Ronnie

Eric KF4OTN

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688. [aprssig] Re: Question about trackers?

From: "Ronald Reams" <wa4mjf@worldnet.att.net>
Date: Thu, 20 Jun 2002 18:07:58 -0400
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-85955-2002.06.20-17.47.46--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Well, Eric, that's where you get in trouble takin' someones
interpretation for the rule, instead readin' the rule itself.

Part 97.3 Definitions.
(a) The definitions of terms used in Part 97 are:
....
(7) Auxiliary station. An amatuer station, other than in a
message forwarding system, that is transmitting communications
point-to-point within a system of cooperating amateur stations.

73 de Ronnie

----- Original Message -----
From: "Eric Christensen, KF4OTN" <kf4otn@cox.net>
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Sent: Thursday, June 20, 2002 17:29
Subject: [aprssig] Re: Question about trackers?

Auxiliary stations...
Remote control (or "telecommand") of a station, where a radio link
transmits DTMF tones, for example, to another station to change its
operating parameters, turn it on or off, change frequencies or power
or rotate antennas. These are considered to be "primary" controls
available only to designated control operator(s).

--- The ARRL's FCC Rule Book.

----- Original Message -----
From: "Ray McKnight - WB3ABN" <shortsheep@worldnet.att.net>
To: "'Eric Christensen, KF4OTN'" <kf4otn@cox.net>
Cc: <aprssig@tapr.org>
Sent: Thursday, June 20, 2002 17:19
Subject: RE: [aprssig] Re: Question about trackers?

No, the definition of an auxiliarly station is OTHER than a message
forwarding system (digi, node, PBBS). The control station also is
not
meeting the definition as it is not operating in cooperation with
other
stations for the purposes of message relay using point-to-point
links.

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689. [aprssig] APRSERVE.TXT

From: "Mark L. Elliott" <marklelliott@insightbb.com>
Date: Thu, 20 Jun 2002 17:21:25 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-85956-2002.06.20-18.00.13--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Could someone send me the current (up-to-date) aprserve.txt file. Most on
my list do not respond.

Thanks in Advance!

Mark N9WST

PS: If this is posted somewhere on the Internet, just point me to it......

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Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

690. [aprssig] Re: Question about trackers?

From: Matt Steinhoff <mls@steinhoff.net>
Date: Thu, 20 Jun 2002 18:57:24 -0400
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: aprssig@lists.tapr.org
Message-ID: <LYR842-85957-2002.06.20-18.34.41--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

> From: "Ronald Reams" <wa4mjf@worldnet.att.net>
> Well, Eric, that's where you get in trouble takin' someones
> interpretation for the rule, instead readin' the rule itself.

As part of my schooling and continuing education, I have had to take a few law courses. Two of the few things I remember that seem appropriate here are:

1. there are no laws only interpretations of laws
2. unenforced law is no law

Toward item one, we could read part 97 for weeks on end (and it seems some here have) and debate what it *really* means but that isn't going to get us anywhere. The words aren't nearly as meaningfully as how they have been interpreted by the FCC not your friendly neighborhood lid.

And that is a good segue into item two. I can't find a single instance of the FCC sending a single enforcement letter related to APRS.
Obviously, the FCC knows that trackers are in balloons. Obviously the FCC knows that a plane without a license ham carried a tracker across the country. Obviously the FCC knows that some cars/vans in some public service events driven by non-hams are carrying trackers.
Obvious, why? Because in every one of the above cases a concerned ham (and probably a few dozen lids; the two are not always synonymous) has contacted the FCC to report the event. Besides that, many if not all these have been written up on ARRL's web site or in QST.

The FCC doesn't have a problem with trackers either through their interpretation of part 97 or simply lack of enforcement action.

Further, if you have a differing view about trackers, don't bother posting it to this list. We've seen it before. If you're new to the list, read the archives to see for yourself. In more than a year of reading this list, I have not seen one person's mind changed on this issue.

Matt (k4mls)

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691. [aprssig] Re: Question about trackers?

From: "Ronald Reams" <wa4mjf@worldnet.att.net>
Date: Thu, 20 Jun 2002 19:11:25 -0400
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: <aprssig@lists.tapr.org>
Message-ID: <LYR842-85961-2002.06.20-18.48.33--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Well, my view is that a tracker is not
an auxiliary station per Part 97.

If you think so, Matt, I shan't try to change your mind.

BTW, is that a vanity call or are you really an
ole fart :-)

73 de Ronnie

----- Original Message -----
From: "Matt Steinhoff" <mls@steinhoff.net>
To: <wa4mjf@worldnet.att.net>
Cc: <aprssig@lists.tapr.org>
Sent: Thursday, June 20, 2002 18:57
Subject: Re: [aprssig] Re: Question about trackers?

> From: "Ronald Reams" <wa4mjf@worldnet.att.net>
> Well, Eric, that's where you get in trouble takin' someones
> interpretation for the rule, instead readin' the rule itself.

As part of my schooling and continuing education, I have had to take a few law courses. Two of the few things I remember that seem appropriate here are:

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2. unenforced law is no law

Toward item one, we could read part 97 for weeks on end (and it seems some here have) and debate what it *really* means but that isn't going to get us anywhere. The words aren't nearly as meaningfully as how they have been interpreted by the FCC not your friendly neighborhood lid.

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Obvious, why? Because in every one of the above cases a concerned ham (and probably a few dozen lids; the two are not always synonymous) has contacted the FCC to report the event. Besides that, many if not all these have been written up on ARRL's web site or in QST.

The FCC doesn't have a problem with trackers either through their interpretation of part 97 or simply lack of enforcement action.

Further, if you have a differing view about trackers, don't bother posting it to this list. We've seen it before. If you're new to the list, read the archives to see for yourself. In more than a year of reading this list, I have not seen one person's mind changed on this issue.

Matt (k4mls)

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692. [aprssig] Re: Question about trackers?

From: Matt Steinhoff <mls@steinhoff.net>
Date: Thu, 20 Jun 2002 21:29:25 -0400
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: aprssig@lists.tapr.org
Message-ID: <LYR842-85983-2002.06.20-21.06.41--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

> From: "Ronald Reams" <wa4mjf@worldnet.att.net>
> BTW, is that a vanity call or are you really an ole fart :-)

It's a vanity call *and* I'm an old fart. {grin}

Matt (k4mls)

    (By the way, I wasn't directing that at you
specifically. You just happened to be they person
I replied to when I had finally had enough.)

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---

693. [aprssig] Re: Question about trackers?

From: "Mike Yetsko" <myetsko@insydesw.com>
Date: Thu, 20 Jun 2002 21:30:03 -0400
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-85985-2002.06.20-21.09.10--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

>   In more than a year of reading this list, I have
> not seen one person's mind changed on this issue.
>
>   Matt (k4mls)

You know, THAT may be the defining statement about this thread!

Mike

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Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

---

694. [aprssig] Re: Question about trackers?

From: "Ronald Reams" <wa4mjf@worldnet.att.net>
Date: Thu, 20 Jun 2002 21:35:33 -0400
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: "APRS Sig" <aprssig@lists.tapr.org>
Message-ID: <LYR842-85986-2002.06.20-21.12.41--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Well, I an ole fart, too....

My call is 1963 vintage....

hee-hee

73 de Ronnie

----- Original Message -----
From: "Matt Steinhoff" <mls@steinhoff.net>
To: <mls@steinhoff.net>; <wa4mjf@worldnet.att.net>
Cc: <aprssig@lists.tapr.org>
Sent: Thursday, June 20, 2002 21:29
Subject: Re: [aprssig] Re: Question about trackers?

> From: "Ronald Reams" <wa4mjf@worldnet.att.net>
> BTW, is that a vanity call or are you really an ole fart :-)

    It's a vanity call *and* I'm an old fart. {grin}

    Matt (k4mls)

    (By the way, I wasn't directing that at you
specifically. You just happened to be they person
I replied to when I had finally had enough.)

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695. [aprssig] RE: REgistering PMAP.OCX in WinAPRS

From: Earl Needham <needhame@yucca.net>
Date: Thu, 20 Jun 2002 20:12:50 -0600
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-85990-2002.06.20-21.50.11--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

```
At 08:06 AM 6/20/2002 -0500, Bill Diaz wrote:
>Earl,
>   The error you described may be encountered when Regsvr32 cannot find
> the file passed as an argument.

         Bill, what ELSE could cause it?  All the files are in the
c:\windows directory, and I've gone so far as to click-and-drag the
mapocx.ocx onto regsvr32.exe and I get similar errors.  The same, really,
except the error message gives me different numbers occasionally.

         Thanks,
         Earl

>The command RegSvr32 MapOCX.OCX  will successfully register the OCX if the
>OCX is in the \Windows directory.
>
>The command line RegSvr32 C:\WinAPRS will register an OCX found in the
>WinAprs directory on drive C:
>
>If the OCX is in a directory whose name contains a space, try enclosing
>the path in double quotes : RegSvr32 "C:\My WinAprs\MapOCX.OCX"
>
>Bill KC9XG
>
>On Wednesday, June 19, 2002 22:42, Earl Needham [SMTP:needhame@yucca.net]
>wrote:
> >
> >       I have my friends laptop over here, trying to get WinAPRS 2.5.0
> to work
> > with PM 3.0.  Running the pmapocx,bat batch file, all files seem to copy
> > OK, but REGSVR32 gives me an error:
> >
> >       LoadLibrary ("MAPOCX.OCX") failed.
> >       GetLastError returns 0x00000002.
> >
> >
> >       Any ideas how to fix this?  The laptop is running W95, BTW.
> >
> >       Tnx es 7 3
> >       Earl



---
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Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org
```

---

696. [aprssig] Re: how does EMAIL from APRS work?

From: "Dave Thege" <dthege@ncfcomm.com>
Date: Thu, 20 Jun 2002 21:48:12 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-85993-2002.06.20-22.23.12--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

```
Do you get an acknowledgement back if the I-gate hears it? How do you know
if your msg made it other than a reply from the receiving party?
Dave N0XBN
----- Original Message -----
From: "Eric Christensen, KF4OTN" <kf4otn@cox.net>
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Sent: Thursday, June 20, 2002 3:03 PM
Subject: [aprssig] Re: how does EMAIL from APRS work?


> Send a message to EMAIL.  At the beginning of the message put the
> email address in which you want the message to be delivered.  After
> the email address, SPACE, then the message.  Your packet must be
> heard by an IGATE.
>
> 73s,
> Eric KF4OTN
```

```
>
>
> ----- Original Message -----
> From: "Bob K8YS & Janet N8LBR" <jbcraft@adelphia.net>
> To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
> Sent: Thursday, June 20, 2002 15:55
> Subject: [aprssig] how does EMAIL from APRS work?
>
>
> I remember hearing that you can EMAIL from 2meters via the
> network.... how
> does that work?
>
> Bob
>
>
> ---
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> wa1lou@tapr.org
>
>
>
>
>
> ---
> You are currently subscribed to aprssig as: dthege@ncfcomm.com
> To unsubscribe send a blank email to leave-aprssig-842K@lists.tapr.org
> Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org
>
>


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```

697. [aprssig] Re: Question about trackers?

From: k5qq@juno.com
Date: Thu, 20 Jun 2002 20:44:16 -0600
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: aprssig@lists.tapr.org
Message-ID: <LYR842-85995-2002.06.20-22.24.33--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

```
On Fri, 21 Jun 2002 02:18:59 +0000 (US/Eastern) bob <mail@usna.edu>
writes:
> > But a more carefull reading of the rules indicates you need to
> have the
> > control on a frequency above the 2 meter band.  Currently all
> remotely
> > controlled TNC's are remotely controlled via the radio they
> normally
> > pass traffic on. i.e.  two meters.
> >
> > As a result, your argument is incorrect.   You are not meeting the
> rules.
> >  Your proposed operation is a violation of the rules.
>
> I can see the logic there, but it makes no common sense.  There is
> no
> requirement to have a radio link to command a tracker.  The manual
> on/off
> switch will work just as well.



Hi Bob

Nice to hear from you.

Your practical answer for hams operating someone else's tracker is
obviously true.

However this discussion is about trackers that are
not accessible, e.g, Balloon flights, etc.  Of course the hidden
```

question is what about putting a unit in the vehicle of an operator
who is not a ham and would not necessarily know or want to get
involved in turning it off. i.e. a public service vehicle, a marathon,
a gas balloon flight, all of these applications folks are
interested in doing and yet not losing their licenses.

Jim

____
GET INTERNET ACCESS FROM JUNO!
Juno offers FREE or PREMIUM Internet access for less!
Join Juno today! For your FREE software, visit:
http://dl.www.juno.com/get/web/.

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Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

---

698. [aprssig] RE: REgistering PMAP.OCX in WinAPRS

From: Bill Diaz <william.diaz@attbi.com>
Date: Thu, 20 Jun 2002 22:09:42 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-85998-2002.06.20-22.47.03--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Earl,

See below:

On Thursday, June 20, 2002 21:13, Earl Needham [SMTP:needhame@yucca.net]
wrote:
> At 08:06 AM 6/20/2002 -0500, Bill Diaz wrote:
> >Earl,
> >   The error you described may be encountered when Regsvr32 cannot find
> > the file passed as an argument.

>   Bill, what ELSE could cause it? All the files are in the
> c:\windows directory, and I've gone so far as to click-and-drag the
> mapocx.ocx onto regsvr32.exe and I get similar errors. The same, really,

> except the error message gives me different numbers occasionally.

You may have a corrupt MapOCX.OCX file. The file should be 934,912 bytes.
 Right click on the file in windows explorer and examine the properties.
 Should be file version 1.4.8 I think. Can't recall if there were other
versions distributed. You might want to download another copy of the
MapOCX.OCX and try again.

Try Regsvr32 -u MapOCX.OCX. This will unregister any previous MapOCX
registration. Then try registering the newly downloaded MapOCX.OCX file.

Bill KC9XG

>   Thanks,
>   Earl
>
> >The command RegSvr32 MapOCX.OCX will successfully register the OCX if
the
> >OCX is in the \Windows directory.
> >
> >The command line RegSvr32 C:\WinAPRS will register an OCX found in the
> >WinAprs directory on drive C:
> >
> >If the OCX is in a directory whose name contains a space, try enclosing
> >the path in double quotes : RegSvr32 "C:\My WinAprs\MapOCX.OCX"
> >
> >Bill KC9XG
> >
> >On Wednesday, June 19, 2002 22:42, Earl Needham
[SMTP:needhame@yucca.net]
> >wrote:
> > >
> > >   I have my friends laptop over here, trying to get WinAPRS 2.5.0

> > to work

```
> > > with PM 3.0.  Running the pmapocx,bat batch file, all files seem to
copy
> > > OK, but REGSVR32 gives me an error:
> > >
> > >       LoadLibrary ("MAPOCX.OCX") failed.
> > >       GetLastError returns 0x00000002.
> > >
> > >
> > >       Any ideas how to fix this?  The laptop is running W95, BTW.
> > >
> > >       Tnx es 7 3
> > >       Earl
>
>
>
> ---
> You are currently subscribed to aprssig as: kc9xg@attbi.com
> To unsubscribe send a blank email to leave-aprssig-842K@lists.tapr.org
> Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

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To unsubscribe send a blank email to leave-aprssig-842K@lists.tapr.org
Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org
```

699. [aprssig] RE: REgistering PMAP.OCX in WinAPRS

From: Earl Needham <needhame@yucca.net>
Date: Thu, 20 Jun 2002 21:28:42 -0600
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-86006-2002.06.20-23.08.10--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

```
At 10:09 PM 6/20/2002 -0500, Bill Diaz wrote:
><snip>
>You may have a corrupt MapOCX.OCX file.  The file should be 934,912 bytes.
>  Right click on the file in windows explorer and examine the properties.
>  Should be file version 1.4.8 I think.

         All verified.

>   Can't recall if there were other
>versions distributed.  You might want to download another copy of the
>MapOCX.OCX and try again.
>
>Try Regsvr32 -u MapOCX.OCX.  This will unregister any previous MapOCX
>registration.  Then try registering the newly downloaded MapOCX.OCX file.


         Got the same error (on both operations), using the good working
copy from my main machine.

         Let me ask -- the laptop is running W95 (4.00.950a).  Will the ocx
work with this version of W95?  Or does something need to be updated?

         Thanks again,
         Earl


Earl Needham, KD5XB, Clovis, New Mexico  DM84jk
KD5XB-2>APW251,PCSAT-1*:=3425.83N/10313.55W-PHG7150/WinAPRS 2.5.1
-EARL_CLOVIS -251-<630>
Did you get a letter from Nigeria offering a "deal"?  See
http://home.rica.net/alphae/419coal/ and
http://www.crimes-of-persuasion.com/Crimes/Business/nigerian.htm


---
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Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org
```

700. [aprssig] Q: geographical filtering of posits with aprsd

From: Daniel Wesemann <hb9zig_aprssig@cerveza.ch>
Date: Fri, 21 Jun 2002 12:08:22 +0200 (MEST)
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-86036-2002.06.21-05.45.40--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

i'm planning to extend APRSD with some geographical filtering... I would
like to "split up" the global IGATE feed as follows

- posits originating locally on the digi
- posits originating within (approx) the boundaries of switzerland
- posits originating within (approx) the boundaries of europe
- the full feed

and make each of these available on a separate port.

the first and last function is no problem and supported with aprsd by
default. for the other two, i would need some sort of geographical
filtering on the posit reports. i'm quite sure that this has already been
done - i just need to find out where and how :-)

any hint would be appreciated.
thanks && best regards,
-daniel, hb9zig

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701. [aprssig] Todays balloon flight

From: "Craig Brunson" <Brunson1@gte.net>
Date: Fri, 21 Jun 2002 03:10:28 -0700
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: "Murai, Koh" <ltakoh@att.net>, "Moody, Bob" <Bob@gsslinc.com>
Message-ID: <LYR842-86038-2002.06.21-05.47.59--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

these are the links to Friday's balloon flight.

KB0TVJ-11

http://www.findu.com/cgi-bin/rawposit.cgi?call=kb0tvj-11&start=500&length=50
0
http://www3.findu.com/cgi-bin/track.cgi?call=kb0tvj-11
http://www.findu.com/cgi-bin/rawposit.cgi?call=kd4sth-11&start=48&length=24
http://www.canaprs.net/locate/kb0tvj-11

Craig

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702. [aprssig] Re: Question about trackers?

From: "Ronald Reams" <wa4mjf@worldnet.att.net>
Date: Fri, 21 Jun 2002 06:37:44 -0400
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: <aprssig@lists.tapr.org>
Message-ID: <LYR842-86040-2002.06.21-06.14.52--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

I am confused then (not unusual), I thought it was about
someone at the Haynie Fire in CO that wanted to keep track of a vehicle,
without havin' to call the ham all the time via coice.

Ballons were a red herrin' (that is somethin' fishy(
thrown out about remote control of trackers,
which have nothin'
to do with the fire, except for the obvvious hot air :-)

73 de Ronnie

----- Original Message -----
From: <k5qq@juno.com>
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: <aprssig@lists.tapr.org>
Sent: Thursday, June 20, 2002 22:44
Subject: [aprssig] Re: Question about trackers?

On Fri, 21 Jun 2002 02:18:59 +0000 (US/Eastern) bob <mail@usna.edu>
writes:
> > But a more carefull reading of the rules indicates you need to
> have the
> > control on a frequency above the 2 meter band. Currently all
> remotely
> > controlled TNC's are remotely controlled via the radio they
> normally
> > pass traffic on. i.e. two meters.
> >
> > As a result, your argument is incorrect.   You are not meeting the
> rules.
> > Your proposed operation is a violation of the rules.
>
> I can see the logic there, but it makes no common sense. There is
> no
> requirement to have a radio link to command a tracker. The manual
> on/off
> switch will work just as well.

Hi Bob

Nice to hear from you.

Your practical answer for hams operating someone else's tracker is
obviously true.

However this discussion is about trackers that are
not accessible, e.g, Balloon flights, etc. Of course the hidden
question is what about putting a unit in the vehicle of an operator
who is not a ham and would not necessarily know or want to get
involved in turning it off. i.e. a public service vehicle, a marathon,
a gas balloon flight,   all of these applications folks are
interested in doing and yet not losing their licenses.

Jim

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Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

---

703. [aprssig] Re: Question about trackers?

From: "Ronald Reams" <wa4mjf@worldnet.att.net>
Date: Fri, 21 Jun 2002 06:39:27 -0400
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: <k5qq@juno.com>
Message-ID: <LYR842-86041-2002.06.21-06.16.43--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Corrected copy: voice vice coice in line three

----- Original Message -----
From: "Ronald Reams" <wa4mjf@worldnet.att.net>
To: <k5qq@juno.com>; "TAPR APRS Special Interest Group"
<aprssig@lists.tapr.org>
Cc: <aprssig@lists.tapr.org>
Sent: Friday, June 21, 2002 06:37
Subject: Re: [aprssig] Re: Question about trackers?

I am confused then (not unusual), I thought it was about
someone at the Haynie Fire in CO that wanted to keep track of a vehicle,
without havin' to call the ham all the time via voice.

Ballons were a red herrin' (that is somethin' fishy(
thrown out about remote control of trackers,
which have nothin'
to do with the fire, except for the obvvious hot air   :-)

73 de Ronnie

----- Original Message -----
From: <k5qq@juno.com>
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: <aprssig@lists.tapr.org>
Sent: Thursday, June 20, 2002 22:44
Subject: [aprssig] Re: Question about trackers?

On Fri, 21 Jun 2002 02:18:59 +0000 (US/Eastern) bob <mail@usna.edu>
writes:
> > But a more carefull reading of the rules indicates you need to
> have the
> > control on a frequency above the 2 meter band. Currently all
> remotely
> > controlled TNC's are remotely controlled via the radio they
> normally
> > pass traffic on. i.e. two meters.
> >
> > As a result, your argument is incorrect.   You are not meeting the
> rules.
> > Your proposed operation is a violation of the rules.
>
> I can see the logic there, but it makes no common sense. There is
> no
> requirement to have a radio link to command a tracker. The manual
> on/off
> switch will work just as well.

Hi Bob

Nice to hear from you.

Your practical answer for hams operating someone else's tracker is
obviously true.

However this discussion is about trackers that are
not accessible, e.g, Balloon flights, etc. Of course the hidden
question is what about putting a unit in the vehicle of an operator
who is not a ham and would not necessarily know or want to get
involved in turning it off. i.e. a public service vehicle, a marathon,
a gas balloon flight,   all of these applications folks are
interested in doing and yet not losing their licenses.

Jim

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704. [aprssig] RE: REgistering PMAP.OCX in WinAPRS

From: Bill Diaz <william.diaz@attbi.com>
Date: Fri, 21 Jun 2002 06:12:42 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-86042-2002.06.21-06.50.08--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Earl,

On Thursday, June 20, 2002 22:29, Earl Needham [SMTP:needhame@yucca.net] wrote:
> At 10:09 PM 6/20/2002 -0500, Bill Diaz wrote:

> ><snip>
 SNIP
> >Try Regsvr32 -u MapOCX.OCX. This will unregister any previous MapOCX
> >registration. Then try registering the newly downloaded MapOCX.OCX file.
>

>   Got the same error (on both operations), using the good working
> copy from my main machine.

Do you have OC30.dll in the windows directory?

```
>
>         Let me ask -- the laptop is running W95 (4.00.950a).  Will the ocx
> work with this version of W95?  Or does something need to be updated?

Is this the latest version of Win95?  Latest patches etc.  How much memory is on the machine?

Bill KC9XG






>          Thanks again,
>          Earl
>
>
> Earl Needham, KD5XB, Clovis, New Mexico  DM84jk
> KD5XB-2>APW251,PCSAT-1*:=3425.83N/10313.55W-PHG7150/WinAPRS 2.5.1
> -EARL_CLOVIS -251-<630>
> Did you get a letter from Nigeria offering a "deal"?  See
> http://home.rica.net/alphae/419coal/ and
> http://www.crimes-of-persuasion.com/Crimes/Business/nigerian.htm
>
>
> ---
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```

---

705. [aprssig] Re: Re: Question about trackers?

From: k5qq@juno.com
Date: Fri, 21 Jun 2002 06:51:35 -0600
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: aprssig@lists.tapr.org
Message-ID: <LYR842-86051-2002.06.21-08.33.45--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

```
Ok,  Dave's letter is copied below

I read it as saying they want to put a tracker on a vehicle
so they don't have to have the ham in the vehicle to provide
commo on where the vehicle is.  The driver is not a ham.
(And it might turn out there are multiple operators as the
drivers go thru their shifts)

So we are back to the original question, Is this fish red?

Jim



On Fri, 21 Jun 2002 06:39:27 -0400 "Ronald Reams"
<wa4mjf@worldnet.att.net> writes:
>
> I am confused then (not unusual), I thought it was about
> someone at the Haynie Fire in CO that wanted to keep track of a
> vehicle, without havin' to call the ham all the time via voice.
>
>Ballons were a red herrin' ....................

---------Dave's Original message--------
Hello all,
   I mentioned to an ARES member that it would be nice to have some
trackers
so that they could be attached to vehicles that we wanted to track and
free
up a ham. We are currently supporting the Hayman fire. About 70% of the
net
time is finding out the current location of this person or this vehicle.
   His question is this legal? How is the best way to respond to him on
this?

Thanks & 73,
Dave N0EOP
```

```
-----------------------------------------

________________________________________________________________
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```

706. [aprssig] Re: Precission Maps 5.0 and WINAPRS 2.61

```
From: "Jim Cowell" <jc@warwick.net>
Date: Fri, 21 Jun 2002 7:59:48
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-86052-2002.06.21-08.37.08--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain
```

```
Thanks for all the help. It seems that something was missing from the
pmap50 directory on my hard drive. I copied it over from the cd and all is
working. Then I copied the state subdirectory and now I can run off the cd
or hard drive. Now all I need is a faster PC :>

---
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```

707. [aprssig] Re: Question about trackers?

```
From: Steve Dimse <k4hg@tapr.org>
Date: Fri, 21 Jun 2002 09:15:32 -0400
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: TAPR APRS Special Interest Group <aprssig@lists.tapr.org>,
        aprssig@lists.tapr.org
Message-ID: <LYR842-86055-2002.06.21-08.53.16--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain
```

```
On 6/21/02 6:51 AM, k5qq@juno.com wrote:

>I read it as saying they want to put a tracker on a vehicle
>so they don't have to have the ham in the vehicle to provide
>commo on where the vehicle is.  The driver is not a ham.
>(And it might turn out there are multiple operators as the
>drivers go thru their shifts)
>
>So we are back to the original question, Is this fish red?
>
It is fully legal under 97.221(b):

-------
(b) A station may be automatically controlled while transmitting a
RTTY or data emission on the 6 m or shorter wavelength bands, and on
the 28.120-28.189 MHz....
-------

An APRS tracker is an automatically controlled telemetry station,
therefore allowed to transmit one-way transmissions, and free of the
need for a control operator. The "devices and procedures for control
of a station when it is transmitting so that compliance with the FCC
Rules" are provided by the software in the tracker itself. It islegal
to put it in a balloon, in a car driven by your wife, non-hams, and
just about anything else (as long as it isn't the normal course of
your own business).

APRS has been around for nearly 10 years, running stand alone trackers
without control ops for almost as long. It is one of the biggest
activities in ham radio, and the FCC is most certainly aware of it. If
they had a problem with any aspect of APRS we would have heard about
it by now.

Can we put this to rest again (at least for 6 months until it
certainly will pop up again, as it has so many times in the past),
please???

Steve K4HG

---
```

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---

708. [aprssig] RE: REgistering PMAP.OCX in WinAPRS

From: Earl Needham <needhame@yucca.net>
Date: Fri, 21 Jun 2002 07:30:04 -0600
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: aprssig@lists.tapr.org
Message-ID: <LYR842-86058-2002.06.21-09.09.28--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

```
At 06:12 AM 6/21/2002 -0500, Bill Diaz wrote:
><snip>
>Do you have OC30.dll in the windows directory?

         Yes, it's there.

> >          Let me ask -- the laptop is running W95 (4.00.950a).  Will the
> ocx
> > work with this version of W95?  Or does something need to be updated?
>
>Is this the latest version of Win95?  Latest patches etc.  How much memory
>is on the machine?

         I can't answer on the patches, in fact, I think this is the early
version of W95.  It's pretty difficult to work with this laptop -- it
doesn't have a CD drive, so I can't load anything else on it without
resorting to floppy disks.

         RAM shows to be at 24 MB.

         I simply ran the batch file, text below:

>copy Regsvr32.exe c:\windows\system\Regsvr32.exe
>copy MAPOCX.OCX c:\windows\system\MAPOCX.OCX
>copy OC30.DLL c:\windows\system\OC30.DLL
>c:
>cd \windows\system
>Regsvr32 MAPOCX.OCX

         That should have everything in the right place, and I've verified
that everything IS in the right place.  The only question I can think of is
whether or not the OS on this laptop is recent enough to work.  What
version is required?

         Thanks once more!
         Earl


Earl Needham, KD5XB, Clovis, New Mexico  DM84jk
KD5XB-2>APW251,PCSAT-1*:=3425.83N/10313.55W-PHG7150/WinAPRS 2.5.1
-EARL_CLOVIS -251-<630>
Did you get a letter from Nigeria offering a "deal"?  See
http://home.rica.net/alphae/419coal/ and
http://www.crimes-of-persuasion.com/Crimes/Business/nigerian.htm


---
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```

---

709. [aprssig] RE: REgistering PMAP.OCX in WinAPRS

From: Bill Diaz <william.diaz@attbi.com>
Date: Fri, 21 Jun 2002 08:54:56 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: "aprssig@lists.tapr.org" <aprssig@lists.tapr.org>
Message-ID: <LYR842-86059-2002.06.21-09.32.31--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

```
Earl,


On Friday, June 21, 2002 08:30, Earl Needham [SMTP:needhame@yucca.net]
wrote:
> At 06:12 AM 6/21/2002 -0500, Bill Diaz wrote:
> ><snip>
SNIP
```

```
> >Is this the latest version of Win95?  Latest patches etc.  How much
memory
> >is on the machine?
>
>          I can't answer on the patches, in fact, I think this is the
early
> version of W95.  It's pretty difficult to work with this laptop -- it
> doesn't have a CD drive, so I can't load anything else on it without
> resorting to floppy disks.

>          RAM shows to be at 24 MB.
>
>          I simply ran the batch file, text below:

> >copy Regsvr32.exe c:\windows\system\Regsvr32.exe
> >copy MAPOCX.OCX c:\windows\system\MAPOCX.OCX
> >copy OC30.DLL c:\windows\system\OC30.DLL
> >c:
> >cd \windows\system
> >Regsvr32 MAPOCX.OCX

>          That should have everything in the right place, and I've
verified
> that everything IS in the right place.  The only question I can think of
is
> whether or not the OS on this laptop is recent enough to work.  What
> version is required?

One that works<g>. It appears that you have installed all of the files
required by the OCX.  I have used the OCX Win95 without problems.  Try
updating to the last published version of Windows 95 (B?) or install Win98
or later.

Bill KC9XG
>          Thanks once more!
>          Earl


---
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Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org
```

710. [aprssig] Re: APRSERVE.TXT

From: "Bill Guthrie" <willy3jax@telocity.com>
Date: Fri, 21 Jun 2002 10:05:07 -0400
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-86060-2002.06.21-09.37.30--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

```
I hope this helps. Also see link:  http://www.ahubswe.net/aprs_stat.asp
for addtional IP's.

Bill, KC4OUA


----- Original Message -----
From: "Mark L. Elliott" <marklelliott@insightbb.com>
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Sent: Thursday, June 20, 2002 6:21 PM
Subject: [aprssig] APRSERVE.TXT


> Could someone send me the current (up-to-date) aprserve.txt file.  Most on
> my list do not respond.
>
> Thanks in Advance!
>
> Mark N9WST
>
> PS:  If this is posted somewhere on the Internet, just point me to
it......
>
>
>
> ---
> You are currently subscribed to aprssig as: willy3jax@telocity.com
> To unsubscribe send a blank email to leave-aprssig-842K@lists.tapr.org
> Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org
```

>
>
[Attachment: aprserve.txt; text/plain; 1,839 bytes]

711. [aprssig] Re: Re: Question about trackers?

From: "Ronald Reams" <wa4mjf@worldnet.att.net>
Date: Fri, 21 Jun 2002 10:00:45 -0400
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: <aprssig@lists.tapr.org>
Message-ID: <LYR842-86061-2002.06.21-09.38.02--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Yeh, but since the ham is already there. You'd proably wanna
leave him/her there in case of an emergency (for example, they get cut off
by the fire) so he/she (not the pervert kind)
could get back on the air and keep the CP advised.

73 de Ronnie

----- Original Message -----
From: <k5qq@juno.com>
To: <wa4mjf@worldnet.att.net>
Cc: <aprssig@lists.tapr.org>
Sent: Friday, June 21, 2002 08:51
Subject: Re: [aprssig] Re: Question about trackers?

Ok, Dave's letter is copied below

I read it as saying they want to put a tracker on a vehicle
so they don't have to have the ham in the vehicle to provide
commo on where the vehicle is. The driver is not a ham.
(And it might turn out there are multiple operators as the
drivers go thru their shifts)

So we are back to the original question, Is this fish red?

Jim

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712. [aprssig] Re: Q: geographical filtering of posits with aprsd

From: "Curt Mills, WE7U" <hacker@tc.fluke.com>
Date: Fri, 21 Jun 2002 07:11:38 -0700 (PDT)
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: TAPR APRS Special Interest Group <aprssig@lists.tapr.org>
Message-ID: <LYR842-86062-2002.06.21-09.49.32--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

On Fri, 21 Jun 2002, Daniel Wesemann wrote:

> the first and last function is no problem and supported with aprsd by
> default. for the other two, i would need some sort of geographical
> filtering on the posit reports. i'm quite sure that this has already been
> done - i just need to find out where and how :-)

I think aprsd sources are GPL'ed just like Xastir, so you're quite
welcome to borrow from the Xastir sources. One warning though, we
translate lat/long into our own coordinate system, so that'll add to
the confusion factor. We have a function that will compute the
distance from my station, I think in util.c.

You could compute the distance for each station sending a posit. In
this case perhaps you could match up other messages (without a
posit) to the ones with, and then send them through. A better
method would be to hold off all posits that weren't in the area, but
send all status/messages/etc through. You could cache the distance
for a particular station to avoid a lot of the calculations. This
causes other problems if they're moving into/out of the area of
concern.

I suspect the above method will be too slow with a lot of traffic,
so you may just have to create a table of call prefixes, compare the

sending station to that table, and gate the ones through that you've
predetermined to be within the area of interest.

Curt Mills, WE7U   hacker.NO_*SPAM@tc.fluke.com
Senior Methods Engineer/SysAdmin
"Lotto: A tax on people who are bad at math." -- unknown
"Windows: Microsoft's tax on computer illiterates." -- WE7U

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Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

---

713. [aprssig] Re: Question about trackers?

From: "Roy Bost" <rbost@itexas.net>
Date: Fri, 21 Jun 2002 09:35:10 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-86063-2002.06.21-10.12.52--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Thought I'd re-post the original message....it appears very few people have read it. His idea appears to be to put trackers in vehicles so they would NOT have to put hams in the vehicles.   I'm sorry to have stirred up a hornet's nest with my reply to Dave's query. Maybe I should not have framed my response as a question.

Roy Bost
N5TAM

****
The haunting fragrance of her mysterious perfume
lingered with me long after the blinding sting of her
pepper spray had faded.
****

----- Original Message -----
From: "Dave Sloan" <desloan@earthlink.net>
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Sent: Wednesday, June 19, 2002 1:34 PM
Subject: [aprssig] Question about trackers?

> Hello all,
>   I mentioned to an ARES member that it would be nice to have some
trackers
> so that they could be attached to vehicles that we wanted to track and
free
> up a ham. We are currently supporting the Hayman fire. About 70% of the
net
> time is finding out the current location of this person or this vehicle.
>   His question is this legal? How is the best way to respond to him on
> this?
>
> Thanks & 73,
> Dave N0EOP
>
>
> ---
> You are currently subscribed to aprssig as: RBOST@ITEXAS.NET
> To unsubscribe send a blank email to leave-aprssig-842K@lists.tapr.org
> Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org
>
>

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---

714. [aprssig] Re: Question about trackers?

From: Steve Dimse <k4hg@tapr.org>
Date: Fri, 21 Jun 2002 10:41:39 -0400
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: TAPR APRS Special Interest Group <aprssig@lists.tapr.org>
Message-ID: <LYR842-86065-2002.06.21-10.19.12--lyris.aprssig#tapr.org@lists.tapr.org>

Rendered body type: text/plain

On 6/21/02 9:35 AM, rbost@itexas.net (Roy Bost) wrote:

```
>Thought I'd re-post the original message....it appears very few
>people have read it.  His idea appears to be to put trackers in
>vehicles so they would NOT have to put hams in the vehicles.    I'm
>sorry to have stirred up a hornet's nest with my reply to Dave's
>query.  Maybe I should not have framed my response as a question.
>
```

Automatically controlled telemetry stations are completely within the rules of part 97.

Steve K4HG

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---

715. [aprssig] Re: Question about trackers?

From: Matt Steinhoff <mls@steinhoff.net>
Date: Fri, 21 Jun 2002 11:04:29 -0400
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: aprssig@lists.tapr.org
Message-ID: <LYR842-86066-2002.06.21-10.41.47--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

> From: "Dave Sloan" <desloan@earthlink.net>
> I mentioned to an ARES member that it would be nice to have
> some trackers so that they could be attached to vehicles
> that we wanted to track and free up a ham. We are currently
> supporting the Hayman fire. About 70% of the net time is
> finding out the current location of this person or this
> vehicle. His question is this legal?

Based on everything the FCC has said, done and not done in the past decade of APRS use, this is a perfectly legal, acceptable use of APRS. Further, this seems exactly what APRS was designed to do and should be encouraged. Why waste voice bandwidth reporting locations when the same thing can be accomplished more accurately and quicker using APRS?

There has never been an FCC enforcement action against anyone (ham or otherwise) using APRS. Ever. (If anyone can find such enforcement action, please document it and make me eat my words. I checked with ARRL and searched the FCC's web site.)

I cringe every time I see this topic come up. We might as well be arguing that PSK31 is illegal.

Matt (k4mls)

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---

716. [aprssig] Re: Question about trackers?

From: Phil Reed <preed@dnaco.net>
Date: Fri, 21 Jun 2002 11:15:50 -0400
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: TAPR APRS Special Interest Group <aprssig@lists.tapr.org>,
        aprssig@lists.tapr.org
Message-ID: <LYR842-86069-2002.06.21-10.54.04--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Thank you. This message goes into the archives, to be cut-and-pasted whenever the question arises again.

At 09:15 AM 6/21/2002 -0400, Steve Dimse wrote:

```
>It [APRS} is fully legal under 97.221(b):
>
>-------
>(b) A station may be automatically controlled while transmitting a
>RTTY or data emission on the 6 m or shorter wavelength bands, and on
>the 28.120-28.189 MHz....
```

>-------
>
>An APRS tracker is an automatically controlled telemetry station,
>therefore allowed to transmit one-way transmissions, and free of the
>need for a control operator. The "devices and procedures for control
>of a station when it is transmitting so that compliance with the FCC
>Rules" are provided by the software in the tracker itself. It islegal
>to put it in a balloon, in a car driven by your wife, non-hams, and
>just about anything else (as long as it isn't the normal course of
>your own business).
>
>APRS has been around for nearly 10 years, running stand alone trackers
>without control ops for almost as long. It is one of the biggest
>activities in ham radio, and the FCC is most certainly aware of it. If
>they had a problem with any aspect of APRS we would have heard about
>it by now.

...phil / w8sca

"For a list of all the ways technology has failed
to improve the quality of life, press 3."

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---

717. [aprssig] field day sat aprs

From: "Darrell Sutton" <kf4hjw@cox.net>
Date: Fri, 21 Jun 2002 13:18:32 -0400
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-86078-2002.06.21-12.55.07--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Has anyone put a list of times for various areas to try sat' comm for field
day..
73's
Darrell

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---

718. [aprssig] APRS Field Day

From: "Tim Cunningham" <tim_cunningham@mindspring.com>
Date: Fri, 21 Jun 2002 12:51:11 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-86082-2002.06.21-13.30.52--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Attention all APRS and UI digipeating fans.

PCsat is easy to work as an APRS digipeater.

AO-16 is working great as an APRS digipeater. Use PACSAT-1 for
the path when digipeating messages. It require 1200 baud PSK on the
downlink and Manchester FM on any one of its available uplinks.

IO-26 was buzzing as it went over last night, but I was not able to
verify it was operating. We use to use ITMSAT-1 as the digipeating
path on this bird if it is functioning. Since it was transmitting a signal,
I was encouraged that it might be alive.

If ISS is active as a digipeater use RS0ISS as the digi path.

Sapphire and Opal have been available in the past as digipeaters,
so you might want to check them out as well.

Looking forward to make the digital birds come alive on Field Day.

Tim - N8DEU

Huntsville, Alabama

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719. [aprssig] Re: Question about trackers?

From: "Ray McKnight - WB3ABN" <shortsheep@worldnet.att.net>
Date: Fri, 21 Jun 2002 11:00:37 -0700
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: <aprssig@tapr.org>
Message-ID: <LYR842-86083-2002.06.21-13.37.59--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

You are absolutely incorrect in your conclusion that a telemetry station does not require a control operator. It is clearly stated in BOLDFACE, under 97.7 that each station must have a control operator.

A telemetry station may be operated under either direct or automated control. To comply with automated control, it must be able to respond to interrogation from the control or auxiliary station.

As a control operator of ANY station, you must "ensure the immediate proper operation of the station, regardless of the type of control" (97.105) The "watchdog timer" as has been mentioned does not eleviate the requirement of a control operator or satisfying the intent of automated control. Even for repeaters, they must include a 3-minute time-out function in the event of the failure of the control link, or the control operator's ability or desire to effect control.

Automatically controlled digital stations must be able to respond to interrogation from a control station that is being controlled either locally or remotely. The control station cannot be under automatic control. (97.221)

So, DUMB TRACKERS are illegal if not operated under direct (local) control because they cannot respond to interrogation from the control station. A control operator CANNOT EVER delegate his responsibilities to an unlicensed individual. Giving a tracker to your unlicensed buddy and telling him to "turn it off if I call you on the cell phone" is ILLEGAL. If you place a dumb tracker in a vehicle there had better be a licensed Ham there to control it. If you place a tracker in a vehicle without a Ham, it must be secured to prevent unauthorized use, changing frequency, etc. Personally, I don't agree that it does not constitute 3-rd party traffic, but I'm not going to argue that any more.

One VERY IMPORTANT aspect of CFR's that few people recognize is the principal of "included" and "excluded" authority. Just because you are permitted to HAVE a telemetry transmitter in one part of the regs, does NOT give you blanket authority to ignore more restrictive, general requirements in another part. You can't ignore control operator responsibilities or the need for adequate control provisions by hiding under the guise of being a telemetry station. Some requirements are INCLUSIVE to all aspects of station operation; control is one of them, as well as the need to maintain adequate security of your equipment to prevent unauthorized transmissions.

And NO, I WILL NOT drop it, shut up or bury my head in the sand when someone asks an innocent and relevant question. You do what you want with your license, ignore the requirements of station control or security, I don't care. But I won't tell someone its fine when it isn't.

73's
Ray - WB3ABN
Kingston, WA

-----Original Message-----
From: bounce-aprssig-29143@lists.tapr.org
[mailto:bounce-aprssig-29143@lists.tapr.org] On Behalf Of Steve Dimse
Sent: Friday, June 21, 2002 06:16
To: TAPR APRS Special Interest Group
Cc: TAPR APRS Special Interest Group; aprssig@lists.tapr.org
Subject: [aprssig] Re: Question about trackers?

On 6/21/02 6:51 AM, k5qq@juno.com wrote:

>I read it as saying they want to put a tracker on a vehicle
>so they don't have to have the ham in the vehicle to provide
>commo on where the vehicle is. The driver is not a ham.
>(And it might turn out there are multiple operators as the
>drivers go thru their shifts)
>
>So we are back to the original question, Is this fish red?
>
It is fully legal under 97.221(b):

(b) A station may be automatically controlled while transmitting a
RTTY or data emission on the 6 m or shorter wavelength bands, and on
the 28.120-28.189 MHz....

An APRS tracker is an automatically controlled telemetry station,
therefore allowed to transmit one-way transmissions, and free of the
need for a control operator. The "devices and procedures for control
of a station when it is transmitting so that compliance with the FCC
Rules" are provided by the software in the tracker itself. It islegal
to put it in a balloon, in a car driven by your wife, non-hams, and
just about anything else (as long as it isn't the normal course of
your own business).

APRS has been around for nearly 10 years, running stand alone trackers
without control ops for almost as long. It is one of the biggest
activities in ham radio, and the FCC is most certainly aware of it. If
they had a problem with any aspect of APRS we would have heard about
it by now.

Can we put this to rest again (at least for 6 months until it
certainly will pop up again, as it has so many times in the past),
please???

Steve K4HG

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720. [aprssig] ADMIN: Re: Question about trackers?

From: "Horzepa, Stan" <SHorzepa@c-cor.net>
Date: Fri, 21 Jun 2002 14:21:18 -0400
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-86089-2002.06.21-13.59.32--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Personally, I am very tired of this discussion, but if you wish to continue
beating a dead horse, do it in a civil manner.

Thank you for your cooperation,

Stan, WA1LOU, APRSSIG administrator

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721. [aprssig] Re: Question about trackers?

From: Steve Dimse <k4hg@tapr.org>
Date: Fri, 21 Jun 2002 15:17:48 -0400
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-86090-2002.06.21-14.55.14--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

On 6/21/02 11:00 AM, shortsheep@worldnet.att.net (Ray McKnight -
WB3ABN) wrote:

>A telemetry station may be operated under either direct or automated

>control. To comply with automated control, it must be able to
>respond to interrogation from the control or auxiliary station.
>
Exactly where does it say this? Automatic control is, by the FCC definition "The use of devices and procedures for control of a station when it is transmitting so that compliance with the FCC Rules is achieved without the control operator being present at a control point." The "telecommand" requirement is one you are making up. There is no mention of a need for a "control or auxillary station" in the automatically controlled rule. This is pure fantasy.

The "devices and procedures" are inherent in the tracker software in this case. Nowhere in the rules does it say what methods and procedures are required, how many levels of redundancy there must, what the probability of failure must be, just that there must be something.

The requirements for automatic control are in 97.109(d): "When a station is being automatically controlled, the control operator need not be at the control point. Only stations specifically designated elsewhere in this Part may be automatically controlled. Automatic control must cease upon notification by an EIC that the station is transmitting improperly or causing harmful interference to other stations." It does not say in 1 second, 10 seconds, or 1 hour. It does not say there must be telecommand command of an automatically controlled station.

Furthermore, this section actually makes it crystal clear that an automatically controlled station does not need telecommand, or any other operator presence. The control point is "The location at which the control operator function is performed". There is no ambiguity here...the control operator need not be at the point where his functions are performed! He can be at a distance from the control point!!!!

>Automatically controlled digital stations must be able to respond to
>interrogation from a control station that is being controlled either
>locally or remotely. The control station cannot be under automatic
>control. (97.221)
>
The rules do not say any such thing, in fact they say exactly the opposite. The control opertor need not be at the control point! A simple, clear, completely unambiguous statement. By saying a telecommand link is required, you are saying the operator is required to be at the control point. The rules say just the opposite!

Automatic control means exactly that...the control is automatic. As the control operator of record, you are legally responsible for the correct operation of the station, and if notified of a problem by the EIC you must cease operation. I can do that by driving to the location of the tracker and flipping the power switch, most certainly I am going to notice the problem and do it long before the EIC gets involved. You are fantasizing that the requirement is any more strict than this.

The only way to violate the FCC rules is to not have a means to shut down, or to ignore the directives of the Engineer-In-Charge to shut down.

Steve K4HG

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Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

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722. [aprssig] Re: APRS Field Day

From: "Bud Talbot" <kb9wvg@arrl.net>
Date: Fri, 21 Jun 2002 14:24:50
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-86092-2002.06.21-15.02.06--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

I definitely plan to work PCSAT and ISS tomorrow. I know this has been discussed on the sig, but I'm still unsure about a couple of things. How many contacts via these sat digis can we log for points? I think they are 3 points each, and you get 100 "bonus" points for having an aprs station (non-traditional mode). QSO consists of a two-way message- eg:bulletin to "CQ FD 5A-STX" and the corresponding QSL. Is this correct? One last thing-no points for QSO via terrestrial digi, correct?

Thanks all- this is my first field day.

73
Bud Talbot
KB9WVG

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723. [aprssig] balloon tracking

From: Steve Dimse <k4hg@tapr.org>
Date: Fri, 21 Jun 2002 15:29:32 -0400
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-86093-2002.06.21-15.06.52--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

The KB0TVJ-11 balloon is at 57,000 feet, some nice findU displays:

http://www.findu.com/cgi-bin/track.cgi?call=KB0TVJ-11

http://www.findu.com/cgi-bin/tele.cgi?call=KB0TVJ-11

(it is sending altenate RMC and GGA sentences, so hit reload every
minute or so to see the altitude or course/speed data.

Hopefully the FCC won't shut this down ;-)

Steve K4HG

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Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

---

724. [aprssig] Re: balloon tracking

From: "Ronald Reams" <wa4mjf@worldnet.att.net>
Date: Fri, 21 Jun 2002 15:37:48 -0400
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-86094-2002.06.21-15.14.59--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Steve, all that stuff about ballons was a "red herrin'",
in others words somethin' to get you off track (no pun intended).

Of course, you can have trackers without a contol op.

Point is in a wild fire situation, you'd want the tracker for the mundane
trackin'
and a real ham with a radio to contact you in case of an emergency or for
other info
besides "Car 54, where are you?"   Reminds me of "General" David Denkins
:-)

73 de Ronnie

----- Original Message -----
From: "Steve Dimse" <k4hg@tapr.org>
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Sent: Friday, June 21, 2002 15:29
Subject: [aprssig] balloon tracking

The KB0TVJ-11 balloon is at 57,000 feet, some nice findU displays:

http://www.findu.com/cgi-bin/track.cgi?call=KB0TVJ-11

http://www.findu.com/cgi-bin/tele.cgi?call=KB0TVJ-11

(it is sending altenate RMC and GGA sentences, so hit reload every
minute or so to see the altitude or course/speed data.

Hopefully the FCC won't shut this down ;-)

Steve K4HG

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725. [aprssig] UI-View32 and hf?

From: Rodney Padmore <JudyRod.Padmore@ns.sympatico.ca>
Date: Fri, 21 Jun 2002 16:47:52 -0300
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-86095-2002.06.21-15.25.14--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

How do I get uiv32 and pk232 to work the hf frequencies, please & 73 de
Rod.

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726. [aprssig] Re: Question about trackers?

From: Doug Bade <doug@clecom.com>
Date: Fri, 21 Jun 2002 15:54:04 -0400
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-86096-2002.06.21-15.31.21--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

I think this sums it up and we should move on . Unless a newer set of rules
out dates these.. they should be pretty clear...

Directly from FCC Rules CFR 47 part 80 to end revised October 1, 1999

I am quoting in most relevant order....

"An auxiliary station may be automatically controlled" 97.201(d)

"An auxiliary station may transmit only on the 1.25m and shorter wavelength
bands,except 219-220 Mhz, 222.000-222.150 Mhz, 431-433 Mhz, and 435-438 Mhz
segments" 97.201(b)

"Any amateur station licensed to a holder of a Technician " ..... "Class
operator license may be an auxiliary station" 97.201(a)

"An auxiliary station may transmit one-way communications" 97.201(e)

97.109 "Station Control"
(a) "Each amateur station must have at least one control point"
(b)
(c)
(d)" When a station is being automatically controlled, the control operator
need not be at the control point. Only specific stations designated
elsewhere in this part may be automatically controlled. Automatic control
must cease operation upon notification by an EIC that the station is
transmitting improperly or causing harmful interference to other stations.
Automatic control must not be resumed without prior approval of the EIC."

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Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

727. [aprssig] Re: Question about trackers?

From: Earl Needham <needhame@yucca.net>
Date: Fri, 21 Jun 2002 14:46:55 -0600
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-86099-2002.06.21-16.25.21--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

At 03:54 PM 6/21/2002 -0400, Doug Bade wrote:
>I think this sums it up and we should move on . Unless a newer set of

>rules out dates these.. they should be pretty clear...

Except for one thing -- you left out the definition of an
auxiliary station! <G>

7 3
Earl

Earl Needham, KD5XB, Clovis, New Mexico DM84jk
KD5XB-2>APW251,PCSAT-1*:=3425.83N/10313.55W-PHG7150/WinAPRS 2.5.1
-EARL_CLOVIS -251-<630>
Did you get a letter from Nigeria offering a "deal"? See
http://home.rica.net/alphae/419coal/ and
http://www.crimes-of-persuasion.com/Crimes/Business/nigerian.htm

>Directly from FCC Rules CFR 47 part 80 to end revised October 1, 1999
>
>I am quoting in most relevant order....
>
>
>"An auxiliary station may be automatically controlled" 97.201(d)
>
>"An auxiliary station may transmit only on the 1.25m and shorter
>wavelength bands,except 219-220 Mhz, 222.000-222.150 Mhz, 431-433 Mhz, and
>435-438 Mhz segments" 97.201(b)
>
>"Any amateur station licensed to a holder of a Technician " ..... "Class
>operator license may be an auxiliary station" 97.201(a)
>
>"An auxiliary station may transmit one-way communications" 97.201(e)
>
>97.109 "Station Control"
>(a) "Each amateur station must have at least one control point"
>(b)
>(c)
>(d)" When a station is being automatically controlled, the control
>operator need not be at the control point. Only specific stations
>designated elsewhere in this part may be automatically controlled.
>Automatic control must cease operation upon notification by an EIC that
>the station is transmitting improperly or causing harmful interference to
>other stations. Automatic control must not be resumed without prior
>approval of the EIC."
>

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Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

728. [aprssig] APRS in Denmark

From: Matt Steinhoff <mls@steinhoff.net>
Date: Fri, 21 Jun 2002 17:33:17 -0400
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-86104-2002.06.21-17.10.36--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Anything I need to know about APRS in Denmark other
than it is on 144.8125 (per http://aprs.dk/)?
I leave for Denmark (primarily Aarhus but also
Copenhagen) tomorrow evening for ten days of business.
I know I can operate there with just a copy of the
FCC's CEPT notice (DA 99-2344) and a well-placed slant.
Is there anything else I should know? This is the first
time I've operated outside the Americas.
With any luck, I'll be able to get into PCSat and
send a message home.
(I know better than to ask for a Danish path --
we're all still sore from the tracker discussion. {grin})

Matt (k4mls)

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Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

729. [aprssig] Re: Question about trackers?

From: Doug Bade <doug@clecom.com>
Date: Fri, 21 Jun 2002 17:43:27 -0400
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-86106-2002.06.21-17.20.44--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

At 02:46 PM 6/21/02 -0600, Earl Needham wrote:
>At 03:54 PM 6/21/2002 -0400, Doug Bade wrote:
>>I think this sums it up and we should move on . Unless a newer set of
>>rules out dates these.. they should be pretty clear...
>
>   Except for one thing -- you left out the definition of an
> auxiliary station! <G>
>
>   7 3
>   Earl

97.3(a)
(7) Auxiliary Station. An amateur station, other than in a message
forwarding system, that is transmitting communications point to point
within a system of cooperating amateur stations.

If this is taken to say Trackers are not Auxiliary Stations, but are then
classified as "Message forwarding System" stations, then ...

The rules for packet take over and AUTOMATIC is authorized, for all packet
stations above 6 meters...except where may be specifically excluded..

  97.221 "Automatically controlled digital station"

(b) " A station may be automatically controlled while transmitting a RTTY
or DATA EMMISSION on the 6 m or shorter wavelength bands, and on the
28" ...... (HF bands specified)"

97.219 "Message forwarding system"
(a)
(b)
(c)
(d)
         It is half a page but in summary says, the control operator of the
station who sends the first packet into such a system is responsible for
it's legality and primarily accountable, others should discontinue
forwarding if there is an illegal packet of some form brought to their
attention, but the original station control operator is ultimately
responsible, and accountable.

97.3 Definitions
(6) Automatic control. The use of devices and procedures for control of a
station when it is transmitting so that it is in compliance with the FCC
rules and regulations achieved without the control operator being present
at a control point.

(This would seem to include mentioned items like time-out timers, channel
busy monitors etc...)

Least of all I do not think anyone on 144.39 in an area where trackers are
being used would be complaining of interference from said automatic stations...

One of the 2 covers trackers, I suggest we are covered either way and the
thread may be satisfactorily closed...

Doug KB8GVQ

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730. [aprssig] Balloon Tracking

From: "Serowik" <serowik@adelphia.net>
Date: Fri, 21 Jun 2002 17:55:36 -0400
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>

Message-ID: <LYR842-86112-2002.06.21-17.34.16--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

```
What kind of equipment is being used for this?  Are there any photos of the
setup or equipment?


---
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```

731. [aprssig] Re: Question about trackers?

From: "Ronald Reams" <wa4mjf@worldnet.att.net>
Date: Fri, 21 Jun 2002 18:04:09 -0400
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-86113-2002.06.21-17.41.39--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

```
Good post, minor item below six meters
(shorter wavelengths)  rather than above six meters
(longer wavelengths).  Or as often
put "Six meter and shorter wavelengths".

73 de Ronnie


+++++++++++++++++++++++++++++++++++++++++++++++++++++

97.3(a)
(7) Auxiliary Station. An amateur station, other than in a message
forwarding system, that is transmitting communications point to point
within a system of cooperating amateur stations.

If this is taken to say Trackers are not Auxiliary Stations,  but are then
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The rules for packet  take over and AUTOMATIC is authorized, for all packet
stations above 6 meters...except where may be specifically excluded..



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```

732. [aprssig] RE: REgistering PMAP.OCX in WinAPRS

From: "Andrew Rich" <andrew.rich@bigpond.com>
Date: Sat, 22 Jun 2002 08:17:02 +1000
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-86114-2002.06.21-17.52.32--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

```
Have you probed your registry to see if there is a need to de-register the .ocx ?

Andy

-----Original Message-----
From: bounce-aprssig-23621@lists.tapr.org
[mailto:bounce-aprssig-23621@lists.tapr.org]On Behalf Of Earl Needham
Sent: Friday, 21 June 2002 23:30
To: TAPR APRS Special Interest Group
Cc: aprssig@lists.tapr.org
Subject: [aprssig] RE: REgistering PMAP.OCX in WinAPRS


At 06:12 AM 6/21/2002 -0500, Bill Diaz wrote:
><snip>
>Do you have OC30.dll in the windows directory?

         Yes, it's there.

> >         Let me ask -- the laptop is running W95 (4.00.950a).  Will the
> ocx
> > work with this version of W95?  Or does something need to be updated?
>
>Is this the latest version of Win95?  Latest patches etc.  How much memory
>is on the machine?
```

I can't answer on the patches, in fact, I think this is the early version of W95. It's pretty difficult to work with this laptop -- it doesn't have a CD drive, so I can't load anything else on it without resorting to floppy disks.

RAM shows to be at 24 MB.

I simply ran the batch file, text below:

```
>copy Regsvr32.exe c:\windows\system\Regsvr32.exe
>copy MAPOCX.OCX c:\windows\system\MAPOCX.OCX
>copy OC30.DLL c:\windows\system\OC30.DLL
>c:
>cd \windows\system
>Regsvr32 MAPOCX.OCX
```

That should have everything in the right place, and I've verified that everything IS in the right place. The only question I can think of is whether or not the OS on this laptop is recent enough to work. What version is required?

Thanks once more!
Earl

Earl Needham, KD5XB, Clovis, New Mexico DM84jk
KD5XB-2>APW251,PCSAT-1*:=3425.83N/10313.55W-PHG7150/WinAPRS 2.5.1
-EARL_CLOVIS -251-<630>
Did you get a letter from Nigeria offering a "deal"? See
http://home.rica.net/alphae/419coal/ and
http://www.crimes-of-persuasion.com/Crimes/Business/nigerian.htm

---
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733. [aprssig] Re: Question about trackers?

From: "Eric Christensen, KF4OTN" <kf4otn@cox.net>
Date: Fri, 21 Jun 2002 18:20:16 -0400
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-86115-2002.06.21-17.57.39--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

The Tracker is not the auxiliary station, but the remote control over
a tracker IS an auxiliary station.

----- Original Message -----
From: "Doug Bade" <doug@clecom.com>
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Sent: Friday, June 21, 2002 17:43
Subject: [aprssig] Re: Question about trackers?

At 02:46 PM 6/21/02 -0600, Earl Needham wrote:
>At 03:54 PM 6/21/2002 -0400, Doug Bade wrote:
>>I think this sums it up and we should move on . Unless a newer set
of
>>rules out dates these.. they should be pretty clear...
>
>   Except for one thing -- you left out the definition of an
> auxiliary station! <G>
>
>   7 3
>   Earl

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or DATA EMMISSION on the 6 m or shorter wavelength bands, and on the
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attention, but the original station control operator is ultimately
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97.3 Definitions
(6) Automatic control. The use of devices and procedures for control of a
station when it is transmitting so that it is in compliance with the FCC
rules and regulations achieved without the control operator being present
at a control point.

(This would seem to include mentioned items like time-out timers, channel
busy monitors etc...)

Least of all I do not think anyone on 144.39 in an area where trackers are
being used would be complaining of interference from said automatic
stations...

One of the 2 covers trackers, I suggest we are covered either way and the
thread may be satisfactorily closed...

Doug KB8GVQ

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734. [aprssig] Re: APRSERVE.TXT

From: WA8LMF2@aol.com
Date: Fri, 21 Jun 2002 18:32:11 EDT
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-86116-2002.06.21-18.09.33--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

```
In a message dated 6/20/02 3:25:36 PM Pacific Daylight Time,
marklelliott@insightbb.com writes:

> Could someone send me the current (up-to-date) aprserve.txt file.  Most on
>  my list do not respond.
>

There is a more-or-less (I try to update it about once a month) list on my
website at:

   http://members.aol.com/wa8lmf

Click on the link for the ham pages at the top of my home page.  On the ham
page, click the link for APRS stuff.

    --OR--

Go directly to the APRS page by clicking on the APRS logo on my home page.

Either way, there is a link on the APRS page for downloading a txt file with
the servers listed.

Stephen H. Smith                  wa8lmf @ aol.com
Home Page:
http://members.aol.com/wa8lmf
Ham Radio/Mobile SSTV page:     http://members.aol.com/wa8lmf/ham
APRS Stuff
http://members.aol.com/wa8lmf/aprs
------------------------------------------------------------------------------

----------
|    Radio Communications Systems       Personal Computers
|                Consulting and Systems Integration
|    GPS Custom Mapping    &     Radio Coverage Surveys
|    File Conversions       MS-Windows Setups       VISCII Fonts
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735. [aprssig] Re: Question about trackers?

From: "Ray McKnight - WB3ABN" <shortsheep@worldnet.att.net>
Date: Fri, 21 Jun 2002 15:32:31 -0700
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: <aprssig@tapr.org>
Message-ID: <LYR842-86117-2002.06.21-18.09.59--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

```
Some slight confusion... and I misstated "telemetry station" when I
meant to say "automatically controlled digital station"

Your first post stated that control operators were not needed, and that
is never true, under any type of station or operating circumstances.

An automatically controlled digital station must operate:
1)within the assigned frequency segments (HF), or
2) on 6 meters or higher, or
3) on any other frequency IF it can respond to interrogation from the
control station and has 500Hz or less bandwidth

To clarify this, as an example, a GATEWAY station must be within the
assigned band segments to operate automatically (either the HF segments
or above 6 meters), or it can operate anywhere the transmissions are
permitted IF it can be remotely controlled by a telecommand link
(responding to interrogation).

So a tracker is authorized under automated control on 2 meters, IF we
consider a tracker to meet the definition of "automatically controlled
digital station". From all the debates over this, most people consider a
tracker to be a telemetry transmitter.  Personally, I think
```

"automatically controlled digital station" is a DIGI or HF/VHF Gateway, in the same vain as a repeater which can also (well in recent years, but not always!) be automatically controlled, NOT a tracker.

If we DO classify a tracker as a telemetry transmitter, well, we're basically hosed. Why? Because the regulations say absolutely NOTHING about how a telemetry transmitter must be controlled. We could draw a comparison to telemetry transmission from a space station, in that they are permitted to be automatically controlled. However, they must also be able to be telecommanded to terminate their transmissions if necessary. Telecommanding requires either a physical or radio link, effectively just another type of remote control. Thus, for a spacecraft telemetry transmitter, if automated control fails, remote control must be available.

If a tracker containing "devices and procedures" you refer to fail to operate (watchdog timers, etc), as the control operator you must be able to ensure the "immediate and proper operation of the station". If automated control isn't working, then you must either
1) turn off the station, and NOT RESUME UNTIL APPROVED BY THE EIC
2) use another form of control, such as remote or direct

I concede that as the control operator you may choose to operate a tracker under automated control. However, if it becomes necessary, you must be able to respond "immediately" upon notification that the automated controls have failed. If the tracker has no provision for being remotely controlled, direct control becomes your only alternative. If the tracker is halfway across the country in your parents van headed towards Disneyland, I guess you're out of luck. This becomes a judgment call - just how loosely are you willing to interpret the control operator requirements? And how do you deal with "immediately". Certainly it must be considered on a case by case basis; just how did you attempt to respond when it became necessary? Did you act in good faith, did you accept responsibility, were you proactive? Or did you just dump the tracker in the van, wave goodbye and make no provisions to control it if it became necessary?

A station may be operated under TELECOMMAND if it has a radio or wire or other type control link that allows the control operator to perform their duties. It also has to have a 3-minute watchdog timer for the event of losing the control link. In the definition of TELECOMMAND STATION is states that it is used for controlling spacecraft. Further on, in Special Operations, it says any station may be operated by telecommand. A station being operated under telecommand, cannot be under automated control. Dumb trackers cannot be operated under telecommand. They're deaf. Telecommand can be a backup for automated control. An example of a telecommand station: you have a D700 in your car. You use an HT to remotely transmit touchtones to the D700 to change modes or frequencies. The HT is your telecommand station or control link. Brings up another good question: do any of the radios being sold that can be remotely controlled have a watchdog timer?

No, the FCC does not say you have to have a backup plan, or redundant levels, except in the case of spacecraft. Although redundancy is implied in the requirement for 3-minute watchdog timers for certain types of stations, especially those under telecommand. And all of those types of stations are in the same section of Part 97 where trackers will be classified. Often, in CFR's, something is implied or intended merely by associating it with similar things - this is the "inclusion principal" I referred to earlier. Something does not necessarily need to be specifically stated in order for the intent to be conveyed.

I'm not concluding that a tracker absolutely falls into one category or another. I fully understand that a control operator using automated control is NOT at the control point. But they must be able to ensure the immediate proper operation of the station. I am not saying that this can be defined conclusively and in all cases as a specific amount of time. Certainly there must be flexibility to accommodate many types of unique situations. I do not feel that placing a tracker in a vehicle with unlicensed people and sending them off on a cross-country trip satisfies the intent of being able to do anything "immediately". But you and I are well aware of many examples relayed on this SIG of situations that would certainly be closely scrutinized if the tracker had locked up in TX mode.

I personally had my home station, when it was doing weather, lock up in TX. I discovered it when I cam home from work, the transmitter was scalding to the touch, and I have no idea how long it had been that way. Apparently no one knew how to contact me at work. I had not checked it before leaving that morning, so it's conceivable it was locked up for 12 hours or more. Obviously the watchdog timer didn't do its job. I will likely never leave an unattended station online, capable of transmitting, without supervision.

I do not feel that in most situations the benefit justifies the risk. But each person must make up their own mind.

The use of trackers for public service and emergency response is a noble cause. I will likely not give one to an unlicensed individual without great consideration. I won't support the use of dumb trackers for any purpose except dire emergencies.

Should we suggest placing contact the contact information of the control operator into beacon texts of unattended/unlicensed hosts trackers? Certainly that would facilitate contacting the control operator in the event something went wrong. But in the case of a tracker locking up, it would not keep transmitting the beacon, so the last beacon heard would have to suffice. As a minimum I suggest placing a label on the tracker with you name, address and tele number.

73's
Ray - WB3ABN
Kingston, WA

-----Original Message-----
From: bounce-aprssig-29143@lists.tapr.org
[mailto:bounce-aprssig-29143@lists.tapr.org] On Behalf Of Steve Dimse
Sent: Friday, June 21, 2002 12:18
To: TAPR APRS Special Interest Group
Subject: [aprssig] Re: Question about trackers?

On 6/21/02 11:00 AM, shortsheep@worldnet.att.net (Ray McKnight - WB3ABN) wrote:

>A telemetry station may be operated under either direct or automated
>control. To comply with automated control, it must be able to
>respond to interrogation from the control or auxiliary station.
>

Exactly where does it say this? Automatic control is, by the FCC definition "The use of devices and procedures for control of a station when it is transmitting so that compliance with the FCC Rules is achieved without the control operator being present at a control point." The "telecommand" requirement is one you are making up. There is no mention of a need for a "control or auxillary station" in the automatically controlled rule. This is pure fantasy.

The "devices and procedures" are inherent in the tracker software in this case. Nowhere in the rules does it say what methods and procedures are required, how many levels of redundancy there must, what the probability of failure must be, just that there must be something.

The requirements for automatic control are in 97.109(d): "When a station is being automatically controlled, the control operator need not be at the control point. Only stations specifically designated elsewhere in this Part may be automatically controlled. Automatic control must cease upon notification by an EIC that the station is transmitting improperly or causing harmful interference to other stations." It does not say in 1 second, 10 seconds, or 1 hour. It does not say there must be telecommand command of an automatically controlled station.

Furthermore, this section actually makes it crystal clear that an automatically controlled station does not need telecommand, or any other operator presence. The control point is "The location at which the control operator function is performed". There is no ambiguity here...the control operator need not be at the point where his functions are performed! He can be at a distance from the control point!!!!

>Automatically controlled digital stations must be able to respond to
>interrogation from a control station that is being controlled either
>locally or remotely. The control station cannot be under automatic
>control. (97.221)
>

The rules do not say any such thing, in fact they say exactly the opposite. The control opertor need not be at the control point! A simple, clear, completely unambiguous statement. By saying a

telecommand link is required, you are saying the operator is required
to be at the control point. The rules say just the opposite!

Automatic control means exactly that...the control is automatic. As
the control operator of record, you are legally responsible for the
correct operation of the station, and if notified of a problem by the
EIC you must cease operation. I can do that by driving to the location
of the tracker and flipping the power switch, most certainly I am
going to notice the problem and do it long before the EIC gets
involved. You are fantasizing that the requirement is any more strict
than this.

The only way to violate the FCC rules is to not have a means to shut
down, or to ignore the directives of the Engineer-In-Charge to shut
down.

Steve K4HG

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736. [aprssig] Re: balloon tracking

From: "Ray McKnight - WB3ABN" <shortsheep@worldnet.att.net>
Date: Fri, 21 Jun 2002 15:36:49 -0700
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: <aprssig@tapr.org>
Message-ID: <LYR842-86118-2002.06.21-18.14.38--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

No, you ALWAYS have to have a control operator. If you do not think so,
then you really shouldn't have a license. Not rude, just reality. One
of the few things stated in BOLD, UPPERCASE LARGE FONT in the rules. If
the FCC shouts, we should listen.

-----Original Message-----
From: bounce-aprssig-29143@lists.tapr.org
[mailto:bounce-aprssig-29143@lists.tapr.org] On Behalf Of Ronald Reams
Sent: Friday, June 21, 2002 12:38
To: TAPR APRS Special Interest Group
Subject: [aprssig] Re: balloon tracking

Steve, all that stuff about ballons was a "red herrin'",
in others words somethin' to get you off track (no pun intended).

Of course, you can have trackers without a contol op.

Point is in a wild fire situation, you'd want the tracker for the
mundane
trackin'
and a real ham with a radio to contact you in case of an emergency or
for
other info
besides "Car 54, where are you?"   Reminds me of "General" David Denkins
:-)

73 de Ronnie

----- Original Message -----
From: "Steve Dimse" <k4hg@tapr.org>
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Sent: Friday, June 21, 2002 15:29
Subject: [aprssig] balloon tracking

The KB0TVJ-11 balloon is at 57,000 feet, some nice findU displays:

http://www.findu.com/cgi-bin/track.cgi?call=KB0TVJ-11 http://www.findu.com/cgi-bin/tele.cgi?call=KB0TVJ-11

(it is sending altenate RMC and GGA sentences, so hit reload every
minute or so to see the altitude or course/speed data.

Hopefully the FCC won't shut this down ;-)

Steve K4HG

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---

737. [aprssig] Re: Question about trackers?

From: Steve Dimse <k4hg@tapr.org>
Date: Fri, 21 Jun 2002 19:47:14 -0400
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: aprssig@tapr.org
Message-ID: <LYR842-86146-2002.06.21-19.24.34--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

On 6/21/02 3:32 PM, shortsheep@worldnet.att.net (Ray McKnight -
WB3ABN) wrote:

>If we DO classify a tracker as a telemetry transmitter, well, we're
>basically hosed. Why? Because the regulations say absolutely
>NOTHING about how a telemetry transmitter must be controlled. We

Why does this hose us? This is a good thing IMHO. It fits with the
FCC's stated intent, to get away from managing the fine details of the
Amateur Radio Service.

>could draw a comparison to telemetry transmission from a space
>station, in that they are permitted to be automatically controlled.
>However, they must also be able to be telecommanded to terminate
>their transmissions if necessary. Telecommanding requires either a
>physical or radio link, effectively just another type of remote
>control. Thus, for a spacecraft telemetry transmitter, if automated
>control fails, remote control must be available.
>

Some method to turn it off must exist. In the case of a spacecraft,
you cannot go there to do it manually. On earth, you can. This is a
MAJOR difference. It is, in fact, a big reason that space operations
are broken out separately, (the other being the crossing of
international boundaries) and why no rules written specifically for
space ops apply to stations below 50 miles altitude.

Also, be careful that you aren't confusing remote control and
telecommand. Telecommand is ONE-WAY, and has some restrictions, while
remote control is TWO-WAY, and has absolutely no restrictions! The
example of a TNC tracker that allows you to connect and change
parameters, is certainly not telecommand. It is remote control only in
the sense that while you are connected you are remotely controlling
the station. Once you disconnect, it is certainly an automatically
controlled digital station once again.

>If a tracker containing "devices and procedures" you refer to fail
>to operate (watchdog timers, etc), as the control operator you must
>be able to ensure the "immediate and proper operation of the
>station". If automated control isn't working, then you must either
>1) turn off the station, and NOT RESUME UNTIL APPROVED BY THE EIC 2)
>use another form of control, such as remote or direct
>

The "not resume until approved by the EIC" only applies IF THE EIC WAS
THE ONE THAT TOLD YOU TO CEASE OPERATIONS!

>I concede that as the control operator you may choose to operate a
>tracker under automated control. However, if it becomes necessary,
>you must be able to respond "immediately" upon notification that the
>automated controls have failed.

While immediately does appear in the general description of operator responsibilities, it is rather clear the FCC intends more leniency for automatically controlled stations. Otherwise, the control operator would be required to remain at a control point. Since the control operator can be at a distance from the control point, and no definintion of immediate is supplied, no doubt the FCC allows a reasonable amount of time for the control operator to reach the control point or otherwise stop the transmission.

>If the tracker has no provision for
>being remotely controlled, direct control becomes your only
>alternative. If the tracker is halfway across the country in your
>parents van headed towards Disneyland, I guess you're out of luck.

Not at all, I just call them up on the cell phone and tell them to unplug it. That is the procedure I have set up to stop its transmission to satisfy the FCC requirements. There is nothing in Part 97 that says an unlicensed person cannot unplug a transmitter, only that they cannot initiate a transmission.

> Further on, in Special Operations, it says any station
>may be operated by telecommand. A station being operated under
>telecommand, cannot be under automated control.

How can you say that? These two sentences aren't even internally consistent! If any station can be telecommanded, and since an automatcally controlled digital station is a station (by definition), then it must able to be telecommanded.

In the special ops section on telecommand, there is absolutely nothing that says a station under automatic control cannot be telecommanded.

>I personally had my home station, when it was doing weather, lock up
>in TX. I discovered it when I cam home from work, the transmitter
>was scalding to the touch, and I have no idea how long it had been
>that way. Apparently no one knew how to contact me at work. I had
>not checked it before leaving that morning, so it's conceivable it
>was locked up for 12 hours or more. Obviously the watchdog timer
>didn't do its job. I will likely never leave an unattended station
>online, capable of transmitting, without supervision.
>
That is one case, 12 hours, in the thousands of transmitter-years APRS had racked up, though no doubt there are a few more similar stories out there. Against that, consider what remote weather stations have done for the NWS and general public, all the special events that APRS supported, the one or more stolen vehicles it has helped recover, all the loved-one's minds that have been reassured...that sure is a lot of good to throw away for a few hours of QRM!

Steve K4HG

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---

738. [aprssig] d700 for mic-e mode?

From: "Wes Johnston" <wes@johnston.net>
Date: Fri, 21 Jun 2002 21:48:16 -0400
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-86152-2002.06.21-21.25.43--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

I hope this is just me doing something wrong.....

I want to run my kenwood as a mic-e so my posit will go out over the local voice repeater when I keydown. So I want to mic-e out on the right 1/2 of the radio, and still receive aprs data on the left 1/2. The purpose of this is to see when my packet goes into a mic-e compatible voice repeater, I want to make sure it gets to 144.39, and what better way that with my own kenwood rig? I normally run 144.39 on the A side of radio and what ever voice freq I'm using on the B side. So I went into the TNC menu and made TX on B and RX on A. Under the aprs menu, I programmed beacon to PTT. Now the beacon on PTT works fine... when I keydown, the B side of radio tx's. Problem is, the A side never decodes any packets. Now if I QSY the B side to 144.39, it turns out that it's doing the decoding. Is this one of those things you can't do in aprs mode?

Also, it sounds like the TXDelay is a little long.... I remeber Bob B saying
something about change your path to a "3" for ssid type routing packets and
a really short packet... but frankly, if I've done this correctly, I'm a
little set back by the length of this packet. There seems to be no front
panel way to shorten the TXD.

Any suggestions?
Wes

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739. [aprssig] Re: d700 for mic-e mode?

From: "Wes Johnston" <wes@johnston.net>
Date: Fri, 21 Jun 2002 21:54:12 -0400
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-86153-2002.06.21-21.31.35--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Sorry guys.... it occurred to me that the APRS menu is different than the
TNC menu... problem solved.

Wes

----- Original Message -----
From: "Wes Johnston" <wes@johnston.net>
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Sent: Friday, June 21, 2002 9:48 PM
Subject: [aprssig] d700 for mic-e mode?

> I hope this is just me doing something wrong.....
>
> I want to run my kenwood as a mic-e so my posit will go out over the local
> voice repeater when I keydown. So I want to mic-e out on the right 1/2 of
> the radio, and still receive aprs data on the left 1/2. The purpose of
this
> is to see when my packet goes into a mic-e compatible voice repeater, I
want
> to make sure it gets to 144.39, and what better way that with my own
kenwood
> rig? I normally run 144.39 on the A side of radio and what ever voice
freq
> I'm using on the B side. So I went into the TNC menu and made TX on B and
> RX on A. Under the aprs menu, I programmed beacon to PTT. Now the beacon
> on PTT works fine... when I keydown, the B side of radio tx's. Problem
is,
> the A side never decodes any packets. Now if I QSY the B side to 144.39,
it
> turns out that it's doing the decoding. Is this one of those things you
> can't do in aprs mode?
>
> Also, it sounds like the TXDelay is a little long.... I remeber Bob B
saying
> something about change your path to a "3" for ssid type routing packets
and
> a really short packet... but frankly, if I've done this correctly, I'm a
> little set back by the length of this packet. There seems to be no front
> panel way to shorten the TXD.
>
> Any suggestions?
> Wes
>
>
> ---
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>
>
>

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740. [aprssig] Re: Question about trackers?

From: "Doug Younker" <dougy@ruraltel.net>
Date: Fri, 21 Jun 2002 16:01:22 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-86165-2002.06.21-22.06.35--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Clearly it is every amateur radio operator's responsibility to possess a
copy of Part 97 and operate their stations accordingly. Every law and
regulation created to date has to be interpreted in some manner, every
Amateur is free to operated their station as to how they interpret the
regulations being, mindful of any action towards them, if they are mistaken.
I will remain silent untill someone's activity interferes with mine and
other's operating, otherwise other's operating practices don't concern me.

In normal daily activity I wouldn't place a tracker in a vehicle that I
don't have easy direct control of because I feel, that is contrary to, the
basic spirit of station control. In extra ordinary times I would yield to
basic premise/spirit of amateur radio's importance in times of emergency and
USE a tracker in the manner being discussed. What if I'm wrong? The FCC can
have my ticket, my effort, time and money could be put to use elsewhere, if
they decide to push too hard on what would be a rare event.--73
Doug, N0LKK
dougy@ruraltel.net

PS; just read Stan's post and hope the above was in a civil manner, most
likely this will be my only and last post to the sig on the topic

---
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741. [aprssig] help with tinytrak2 and tripmate!

From: "Bob K8YS & Janet N8LBR" <jbcraft@adelphia.net>
Date: Fri, 21 Jun 2002 22:39:36 -0400
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-86172-2002.06.21-22.19.11--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

I am trying to get AA8EI's tinytrak and tripmate working...

I need to ask someone that has mated these devices questions...

I have done the autostart mod.

I took the Serial Out from the GPS thru a 10K resistor and connected it to
the CHIP SIDE of R14 (10K resistor) so that I can connect the computer and
the GPS to the TT2 at the same time.

My problem is that I see the RED (power) LED and the YELLOW (busy channel)
LED, but it never goes into transmit.

I tested each device, and I see the GPS data in the terminal mode...

Suggestions? what am I missing??

Bob

---
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742. [aprssig] Email & WinAPRS v 2.6.1

From: "Bill Guthrie" <willy3jax@telocity.com>
Date: Fri, 21 Jun 2002 22:47:05 -0400
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-86173-2002.06.21-22.19.34--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Does the email function of WinAPRS 2.6.1 work? I try to enable it and it
won't. Any ideas?

Thanks

Bill
KC4OUA

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743. [aprssig] Re: help with tinytrak2 and tripmate!

From: Robbie <mwrobertson@attbi.com>
Date: Fri, 21 Jun 2002 22:01:50 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: TAPR APRS Special Interest Group <aprssig@lists.tapr.org>
Message-ID: <LYR842-86174-2002.06.21-22.38.55--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

My first response to so little detail of your full setup
parameters, how is it set as far as "transmit on valid data"
is set? If you are trying to get it to work in doors, and
you have it set to transmit on Valid data only, then you may
never transmit.. Check it out..

Robbie wa9inf

Bob K8YS & Janet N8LBR wrote:
>
> I am trying to get AA8EI's tinytrak and tripmate working...
>
> I need to ask someone that has mated these devices questions...
>
> I have done the autostart mod.
>
> I took the Serial Out from the GPS thru a 10K resistor and connected it to
> the CHIP SIDE of R14 (10K resistor) so that I can connect the computer and
> the GPS to the TT2 at the same time.
>
> My problem is that I see the RED (power) LED and the YELLOW (busy channel)
> LED, but it never goes into transmit.
>
> I tested each device, and I see the GPS data in the terminal mode...
>
> Suggestions? what am I missing??
>
> Bob
>
> ---
> You are currently subscribed to aprssig as: mwrobertson@attbi.com
> To unsubscribe send a blank email to leave-aprssig-842K@lists.tapr.org
> Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

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744. [aprssig] Re: Email & WinAPRS v 2.6.1

From: Robbie <mwrobertson@attbi.com>
Date: Fri, 21 Jun 2002 22:05:32 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: TAPR APRS Special Interest Group <aprssig@lists.tapr.org>
Message-ID: <LYR842-86175-2002.06.21-22.42.45--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

I have sent messages to aprs stations, so all you need to do
address messages to EMAIL instead of a "station" so,

To EMAIL
email address <space> message

Good luck,

Robbie wa9inf

Bill Guthrie wrote:
>
> Does the email function of WinAPRS 2.6.1 work? I try to enable it and it
> won't. Any ideas?
>
> Thanks
>
> Bill
> KC4OUA
>
> ---
> You are currently subscribed to aprssig as: mwrobertson@attbi.com
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745. [aprssig] FW: Re: Question about trackers?

From: "Ray McKnight - WB3ABN" <shortsheep@worldnet.att.net>
Date: Fri, 21 Jun 2002 20:44:46 -0700
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-86178-2002.06.21-23.22.07--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

When I say that a station under telecommand cannot be under remote control, I intended to mean that the two methods cannot occur simultaneously. It's one or the other during the time that the method is in use.

When I mention telemetry and compare APRS to space telemetry, it is only because that is the only example the FCC has provided. Without further clarification, all I can really do is look at space telemetry and draw conclusions about APRS telemetry that seem reasonable and hope that they meet the intent of the regulations. But I really have no clue what the FCC intends for telemetry as it only provides one line, acknowledging that it exists.

I think the space telemetry is a good example, though, because as you stated, you can't drive up to the spacecraft and throw a switch. Similarly, if we deploy a tracker to a remote location, or an unknown location or location that is inaccessible, we must consider whether we CAN comply, and have a reasonable expectation of being ABLE to maintain control of that station. Knowingly sending a tracker off on a "3 hour tour with Gilligan" and making no provision to be able to access it shows that the control operator had no regard for his responsibilities. They just took a chance that nothing would go wrong and hoped for the best. At a minimum this is irresponsible and could be considered negligent or even intentional if the need to control it arises and the control operator just throws up his hands.

We can't assume that we will always know the location of a tracker - it may be in one of the many RF black holes around the country, maybe it's not hitting a DIGI or gate. Just because it might only be transmitting to a small geographic area does not lessen the need to maintain control of it.

I can never agree that your system of "telling someone else" to just turn it off is appropriate. That is just delegating your responsibility as control operator, and you CANNOT give control operator responsibilities to anyone other than a licensed Ham who is qualified to act in that capacity. Maybe it accomplishes the intended goal, but I don't think it comes anywhere near satisfying the intent of the section on control operator responsibilities.

The whole issue of TELECOMMAND is confusing. I have never personally had any experience with it. I'd bet there are a lot of others in the same boat and are just as confused as I am. The regs talk about telecommand and seem in various places to imply that it is one-way. One example is telecommanding a model aircraft. I don't think there is any feedback except the visual cues you get as it careens to the pavement. If you are telecommanding a station, what feedback do you get that confirms that the commands had their intended purpose? If you're going to change frequency, wouldn't it be useful to know WHAT freq the radio changed to, just as a precaution? How would you even know that the station recognized the command to exit command mode and resume operations? Or is telecommand a continual process, thus the need for a 3-minute timer?

Likewise, auxiliary stations are also somewhat mysterious. The only examples I can think of are linked repeaters. Is this right?

One thing does bother me though, Steve. You seem to classify trackers as telemetry AND automatically controlled digital stations interchangeably. I get the impression a lot of people classify various aspect of APRS on the fly, however it benefits the situation at hand. Which ever you choose, I think you should stick to it.

73's
Ray - WB3ABN
Kingston, WA

-----Original Message-----
From: Steve Dimse [mailto:k4hg@tapr.org]
Sent: Friday, June 21, 2002 16:47
To: Ray McKnight - WB3ABN
Cc: aprssig@tapr.org
Subject: RE: [aprssig] Re: Question about trackers?

On 6/21/02 3:32 PM, shortsheep@worldnet.att.net (Ray McKnight - WB3ABN) wrote:

>If we DO classify a tracker as a telemetry transmitter, well, we're
>basically hosed. Why? Because the regulations say absolutely
>NOTHING about how a telemetry transmitter must be controlled. We

Why does this hose us? This is a good thing IMHO. It fits with the FCC's stated intent, to get away from managing the fine details of the Amateur Radio Service.

>could draw a comparison to telemetry transmission from a space
>station, in that they are permitted to be automatically controlled.
>However, they must also be able to be telecommanded to terminate
>their transmissions if necessary. Telecommanding requires either a
>physical or radio link, effectively just another type of remote
>control. Thus, for a spacecraft telemetry transmitter, if automated
>control fails, remote control must be available.
>
Some method to turn it off must exist. In the case of a spacecraft, you cannot go there to do it manually. On earth, you can. This is a MAJOR difference. It is, in fact, a big reason that space operations are broken out separately, (the other being the crossing of international boundaries) and why no rules written specifically for space ops apply to stations below 50 miles altitude.

Also, be careful that you aren't confusing remote control and telecommand. Telecommand is ONE-WAY, and has some restrictions, while remote control is TWO-WAY, and has absolutely no restrictions! The example of a TNC tracker that allows you to connect and change parameters, is certainly not telecommand. It is remote control only in the sense that while you are connected you are remotely controlling the station. Once you disconnect, it is certainly an automatically controlled digital station once again.

>If a tracker containing "devices and procedures" you refer to fail
>to operate (watchdog timers, etc), as the control operator you must
>be able to ensure the "immediate and proper operation of the
>station". If automated control isn't working, then you must either
>1) turn off the station, and NOT RESUME UNTIL APPROVED BY THE EIC 2)
>use another form of control, such as remote or direct
>
The "not resume until approved by the EIC" only applies IF THE EIC WAS THE ONE THAT TOLD YOU TO CEASE OPERATIONS!

>I concede that as the control operator you may choose to operate a
>tracker under automated control. However, if it becomes necessary,
>you must be able to respond "immediately" upon notification that the
>automated controls have failed.

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>If the tracker has no provision for
>being remotely controlled, direct control becomes your only
>alternative. If the tracker is halfway across the country in your
>parents van headed towards Disneyland, I guess you're out of luck.

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> Further on, in Special Operations, it says any station
>may be operated by telecommand. A station being operated under
>telecommand, cannot be under automated control.

How can you say that? These two sentences aren't even internally consistent! If any station can be telecommanded, and since an automatcally controlled digital station is a station (by definition), then it must able to be telecommanded.

In the special ops section on telecommand, there is absolutely nothing that says a station under automatic control cannot be telecommanded.

>I personally had my home station, when it was doing weather, lock up
>in TX. I discovered it when I cam home from work, the transmitter
>was scalding to the touch, and I have no idea how long it had been
>that way. Apparently no one knew how to contact me at work. I had
>not checked it before leaving that morning, so it's conceivable it
>was locked up for 12 hours or more. Obviously the watchdog timer
>didn't do its job. I will likely never leave an unattended station
>online, capable of transmitting, without supervision.
>

That is one case, 12 hours, in the thousands of transmitter-years APRS had racked up, though no doubt there are a few more similar stories out there. Against that, consider what remote weather stations have done for the NWS and general public, all the special events that APRS supported, the one or more stolen vehicles it has helped recover, all the loved-one's minds that have been reassured...that sure is a lot of good to throw away for a few hours of QRM!

Steve K4HG

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746. [aprssig] RE: REgistering PMAP.OCX in WinAPRS

From: Earl Needham <needhame@yucca.net>
Date: Fri, 21 Jun 2002 21:47:40 -0600
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-86179-2002.06.21-23.25.51--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

At 08:17 AM 6/22/2002 +1000, Andrew Rich wrote:
>Have you probed your registry to see if there is a need to de-register the
>.ocx ?

After THIS much trouble, I think I'm going to format and re-load.

7 3
Earl

Earl Needham, KD5XB, Clovis, New Mexico DM84jk
KD5XB-2>APW251,PCSAT-1*:=3425.83N/10313.55W-PHG7150/WinAPRS 2.5.1
-EARL_CLOVIS -251-<630>
Did you get a letter from Nigeria offering a "deal"? See
http://home.rica.net/alphae/419coal/ and
http://www.crimes-of-persuasion.com/Crimes/Business/nigerian.htm

---
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747. [aprssig] Is ISS on the air?

From: Bruce & Leigh Coates <bruce.coates@sk.sympatico.ca>
Date: Fri, 21 Jun 2002 21:51:45 -0600
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-86180-2002.06.21-23.29.09--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Hi.

I just tried monitoring the ISS downlink on the last two passes but heard nothing. I also took a look at www.ariss.net and it claims to have heard nothing for 16 to 26 days. Is the packet system on ISS currently on the air?

Thanks

Bruce - VE5BNC

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748. [aprssig] Re: help with tinytrak2 and tripmate!

From: "Bob K8YS & Janet N8LBR" <jbcraft@adelphia.net>
Date: Sat, 22 Jun 2002 00:10:12 -0400
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-86181-2002.06.21-23.49.51--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

I put the GPS/TT2 and radio on the deck and it never went into transmit. I see the yellow (busy channel) and red (power)leds.

Tomorrow, during the daylight, I need to verify that the GPS is even working.

Bob

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749. [aprssig] Re: Email & WinAPRS v 2.6.1

From: "Dick Stanich" <dick@kb7zva.com>
Date: Sat, 22 Jun 2002 0:11:38
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-86195-2002.06.22-00.48.59--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

On 06/21/02, ""Bill Guthrie" <willy3jax@telocity.com>" wrote:
> Does the email function of WinAPRS 2.6.1 work? I try to enable it and it
> won't. Any ideas?

As far as I know, it doesn't work <g>. Yes, we can send one-line emails.

I think your question was about the feature to 'Enable Igate One-Line Email (via SMTP)' in settings. One would assume that the function would allow any Igate to become an SMTP server, to forward emails from other APRS users.

Dick, KB7ZVA
APRSWest

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Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

750. [aprssig] Re: FW: Re: Question about trackers?

From: Bob Bruninga <bruninga@usna.edu>
Date: Sat, 22 Jun 2002 04:31:44 -0400 (EDT)
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: TAPR APRS Special Interest Group <aprssig@lists.tapr.org>
Message-ID: <LYR842-86201-2002.06.22-04.09.06--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

On Fri, 21 Jun 2002, Ray McKnight - WB3ABN wrote:

> I can never agree that your system of "telling someone else" to just
> turn it off is appropriate. That is just delegating your responsibility
> as control operator, and you CANNOT give control operator
> responsibilities to anyone other than a licensed Ham who is qualified to
> act in that capacity. Maybe it accomplishes the intended goal, but I
> don't think it comes anywhere near satisfying the intent of the section
> on control operator responsibilities.

This is getting crazy <grin>... The "intent" here is to turn off an
offending transmitter. If the transmitter gets turned off because I ask
someone to reach over and flip the switch for me, it is still under my
control.

I guess by these silly interpretations of the rules, one cannot be wearing
a pair of gloves when operating a HAM transmitter because you are not in
direct control. THe gloves which are un licensed, and not manufactured in
accordance with the rules are not allowed to be used in the control of a
tramnsmitter.
Further, there is no provision in the FCC rules that addresses controlling
a transmitter with gloves on, so therfore it must be illegal...

Geeze...

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---

751. [aprssig] Re: FW: Re: Question about trackers?

From: blitz <blitz@macronet.net>
Date: Sat, 22 Jun 2002 09:45:35 -0400
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: aprssig@lists.tapr.org
Message-ID: <LYR842-86214-2002.06.22-09.24.04--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Somehow this comes to mind....

"After having thus successively taken each member of the community in its
powerful grasp and fashioned him at will, the supreme power then extends
its arm over the whole community. It covers the surface of
society with a network of small and complicated rules, minute and uniform,
through which the most original minds and the most energetic characters
cannot penetrate, to rise above the crowd. The will of man is not
shattered, but softened, bent and guided; men are seldom forced by it to
act, but they are constantly restrained from acting. Such a power does not
destroy, but it prevents existence; it does not tyrannize, but it
compresses, ennervates, extinguishes and tupefies a people, till each
nation is reduced to nothing better than a flock of timid and industrious
animals, of which government is the shepherd."
-Alexis de Tocqueville

>This is getting crazy <grin>... The "intent" here is to turn off an
>offending transmitter. If the transmitter gets turned off because I ask
>someone to reach over and flip the switch for me, it is still under my
>control.
>
>I guess by these silly interpretations of the rules, one cannot be wearing
>a pair of gloves when operating a HAM transmitter because you are not in
>direct control. THe gloves which are un licensed, and not manufactured in
>accordance with the rules are not allowed to be used in the control of a
>tramnsmitter.
>Further, there is no provision in the FCC rules that addresses controlling
>a transmitter with gloves on, so therfore it must be illegal...
>
>Geeze...

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752. [aprssig] Re: FW: Re: Question about trackers?

From: "Mike Yetsko" <myetsko@insydesw.com>
Date: Sat, 22 Jun 2002 10:01:32 -0400
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-86215-2002.06.22-09.40.38--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

> This is getting crazy <grin>... The "intent" here is to turn off an
> offending transmitter. If the transmitter gets turned off because I ask
> someone to reach over and flip the switch for me, it is still under my
> control.

I know, this is nuts. Control operator does not automatically pass for the slightest touch of a piece of equipment. If someone has a repeater at their house, and the normal chain of control fails, a spouse doesn't suddenly become the control operator because someone makes a call home and say "Hey honey, the machine is sick, can you pull the plug?"

I think people are looking for questions here because they want to make an answer first.

Mike

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753. [aprssig] Messages

From: Robbie <mwrobertson@attbi.com>
Date: Sat, 22 Jun 2002 09:17:02 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-86216-2002.06.22-09.54.16--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Steve?

Have I missed a change or something on Findu's Message page?

There is a little box with from to time and message   but
nothing else...

Robbie, wa9inf

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754. [aprssig] New Scandinavian Pocket APRS maps!

From: Henk de Groot <henk.de.groot@hetnet.nl>
Date: Sat, 22 Jun 2002 16:37:09 +0200
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-86220-2002.06.22-10.17.23--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Hello All,

For your information.

There are new PocketAPRS maps, this time for Scandinavia (Norway, Sweden and Denmark) and one for Denmark. These are are also usable with APRS/CE, Xastir, MacAPRS and WinAPRS.

I know Sweden and Denmark well and is a shame I did not come up with these earlier...

Note dat the Scandinavian map is rather big, so if your palm is only 2 MB then you may encounter a storage space problem... I upgraded my palm to 8 MB and it is very nice to be able to hold some maps and some useful applications at the same time!

```
You can find the new maps, with other maps, on:
http://www.homepages.hetnet.nl/~pe1dnn/
or
http://home.hetnet.nl/~pe1dnn/
(You may have to reload the map if you have a cached copy).

Kind regards,

Henk.


---
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```

755. [aprssig] Re: FW: Re: Question about trackers?

```
From: "fred houghton" <ve7ffk@mail.ocis.net>
Date: Sat, 22 Jun 2002 08:46:18 -0700
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-86233-2002.06.22-11.24.24--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain
```

```
In Canada, Our Regulatory Body -- Industry Canada - would be happy to have
the offending unit Shut Down. No matter how. Period!
Cheers - Fred - VE7FFK


----- Original Message -----
From: "Mike Yetsko" <myetsko@insydesw.com>
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Sent: Saturday, June 22, 2002 7:01 AM
Subject: [aprssig] Re: FW: Re: Question about trackers?


> > This is getting crazy <grin>...  The "intent" here is to turn off an
> > offending transmitter.  If the transmitter gets turned off because I ask
> > someone to reach over and flip the switch for me, it is still under my
> > control.
>
> I know, this is nuts.  Control operator does not automatically pass for
> the slightest touch of a piece of equipment.  If someone has a repeater
> at their house, and the normal chain of control fails, a spouse doesn't
> suddenly become the control operator because someone makes a call
> home and say "Hey honey, the machine is sick, can you pull the plug?"
>
> I think people are looking for questions here because they want to make
> an answer first.
>
> Mike
>
>
>
>
> ---
> You are currently subscribed to aprssig as: ve7ffk@mail.ocis.net
> To unsubscribe send a blank email to leave-aprssig-842K@lists.tapr.org
> Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org
>
>



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```

756. [aprssig] Hit and Run: Batteries (Recap)

```
From: "Ev Tupis (W2EV)" <w2ev@arrl.net>
Date: Sat, 22 Jun 2002 22:15:08 -0400
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-86254-2002.06.22-21.52.32--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain
```

```
Hi Everyone,
A while ago I asked a question of the members of the sig.  It had to do with
battery types and which one was best suited to be used in an environment where
```

```
partial charging and partial discharging was the rule, rather than the
exception.

I received three replies.  The overall 'gist' is that the battery designed for
such things is the sealed lead-acid (gel cell).  Given the poor power density of
same the next best is Lithium Ion with the next best being a very distant third.

One other aspect that I hadn't mentioned -- but for which I've done web-based
research -- is the issue of overcharging.  It is obvious that best battery life
will be had by assuring overcharging doesn't occur either -- a function of the
charging system.

So...it looks like I'm going to look at a laptop solution with Lithium Ion
batteries with overcharge protection built-in.  My need is to explore this for a
public school system and want to go in with eyes open.

Thanks deeply to Mark, Steve and Terry for their insights.  My appologies to
those folks who rolled their eyes when I asked the question; knowing that the
sig just got over a v-e-r-y long thread on exactly this topic (I tried following
it, but there were so many hot opinions that seemed to contradict, I had to
ignore it after a while).

Thanks, Stan for the moment with the folks on a non APRS topic.

Returning to normal programming... <smile>

Ev,W2EV

--
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http://go.to/BEACONet


---
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```

757. [aprssig] MFJ-1270C on APRS

```
From: "Harvey Luke" <hdluke@charter.net>
Date: Sat, 22 Jun 2002 22:32:17 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-86261-2002.06.22-23.09.34--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain
```

```
I'm sure this has been dealt with before, but I'm new to this group.
I have an MFJ 1270C.  Can it be used as-is on APRS, or does it need any
modifications?

Thanks and 73
Harvey, KM4JA

http://www.qsl.net/km4ja


---
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```

758. [aprssig] Re: MFJ-1270C on APRS

```
From: "Tom Cooney" <tcooney1@hotmail.com>
Date: Sun, 23 Jun 2002 09:14:48 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-86327-2002.06.23-09.52.17--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain
```

```
I just got my 1270C working (with a little help from my friends) -  it
worked just find after I but in a fresh battery - the old weak battery was
causing lots of problems.

----- Original Message -----
From: "Harvey Luke" <hdluke@charter.net>
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Sent: Saturday, June 22, 2002 10:32 PM
Subject: [aprssig] MFJ-1270C on APRS


> I'm sure this has been dealt with before, but I'm new to this group.
```

> I have an MFJ 1270C. Can it be used as-is on APRS, or does it need any
> modifications?
>
> Thanks and 73
> Harvey, KM4JA
>
> http://www.qsl.net/km4ja
>
>
> ---
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> Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org
>
>

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759. [aprssig] Capture Kam Display

From: Glenn Wiebe <gswiebe@mb.sympatico.ca>
Date: Sun, 23 Jun 2002 10:51:08 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-86333-2002.06.23-11.28.30--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Hello all:

The settings of the Kam (all 175 or so) when configured for WAPRS 2.5.1
can be viewed with Windows/Terminal Window and typing Display. Anyone
know how to capture this info and save it as a text file? This could
come in handy some day - like after a hard reset. I could copy the file
to the WAPRS folder, rename it "inithf.tnc" and start the program. Of
course the pc and the Kam would have to be on speaking terms.

Thanks

Glenn...VE4GN

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760. [aprssig] Re: Capture Kam Display

From: Phil Reed <preed@dnaco.net>
Date: Sun, 23 Jun 2002 12:03:27 -0400
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-86334-2002.06.23-11.49.05--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

If you can't find a Log to File command, then pretend you're receiving a
text file. There should be a File Transfer command.

>The settings of the Kam (all 175 or so) when configured for WAPRS 2.5.1
>can be viewed with Windows/Terminal Window and typing Display. Anyone
>know how to capture this info and save it as a text file? This could
>come in handy some day - like after a hard reset. I could copy the file
>to the WAPRS folder, rename it "inithf.tnc" and start the program. Of
>course the pc and the Kam would have to be on speaking terms.
>
>Thanks
>
>Glenn...VE4GN

...phil / w8sca

"For a list of all the ways technology has failed
to improve the quality of life, press 3."

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761. [aprssig] PCsat at field Day

From: Bob Bruninga <bruninga@usna.edu>
Date: Sun, 23 Jun 2002 12:21:04 -0400 (EDT)
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: TAPR APRS SIG <aprssig@lists.tapr.org>
Message-ID: <LYR842-86335-2002.06.23-11.58.53--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Sorry folks (about PCsat):

About all you could hear from PCsat during the evening FD passes was faint little BEEPshssss... as the batteries were so low that they could not even get through a 1 second packet. Even so, I did copy the following successful users on the evening passses:

PCsat Sat PM East USA: K5OE, WB4APR, N8DEU, KB0VBZ, VE5AA, N1FD, N9IDH
PCsat Sun AM West USA: KD7HGL   <= copied on pcsat.aprs.org
UO-22 Sat PM East USA: N9IDH, W4JBB
NO-45: All you could hear were the two "OK" beeps. Digieater was inop.

PCsat should have worked... but.... At 2 AM friday night, I returned from 1 week family trip and 17 hour drive and at 3AM and 5AM, we had PCsat in the right mode and it was working fine. But sometime in the next several hours while conducting PCsat GPS operations from other command stations around the world, the GPS got left on, and it ran the batteries down.

Sorry about that...

de WB4APR@amsat.org, Bob

PCsat WEB page   http://www.ew.usna.edu/~bruninga/pcsat.html

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Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

762. [aprssig] Re: [amsat-bb] PCsat at field Day

From: "Joel Black" <jbblack1@earthlink.net>
Date: Sun, 23 Jun 2002 13:31:50 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: "TAPR APRS SIG" <aprssig@lists.tapr.org>
Message-ID: <LYR842-86340-2002.06.23-14.09.20--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Bob,

Thanks for the confirmation on UO22. I didn't know if I got out or not. Murphy bit really hard this year:

1. 1.2m Primestar dish is bent at some point - the focal point is off by about 6 inches. I found this on Friday and took it down and put back up my BBQ grill dish.

2. Tried to build another 2.4GHz dish on Saturday with an old 18" DSS dish. It rained on and off all day and I never got the antenna on my tower.

3. Due to the rain, all 6,435,987 Southern Yellow Pines in my yard were saturated and my signals on 70cm were severely attentuated.

4. Something appears to be wrong with my xcvr on SSB on both 2m and 70cm in which I only get about 10W out on both. HF seems fine on the same rig.

This was not a good year for FD from EM62!

Live and learn. I now have a year to prepare...

Better luck next year...

73,

Joel Black, W4JBB
w4jbb@amsat.org
jbblack1@earthlink.net

"Uvajed - The overwhelming
feeling that I've never been
here before."
-- Unknown

----- Original Message -----
From: "Bob Bruninga" <bruninga@usna.edu>
To: <amsat-bb@AMSAT.Org>
Cc: "TAPR APRS SIG" <aprssig@lists.tapr.org>
Sent: Sunday, June 23, 2002 11:21 AM
Subject: [amsat-bb] PCsat at field Day

> Sorry folks (about PCsat):
>
> About all you could hear from PCsat during the evening FD passes was faint
> little BEEPshssss... as the batteries were so low that they could not even
> get through a 1 second packet. Even so, I did copy the following
> successful users on the evening passses:
>
> PCsat Sat PM East USA: K5OE, WB4APR, N8DEU, KB0VBZ, VE5AA, N1FD, N9IDH
> PCsat Sun AM West USA: KD7HGL   <= copied on pcsat.aprs.org
> UO-22 Sat PM East USA: N9IDH, W4JBB
> NO-45: All you could hear were the two "OK" beeps. Digieater was inop.
>
> PCsat should have worked... but.... At 2 AM friday night, I returned from
> 1 week family trip and 17 hour drive and at 3AM and 5AM, we had PCsat in
> the right mode and it was working fine. But sometime in the next several
> hours while conducting PCsat GPS operations from other command stations
> around the world, the GPS got left on, and it ran the batteries down.
>
> Sorry about that...
>
> de WB4APR@amsat.org, Bob
>
> PCsat WEB page   http://www.ew.usna.edu/~bruninga/pcsat.html
>
> ----
> Via the amsat-bb mailing list at AMSAT.ORG courtesy of AMSAT-NA.
> To unsubscribe, send "unsubscribe amsat-bb" to Majordomo@amsat.org

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763. [aprssig] Interfacing OEM GPS receivers

From: "Gregory Beat" <gregory.beat@attbi.com>
Date: Sun, 23 Jun 2002 13:32:15 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-86342-2002.06.23-14.09.53--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

A large number of OEM GPS boards and GPS receivers have hit the surplus market over the last few months (BG Micro, eBay, hamfests and computer fairs, etc.) - which are being used for tracking OR timing applications. Many of these OEM GPS receivers require interfaces from TTL to RS-232 signals for operation with a PC or PDA.

Remember to MATCH the GPS receiver with the correct GPS antenna (Newer receivers and antennas are moving to 3 VDC, from the earlier 5 VDC)

Schematics, documentation and offerings for GPS receivers.

GARMINS
GPS-45XL, GPS-II and GPS-II+
http://www.cs.ukc.ac.uk/projects/mobicomp/Fieldwork/Notes/gps_if.html#garmin

Cables and connectors for Garmin handheld products (4 or 5 pin plugs)
http://pfranc.com/cables/index.shtml

http://pfranc.com/projects/g45contr/g45_idx.htm

eTrex and eMap GPS plugs
http://pfranc.com/projects/g45contr/emap/index.htm

TRIMBLES
Current Trimble OEM boards
http://www.trimble.com/oem_invehicle.html

SVeeSix-CM3 [BG Micro offering]
http://www.bgmicro.com/lmad.htm

SVeeSix-CM3 & Lassen-SK8
http://www.cs.ukc.ac.uk/projects/mobicomp/Fieldwork/Notes/gps_if.html#trimble

Interface circuit for Trimble and CMC (Canadian Marconi) Allstart GPS receivers
http://www.cs.ukc.ac.uk/projects/mobicomp/Fieldwork/Notes/gps_if.html#interface

Lassen-SK8
http://members.aol.com/footsix/pictures/lassen.pdf

TAPR
TAPR has the interface board semi-kits (and GPS receivers for sale) for the:

Motorola Oncore VP/UT+/GT+
http://www.tapr.org/tapr/html/Fvpib.html

Garmin GPS-20 and GPS-25
http://www.tapr.org/tapr/html/Fgarminib.html

W3IWI / TAPR TAC-2 (Totally Accurate Clock)
Interface and Timing applications for Trimble SK-8, Motorola Oncore
(including Basic/PVT-6) and Garmin GPS-20
http://www.tapr.org/tapr/html/Fvpib.html

MOTOROLA ONCORE

Vladimir Kollar's C-code and doucmentation
http://www.sto.astro.sk/oncore/oncore.html

Backward compatibility
http://www.synergy-gps.com/tn-495.pdf

Oncore M12 (12 channel units)
http://www.synergy-gps.com/M12_Oncore.html

Oncore M12+ adapter cards (available from Synergy)
Adapter card contains: 5 VDC to 3 VDC regulator circuit, use either a 3 VDC or 5 VDC GPS antenna,
option LNA. (Bottom of Page 1)
http://www.synergy-gps.com/Eval_Kits.pdf

MISC GPS links
http://www.ee.nmt.edu/~guilbert/gps_2001.html

w9gb

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764. [aprssig] Re: Question about trackers?

From: Bob Bruninga <bruninga@usna.edu>
Date: Sun, 23 Jun 2002 15:06:47 -0400 (EDT)
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: TAPR APRS Special Interest Group <aprssig@lists.tapr.org>
Message-ID: <LYR842-86343-2002.06.23-14.44.13--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

> You might want to ask the FCC what they thought, It couldn't hurt.,...

Never ever do that.
How many people work at the FCC? How many possible different answers can

you get? How many ways can you ask the question and get how many
different answers. How many different scenarios?

The rules are written. Your license permits you to operate within the
rules...

Enjoy....

Bob

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765. [aprssig] UIDIGI fix up...

From: Bob Bruninga <bruninga@usna.edu>
Date: Sun, 23 Jun 2002 18:04:29 -0400 (EDT)
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-86351-2002.06.23-17.41.56--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

In my list of digis that could be improved to help users, the following
UIDIGI digipeaters could be improved by providing the "U" overlay
character in the position report (instead of the "/" character)...

```
AI5TX-2   :!2945.62N/09522.17W#PHG9550 APRS DIGI UIDIGI 1.8b6 Houston b1
AI5TX-7   :!2952.51N/09653.75W#PHG7350 APRS DIGI UIDIGI 1.8b6 La Grange b1
W1LH-10   :!4523.35N/06747.83W#PHG5630/APRS MusqMt ME DIGI (UIDIGI 1.7) 2
KB5WBH-9  :!3534.13N/09042.83W#PHG3430/HBURG Harrisburg, Ar (UI-DIGI 1.8)
WA5LHS-1  :!3015.28N/09754.94W# (APRS DIGI UIDIGI 1.8b6 Austin ) 1
WD5IYT-1  :!3045.22N/09814.55W# (APRS DIGI UIDIGI 1.8b6 Burnet ) 1
WD5IYT-2  :!3019.33N/09748.05W# (APRS DIGI UIDIGI 1.8b6 Austin) 1
WR5AAA-6  :!2957.16N/09616.95W#PHG7350 (APRS DIGI UIDIGI 1.8b6 Bellville )
```

And it would be nice if they all had a PHG...
Thanks
de WB4APR, Bob

You are currently subscribed to aprssig as: lyris.aprssig@tapr.org
To unsubscribe send a blank email to leave-aprssig-842K@lists.tapr.org
Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

766. [aprssig] Northeast Digipeater fix up...

From: Bob Bruninga <bruninga@usna.edu>
Date: Sun, 23 Jun 2002 18:25:36 -0400 (EDT)
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: Robert Bruninga <bruninga@usna.edu>
Message-ID: <LYR842-86353-2002.06.23-18.03.01--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

NORTHEAST:

In my list of digis that could be improved to help users, the following
NORTHEAST digipeaters could be improved by providing the proper overlay
character in the position report (instead of the "/" character)...

```
VE1TPL    :!4532.55N/06405.66W#/APRS TPARC UDIGI2 - LYNN MTN, NS
W1KRU-2   :!4220.04N/07104.52W#PHG5660/HUB digi full ops relay wide trace
WA1WOK-3  :!4312.66N/07130.93W# NH-RELAY - NH Guard, Concord
WA2GUG-15 :!4043.63N607341.43W#HG5360 6&2 Meter W,T,R,G     <== Bad PHG?
W2AEE     :!4048.56N/07357.61W#PHG5430 Columbia University
            WIDE/RELAY/TRACE/WIDEn-n/TRACEn-n n2ygk@columbia.edu
KA2QYE-10 :!4237.70N/07400.70W#PHG6730/A=001688/W-R New Scotland NY
WB2RYB    :!4448.44N/07414.46W#PHG4668/A=1368 Malone Digi
2RYB      :!4448.44N/07414.46W#PHG4668/A=1368 Mane Digi
N2LBT-2   :!4247.45N/07419.23W#PHG7360/A=001443/W-R Oak Ridge,  NY
N2FOZ-15  :!4059.83N/07419.95W# Butler APRS Digi
WA2UEM-4  :!4050.97N/07429.64W#PHG2490/Parsippany, NJ OEM
VE3PGC    :!4508.50N/07449.93W#PHG4567/Cornwall WIDE Digi
KA3ODJ-8  :!4053.30N/07515.43W#PHG3520/WIDE Area APRS Digi Wind Gap, PA
N3FJA-1   :!4106.11N/07559.53W#PHG7260 Dorrance Township, PA. Wide/Relay/Trace
N2NMH     :!3655.10N/07613.03W#PHG5250/Digi n2nmh@arrl.net
```

```
VE3LCA    :!4452.60N/07620.20W#APRS LANARK CTY. ARES
VE3UEL    :!4425.60N/07638.33W#PHG5440 HolforCrator Wide Area Digi
VE3DVQ    :!4502.74N/07640.12W#APRS LAVANT WIDE
K3RAM-1   :!3903.57N/07657.23W#APRS QRT @121406z
N3NBA-2   :!4016.55N/07716.60W#PHG3230 Waggoner's Gap, Carlisle, Pa.
VE3MHZ    :!4414.05N/07724.95W#PHG2130 Corbyville Digi
K4MQF-1   :!3818.01N.07727.43W#PHG6460 K4MQF Fredericksburg,VA APRS Digi01
N8YIB-2   :!3934.92NM07853.88W#P(G5760/W-R-T-G xT+Q:/~N8YIB/OUTBACK.FTML
W4ONM     :!3603.78n/07946.77w#      W4ONM   S.E.GSO      190 Feet
```

The correct overlay characters are:

R if RELAY only
W if RELAY and WIDE
T if RELAY,WIDE and TRACE
N if WIDEn-N (and relay,wide and trace)
I if WIDEn-N (and realy,wide and trace) but ID is set to ON
J if Just WIDEn-N and no others supported
U if UIdigi
D if DIGI_NED software

And it would be nice if they all had a PHG... Thanks de WB4APR, Bob

---
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Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

767. [aprssig] Re: Northeast Digipeater fix up...

From: Byron Smith <wa6ylb@theworks.com>
Date: Sun, 23 Jun 2002 15:50:11 -0700
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-86355-2002.06.23-18.35.31--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Lets make a deal. We fix the digis when we get new
versions of aprsdos. (with the bug reports from the last two years applied)

At 06:25 PM 06/23/2002 -0400, you wrote:
>NORTHEAST:
>
>In my list of digis

Byron Smith
wa6ylb@theworks.com

http://www.theworks.com/~wa6ylb

What was the best thing before sliced bread?

---
You are currently subscribed to aprssig as: lyris.aprssig@tapr.org
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Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

768. [aprssig] Re: PCsat at field Day

From: Bruce & Leigh Coates <bruce.coates@sk.sympatico.ca>
Date: Sun, 23 Jun 2002 17:23:39 -0600
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: TAPR APRS SIG <aprssig@lists.tapr.org>
Message-ID: <LYR842-86357-2002.06.23-19.01.03--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

On Saturday evening VE5AA copied the following stations via PCSat:
K5PRK, W6YDG, WB4APR, KD7HGL and ourselves, VE5AA.

There may have been more but the RF from our 20m station caused my TNC to
keep resetting itself. I've never had that happen before. That's Field Day
for you!

73 - Bruce - VE5BNC

----- Original Message -----
From: Bob Bruninga <bruninga@usna.edu>

To: TAPR APRS Special Interest Group <aprssig@lists.tapr.org>
Cc: TAPR APRS SIG <aprssig@lists.tapr.org>
Sent: June 23, 2002 10:21 AM
Subject: [aprssig] PCsat at field Day

> Sorry folks (about PCsat):
>
> About all you could hear from PCsat during the evening FD passes was faint
> little BEEPshssss... as the batteries were so low that they could not even
> get through a 1 second packet. Even so, I did copy the following
> successful users on the evening passses:
>
> PCsat Sat PM East USA: K5OE, WB4APR, N8DEU, KB0VBZ, VE5AA, N1FD, N9IDH
> PCsat Sun AM West USA: KD7HGL   <= copied on pcsat.aprs.org
> UO-22 Sat PM East USA: N9IDH, W4JBB
> NO-45: All you could hear were the two "OK" beeps. Digieater was inop.
>
> PCsat should have worked... but.... At 2 AM friday night, I returned from
> 1 week family trip and 17 hour drive and at 3AM and 5AM, we had PCsat in
> the right mode and it was working fine. But sometime in the next several
> hours while conducting PCsat GPS operations from other command stations
> around the world, the GPS got left on, and it ran the batteries down.
>
> Sorry about that...
>
> de WB4APR@amsat.org, Bob
>
> PCsat WEB page   http://www.ew.usna.edu/~bruninga/pcsat.html
>
>
> ---
> You are currently subscribed to aprssig as: bruce.coates@sk.sympatico.ca
> To unsubscribe send a blank email to leave-aprssig-842K@lists.tapr.org
> Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org
>

You are currently subscribed to aprssig as: lyris.aprssig@tapr.org
To unsubscribe send a blank email to leave-aprssig-842K@lists.tapr.org
Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

---

769. [aprssig] DIGIpeater CAPABILITIES MAP

From: Bob Bruninga <bruninga@usna.edu>
Date: Sun, 23 Jun 2002 20:09:58 -0400 (EDT)
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-86362-2002.06.23-19.47.26--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

DIGIpeater SYSOPS check out this web page. It is a map of the 160 digis
in the USA that do not have any Overlay character on them to show users
what capabilities are avaialble in their areas.

http://www.ew.usna.edu/~bruninga/digi-overlays.html

This is not meant as criticism at all. I konw how hard it is to
get-around-to-it. This is meant just as a reminder that when someone has
the time, it would be nice if all digipeaters included the Overlay
character to show users what capabilities are avaialble in a given area...

Once we get all the digipeates marked, then it will be trivial to use
javAPRS to show a LIVE digipeater MAP colored by what kind of DIGI
capabilities are avaiable in each area...

This is the long term goal.. So, check out the map and lets see if we can
eventually upgrade these digis...

Thanks

de WB4APR, Bob

You are currently subscribed to aprssig as: lyris.aprssig@tapr.org
To unsubscribe send a blank email to leave-aprssig-842K@lists.tapr.org
Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

770. [aprssig] low memory battery

```
From: Kevin Deckert <kdeckert@mercuryspeed.com>
Date: Sun, 23 Jun 2002 08:04:08 -0700
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-86369-2002.06.23-22.38.50--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain
```

```
My Garmin 12xl is telling me it has a low memory battery? Do I need to
send it to a dealer???
ve7whk



---
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Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org
```

771. [aprssig] Great Plains Super Launch (GPSL) 2002 announcement

```
From: "Mark Conner" <n9xtn@cox.net>
Date: Sun, 23 Jun 2002 22:08:58 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-86370-2002.06.23-22.46.42--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain
```

```
Plans are well underway for the second annual Great Plains Super
Launch, to be held in Manhattan KS over the 4th of July weekend.
The activities begin with a symposium on the Kansas State
University campus on Friday the 5th at 9am CDT, where a number of
Amateur Radio high-altitude balloon groups will give
presentations about their group, plus some in-depth presentations
about various aspects of this hobby.

The launch itself is scheduled for Saturday, July 6th, between
approximately 1200 and 1400 UTC from a site about 9 miles south
of Manhattan (39 deg 05.072' N 96 deg 39.343' W).  At present,
seven balloons are scheduled to be launched that morning.  If
Saturday's weather is unfavorable, the backup date is Sunday the
7th.

There are a variety of payloads planned to be launched.  Six will
have APRS,  three will have 70cm ATV, three will have a simplex
repeater, and two will have a cross-band repeater.  In all, 6m,
2m, 1.2m, and 70cm will be utilized for this event.  We will use
144.34 MHz as the primary APRS frequency for this event, and hope
to have I-gate coverage from a station in the region.

More information, including frequencies and callsigns, can be
found at http://users.crosspaths.net/~wallio/GPSL2002.html or by
e-mailing me.  Anyone interested is invited to attend the
symposium and launch free of charge.

73 de Mark N9XTN
------
Mark D. Conner
E-mail: n9xtn@arrl.net
Homepage: http://members.cox.net/mconner1
"Arrogance and stupidity, all in the same package.....how
 efficient of you!"   -  Ambassador Londo Mollari, Babylon 5








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Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org
```

772. [aprssig] Re: DIGIpeater CAPABILITIES MAP

```
From: "Ronald Reams" <wa4mjf@worldnet.att.net>
Date: Sun, 23 Jun 2002 20:50:01 -0400
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: <W4EAT@ARRL.NET>
Message-ID: <LYR842-86393-2002.06.24-00.57.17--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain
```

I noted one of those on the map was the
State EOC Warehouse (K4OGB) for NC.

It is the station there and does have RELAY
alias.

The warehouse was recently mnoved from Raleigh.

What sorta overlya should it have.

73 de Ronnie

----- Original Message -----
From: "Bob Bruninga" <bruninga@usna.edu>
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Sent: Sunday, June 23, 2002 20:09
Subject: [aprssig] DIGIpeater CAPABILITIES MAP

DIGIpeater SYSOPS check out this web page. It is a map of the 160 digis
in the USA that do not have any Overlay character on them to show users
what capabilities are avaialble in their areas.

http://www.ew.usna.edu/~bruninga/digi-overlays.html

This is not meant as criticism at all. I konw how hard it is to
get-around-to-it. This is meant just as a reminder that when someone has
the time, it would be nice if all digipeaters included the Overlay
character to show users what capabilities are avaialble in a given area...

Once we get all the digipeates marked, then it will be trivial to use
javAPRS to show a LIVE digipeater MAP colored by what kind of DIGI
capabilities are avaiable in each area...

This is the long term goal.. So, check out the map and lets see if we can
eventually upgrade these digis...

Thanks

de WB4APR, Bob

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Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

773. [aprssig] Re: DIGIpeater CAPABILITIES MAP

From: "Ronald Reams" <wa4mjf@worldnet.att.net>
Date: Sun, 23 Jun 2002 20:53:25 -0400
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: <W4EAT@ARRL.NET>
Message-ID: <LYR842-86394-2002.06.24-00.57.26--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Darn, tired from Field Day!

Corrected copy:
----- Original Message -----
From: "Ronald Reams" <wa4mjf@worldnet.att.net>
To: "Bob Bruninga" <bruninga@usna.edu>; "TAPR APRS Special Interest Group"
<aprssig@lists.tapr.org>
Cc: <W4EAT@ARRL.NET>
Sent: Sunday, June 23, 2002 20:50
Subject: Re: [aprssig] DIGIpeater CAPABILITIES MAP

I noted one of those on the map was the
State EOC Warehouse (K4OGB) for NC.

It is the station there and does have RELAY
alias.

The warehouse was recently moved from Raleigh.

What sorta overlay should it have?

73 de Ronnie

----- Original Message -----
From: "Bob Bruninga" <bruninga@usna.edu>
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Sent: Sunday, June 23, 2002 20:09
Subject: [aprssig] DIGIpeater CAPABILITIES MAP

DIGIpeater SYSOPS check out this web page. It is a map of the 160 digis in the USA that do not have any Overlay character on them to show users what capabilities are avaialble in their areas.

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This is the long term goal.. So, check out the map and lets see if we can eventually upgrade these digis...

Thanks

de WB4APR, Bob

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Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

774. [aprssig] Re: DIGIpeater CAPABILITIES MAP

From: "Ronald Reams" <wa4mjf@worldnet.att.net>
Date: Sun, 23 Jun 2002 20:51:55 -0400
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: <W4EAT@ARRL.NET>
Message-ID: <LYR842-86398-2002.06.24-01.09.10--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Correctged copy:
----- Original Message -----
From: "Ronald Reams" <wa4mjf@worldnet.att.net>
To: "Bob Bruninga" <bruninga@usna.edu>; "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: <W4EAT@ARRL.NET>
Sent: Sunday, June 23, 2002 20:50
Subject: Re: [aprssig] DIGIpeater CAPABILITIES MAP

I noted one of those on the map was the
State EOC Warehouse (K4OGB) for NC.

It is the station there and does have RELAY
alias.

The warehouse was recently moved from Raleigh.

What sorta overlay should it have?

73 de Ronnie

----- Original Message -----
From: "Bob Bruninga" <bruninga@usna.edu>

To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Sent: Sunday, June 23, 2002 20:09
Subject: [aprssig] DIGIpeater CAPABILITIES MAP

DIGIpeater SYSOPS check out this web page. It is a map of the 160 digis in the USA that do not have any Overlay character on them to show users what capabilities are avaialble in their areas.

http://www.ew.usna.edu/~bruninga/digi-overlays.html

This is not meant as criticism at all. I konw how hard it is to get-around-to-it. This is meant just as a reminder that when someone has the time, it would be nice if all digipeaters included the Overlay character to show users what capabilities are avaialble in a given area...

Once we get all the digipeates marked, then it will be trivial to use javAPRS to show a LIVE digipeater MAP colored by what kind of DIGI capabilities are avaiable in each area...

This is the long term goal.. So, check out the map and lets see if we can eventually upgrade these digis...

Thanks

de WB4APR, Bob

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Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

---

775. [aprssig] Re: low memory battery

From: "Mike Yetsko" <myetsko@insydesw.com>
Date: Mon, 24 Jun 2002 07:41:32 -0400
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-86410-2002.06.24-07.21.33--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

I don't have a 12XL, but I believe on that model there is an internal lithium cell that is 'inside' the waterproof seals. That means it has to go back to get resealed after replacement.

I don't know how hard it is to do the battery yourself.

Mike

----- Original Message -----
From: "Kevin Deckert" <kdeckert@mercuryspeed.com>
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Sent: Sunday, June 23, 2002 11:04 AM
Subject: [aprssig] low memory battery

> My Garmin 12xl is telling me it has a low memory battery? Do I need to
> send it to a dealer???
> ve7whk
>
>
> ---
> You are currently subscribed to aprssig as: myetsko@insydesw.com
> To unsubscribe send a blank email to leave-aprssig-842K@lists.tapr.org
> Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org
>
>

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To unsubscribe send a blank email to leave-aprssig-842K@lists.tapr.org
Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

---

776. [aprssig] Re: MFJ-1270C on APRS

From: "Tom Cooney" <tcooney1@hotmail.com>
Date: Mon, 24 Jun 2002 07:30:51 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-86413-2002.06.24-08.08.21--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

```
Attached is a "disp" from the 1270C.

Tom
----- Original Message -----
From: "VE3DTV" <ve3dtv@mountaincable.net>
To: <tcooney1@hotmail.com>
Sent: Sunday, June 23, 2002 9:57 AM
Subject: Fw: [aprssig] Re: MFJ-1270C on APRS


> Hi Tom
>
> Would you be kind enough to share with us a copy of your parameter file
> inside the tnc.
>
> 73 de Peter (VE3DTV)
>
> ----- Original Message -----
> From: "Tom Cooney" <tcooney1@hotmail.com>
> To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
> Sent: Sunday, June 23, 2002 10:14 AM
> Subject: [aprssig] Re: MFJ-1270C on APRS
>
>
> > I just got my 1270C working (with a little help from my friends) -  it
> > worked just find after I but in a fresh battery - the old weak battery
was
> > causing lots of problems.
> >
> > ----- Original Message -----
> > From: "Harvey Luke" <hdluke@charter.net>
> > To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
> > Sent: Saturday, June 22, 2002 10:32 PM
> > Subject: [aprssig] MFJ-1270C on APRS
> >
> >
> > > I'm sure this has been dealt with before, but I'm new to this group.
> > > I have an MFJ 1270C.  Can it be used as-is on APRS, or does it need
any
> > > modifications?
> > >
> > > Thanks and 73
> > > Harvey, KM4JA
> > >
> > > http://www.qsl.net/km4ja
> > >
> > >
> > > ---
> > > You are currently subscribed to aprssig as: tcooney1@hotmail.com
> > > To unsubscribe send a blank email to
leave-aprssig-842K@lists.tapr.org
> > > Questions regarding the SIG go to the SIG administrator:
wa1lou@tapr.org
> > >
> > >
> >
> > ---
> > You are currently subscribed to aprssig as: ve3dtv@mountaincable.net
> > To unsubscribe send a blank email to leave-aprssig-842K@lists.tapr.org
> > Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org
> >
> >
>
>
```

[Attachment: tncparms.txt; text/plain; 1,774 bytes]

777. [aprssig] Re: DIGIpeater CAPABILITIES MAP

From: Bob Bruninga <bruninga@usna.edu>
Date: Mon, 24 Jun 2002 08:49:49 -0400 (EDT)
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: TAPR APRS Special Interest Group <aprssig@lists.tapr.org>,
<W4EAT@ARRL.NET>
Message-ID: <LYR842-86414-2002.06.24-08.27.18--lyris.aprssig#tapr.org@lists.tapr.org>

Rendered body type: text/plain

```
On Sun, 23 Jun 2002, Ronald Reams wrote:

> I noted one of those on the map was the
> State EOC  Warehouse (K4OGB) for NC.
> It is the station there and does have RELAY
> alias.
>
> What sorta overlya should it have.

Well, since every APRS station except mobiles is supposed to have the
alias of RELAY, then it seems to me that an EOC should not be using the
DIGIpeater ICON.  Use the EOC icon or (if this is a remote warehouse not
near the actual EOC, then use sokmething else).  Or if it is really only a
TNC with no PC or users or no other application at all and is  intended as
a RELAY only fill in digi, then overlay it with an "R".

Thanks for considering this
Bob



---
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To unsubscribe send a blank email to leave-aprssig-842K@lists.tapr.org
Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org
```

778. [aprssig] Re: DIGIpeater CAPABILITIES MAP

From: "J.Duffy Beischel" <wb8nut@arrl.net>
Date: Mon, 24 Jun 2002 8:23:6
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-86418-2002.06.24-09.00.30--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

```
I did not know that....learn something every day.  I'll fix it tonight.

Duffy
www.wb8nut.com

---
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Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org
```

779. [aprssig] Re: help with tinytrak2 and tripmate!

From: "J.Duffy Beischel" <wb8nut@arrl.net>
Date: Mon, 24 Jun 2002 8:29:14
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-86419-2002.06.24-09.06.38--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

```
Bob,

As long as the yellow LED is on, the TT will not transmit.  Have you
adjusted the level of receiver pot so that the yellow LED is only on when a
signal is present?

Is the green LED lit or flashing when the GPS in on and connected?

I've built three of these now and use the eTrex.

Lemme know.

Duffy

---
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Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org
```

780. [aprssig] Re: DIGIpeater CAPABILITIES MAP

From: "Ronald Reams" <wa4mjf@worldnet.att.net>
Date: Mon, 24 Jun 2002 09:53:58 -0400
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>,
 <W4EAT@ARRL.NET>
Message-ID: <LYR842-86423-2002.06.24-09.31.40--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

It does have the EOC Icon!

73 de Ronnie

----- Original Message -----
From: "Bob Bruninga" <bruninga@usna.edu>
To: "Ronald Reams" <wa4mjf@worldnet.att.net>
Cc: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>;
<W4EAT@ARRL.NET>
Sent: Monday, June 24, 2002 08:49
Subject: Re: [aprssig] DIGIpeater CAPABILITIES MAP

On Sun, 23 Jun 2002, Ronald Reams wrote:

> I noted one of those on the map was the
> State EOC Warehouse (K4OGB) for NC.
> It is the station there and does have RELAY
> alias.
>
> What sorta overlya should it have.

Well, since every APRS station except mobiles is supposed to have the alias of RELAY, then it seems to me that an EOC should not be using the DIGIpeater ICON. Use the EOC icon or (if this is a remote warehouse not near the actual EOC, then use sokmething else). Or if it is really only a TNC with no PC or users or no other application at all and is intended as a RELAY only fill in digi, then overlay it with an "R".

Thanks for considering this
Bob

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Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

---

781. [aprssig] RE: Hit and Run: Batteries (Recap)

From: LAIRD STANTON <LAIRD_STANTON@alexandria-emh1.army.mil>
Date: Mon, 24 Jun 2002 10:14:26 -0400
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-86425-2002.06.24-09.54.22--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Ev,

What was the gist of your findings on the Ovonic cells (Li metal halide, LiMH)? Also on their care and feeding? All of my (dated) experience has been with NiCads, of which I have dozens.

Laird
N3HLL

-----Original Message-----
From: "Ev Tupis (W2EV)" <w2ev@arrl.net>@AMC
Sent: Saturday, June 22, 2002 7:15 PM
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Subject: [aprssig] Hit and Run: Batteries (Recap)

(Embedded image moved to file: pic04211.pcx)
Hi Everyone,
A while ago I asked a question of the members of the sig. It had to do with
battery types and which one was best suited to be used in an environment where
partial charging and partial discharging was the rule, rather than the
exception.

[Attachment: pic04211.pcx; application/octet-stream; 2,707 bytes]

---

782. [aprssig] Something old - WHOIS server

From: Dick Reichenbach <dreichen@columbus.rr.com>
Date: Mon, 24 Jun 2002 10:21:53 -0400

To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-86429-2002.06.24-09.58.06--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

When I first started using APRS a mere 2 years ago, I used the WHOIS
service quite a bit. Now it seems to be gone, at least in this area.
What software supports it and is anyone still running it?

For those who are scratching their heads, I could send a message to
WHOIS CallSign, and the excerpt from the FCC database would comeback to
you via APRS Messaging.

Dick Reichenbach - KC8OBZ

---
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Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

783. [aprssig] Re: UIDIGI fix up...

From: Greg Jurrens <greg@jurrens.net>
Date: Mon, 24 Jun 2002 09:37:06 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: aprssig@lists.tapr.org
Message-ID: <LYR842-86430-2002.06.24-10.14.40--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Bob:

We control or support all of the digi's listed below EXCEPT W1LH-10 and KB5WBH-9.
We'll put a plan together to update them with the "U" ASAP.

With regard to PHG, we've had an ongoing discussion regarding it's functionality. Since we have repeaters at most of these sites, we know what the actual coverage is. The difficulty has been to come up with a corresponding PHG that will accurately represent the coverage pattern. One of our members has been playing with an Excel spreadsheet to do this. Suggestions?

73,

Greg
WD0ACD
Armadillo Intertie Inc.
www.armadillo.org

On Sun, 23 Jun 2002 18:04:29 -0400 (EDT)
Bob Bruninga <bruninga@usna.edu> wrote:

```
> In my list of digis that could be improved to help users, the following
> UIDIGI digipeaters could be improved by providing the "U" overlay
> character in the position report (instead of the "/" character)...
>
> AI5TX-2   :!2945.62N/09522.17W#PHG9550 APRS DIGI UIDIGI 1.8b6 Houston b1
> AI5TX-7   :!2952.51N/09653.75W#PHG7350 APRS DIGI UIDIGI 1.8b6 La Grange b1
> W1LH-10   :!4523.35N/06747.83W#PHG5630/APRS MusqMt ME DIGI (UIDIGI 1.7) 2
> KB5WBH-9  :!3534.13N/09042.83W#PHG3430/HBURG Harrisburg, Ar (UI-DIGI 1.8)
> WA5LHS-1  :!3015.28N/09754.94W# (APRS DIGI UIDIGI 1.8b6 Austin ) 1
> WD5IYT-1  :!3045.22N/09814.55W# (APRS DIGI UIDIGI 1.8b6 Burnet ) 1
> WD5IYT-2  :!3019.33N/09748.05W# (APRS DIGI UIDIGI 1.8b6 Austin) 1
> WR5AAA-6  :!2957.16N/09616.95W#PHG7350 (APRS DIGI UIDIGI 1.8b6 Bellville )
>
> And it would be nice if they all had a PHG...
> Thanks
> de WB4APR, Bob
>
>
>
>
> ---
> You are currently subscribed to aprssig as: greg@jurrens.net
> To unsubscribe send a blank email to leave-aprssig-842K@lists.tapr.org
> Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org
>
>
```

--
Greg Jurrens - WD0ACD

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Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

784. [aprssig] Re: DIGIpeater CAPABILITIES MAP

From: Bob Bruninga <bruninga@usna.edu>
Date: Mon, 24 Jun 2002 11:03:12 -0400 (EDT)
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: TAPR APRS Special Interest Group <aprssig@lists.tapr.org>,
 <W4EAT@ARRL.NET>
Message-ID: <LYR842-86433-2002.06.24-10.40.43--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

```
On Mon, 24 Jun 2002, Ronald Reams wrote:

> It does have the EOC Icon!

Ah ha! GOing back and looking at the raw data captured from the internet,
I see that that line is garbled by the internet, so what was plotted on
the maps was bad data..

Here is what was in that file under that call:
K4OGB     :=3521.  N/08012.  WoW4GS-5>APRSW,N1NFC-1*:!3354.81NN07902.70W#PHG7460

It appears to be a concatination of two packets.  And in fact, it does
show the EOC icon (o).  But the database filter used to build those maps
was based on "W#" which it picked up from the second half..

So no problem at all with that station.

Bob

so >
> 73 de Ronnie
>
>
> ----- Original Message -----
> From: "Bob Bruninga" <bruninga@usna.edu>
> To: "Ronald Reams" <wa4mjf@worldnet.att.net>
> Cc: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>;
> <W4EAT@ARRL.NET>
> Sent: Monday, June 24, 2002 08:49
> Subject: Re: [aprssig] DIGIpeater CAPABILITIES MAP
>
>
> On Sun, 23 Jun 2002, Ronald Reams wrote:
>
> > I noted one of those on the map was the
> > State EOC  Warehouse (K4OGB) for NC.
> > It is the station there and does have RELAY
> > alias.
> >
> > What sorta overlya should it have.
>
> Well, since every APRS station except mobiles is supposed to have the
> alias of RELAY, then it seems to me that an EOC should not be using the
> DIGIpeater ICON.  Use the EOC icon or (if this is a remote warehouse not
> near the actual EOC, then use sokmething else).  Or if it is really only a
> TNC with no PC or users or no other application at all and is  intended as
> a RELAY only fill in digi, then overlay it with an "R".
>
> Thanks for considering this
> Bob
>
>
>

de WB4APR@amsat.org, Bob

PCsat WEB  page     http://www.ew.usna.edu/~bruninga/pcsat.html
ISS-APRS FAQ:       http://www.ew.usna.edu/~bruninga/iss-faq.html
CUBESAT Designs     http://www.ew.usna.edu/~bruninga/cubesat.html
APRS LIVE pages     http://www.ew.usna.edu/~bruninga/aprs.html
APRS SATELLITES     http://www.ew.usna.edu/~bruninga/astars.html
MIM/Mic-E/Mic-Lite  http://www.toad.net/~wclement/bruninga/mic-lite.html


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---

785. [aprssig] Re: UIDIGI fix up...

From: Bob Bruninga <bruninga@usna.edu>
Date: Mon, 24 Jun 2002 11:09:10 -0400 (EDT)
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: aprssig@lists.tapr.org
Message-ID: <LYR842-86434-2002.06.24-10.46.41--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

```
On Mon, 24 Jun 2002, Greg Jurrens wrote:

> Bob:
>
> We control or support all of the digi's listed below EXCEPT W1LH-10 and KB5WBH-9.
> We'll put a plan together to update them with the "U" ASAP.

Thanks!  this is good news..
>
> With regard to PHG, we've had an ongoing discussion regarding it's
> functionality.  Since we have repeaters at most of these sites, we know
> what the actual coverage is.  The difficulty has been to come up with a
> corresponding PHG that will accurately represent the coverage pattern.
> One of our members has been playing with an Excel spreadsheet to do
> this.  Suggestions?

It is a problem.  THE PHG's all appear to be very optimistic.  And they
DO somewhat work for non-moving base stations.  But for mobiles, the
range to the same digi is much-much worse...

This is because mobile multipath flutter creates 30 dB fades while a car
is in motion. No problem for voice, but disasterous for packets which must
be perfectly error free.

I think it is time to revamp all PHG displays to povide TWO circles.  One
for basestations and one for mobiles...  now th equestion is, what is the
reliable mobile range?  Any input would be appreciated!

Thanks
bob
 > 73, >
> Greg
> WD0ACD
> Armadillo Intertie Inc.
> www.armadillo.org
>
>
> On Sun, 23 Jun 2002 18:04:29 -0400 (EDT)
> Bob Bruninga <bruninga@usna.edu> wrote:
>
> > In my list of digis that could be improved to help users, the following
> > UIDIGI digipeaters could be improved by providing the "U" overlay
> > character in the position report (instead of the "/" character)...
> >
> > AI5TX-2   :!2945.62N/09522.17W#PHG9550 APRS DIGI UIDIGI 1.8b6 Houston b1
> > AI5TX-7   :!2952.51N/09653.75W#PHG7350 APRS DIGI UIDIGI 1.8b6 La Grange b1
> > W1LH-10   :!4523.35N/06747.83W#PHG5630/APRS MusqMt ME DIGI (UIDIGI 1.7) 2
> > KB5WBH-9  :!3534.13N/09042.83W#PHG3430/HBURG Harrisburg, Ar (UI-DIGI 1.8)
> > WA5LHS-1  :!3015.28N/09754.94W# (APRS DIGI UIDIGI 1.8b6 Austin ) 1
> > WD5IYT-1  :!3045.22N/09814.55W# (APRS DIGI UIDIGI 1.8b6 Burnet ) 1
> > WD5IYT-2  :!3019.33N/09748.05W# (APRS DIGI UIDIGI 1.8b6 Austin) 1
> > WR5AAA-6  :!2957.16N/09616.95W#PHG7350 (APRS DIGI UIDIGI 1.8b6 Bellville )
> >
> > And it would be nice if they all had a PHG...
> > Thanks
> > de WB4APR, Bob
> >
> >
> >
> >
> > ---
> > You are currently subscribed to aprssig as: greg@jurrens.net
> > To unsubscribe send a blank email to leave-aprssig-842K@lists.tapr.org
> > Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org
> >
> >
>
```

```
>
> --
> Greg Jurrens - WD0ACD
>

de WB4APR@amsat.org, Bob

PCsat WEB  page     http://www.ew.usna.edu/~bruninga/pcsat.html
ISS-APRS FAQ:       http://www.ew.usna.edu/~bruninga/iss-faq.html
CUBESAT Designs     http://www.ew.usna.edu/~bruninga/cubesat.html
APRS LIVE pages     http://www.ew.usna.edu/~bruninga/aprs.html
APRS SATELLITES     http://www.ew.usna.edu/~bruninga/astars.html
MIM/Mic-E/Mic-Lite  http://www.toad.net/~wclement/bruninga/mic-lite.html


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```

786. [aprssig] Re: UIDIGI fix up...

From: "Sadowski, Allan" <allan.sadowski@ncshp.org>
Date: Mon, 24 Jun 2002 11:21:51 -0400
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-86436-2002.06.24-10.59.19--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

```
Reminds me of a test I did a couple of years back...

While on a trip from Wilmington back to Raleigh, I listened for a certain
highly placed Digipeater here in NC (KD4PBS).  Because nothing was heard
along I40 coming out of Wilmington... I just kept monitoring....

I started hearing broken packets at 50 miles from the digi... I decoded the
first packet at 30 miles from the digi... and I started getting solid
decodes on all packets at 20 miles from the digi.

This was using a Kenwood D7.... with a quarter wavelength mag mount ....
obviously with better antenna and better receiver the "milage" would vary...

An interesting idea... one we use for our Mobile Data in the Public Safety
sector.... there we have Tower coverage maps... but what we USE is the
"talkback" maps.... the operative portion of the communications being the
limitations of the mobile (given they have much lower power output than the
tower... and a much more compromised antenna and antenna location (on the
vehicles)...

I'd say this would be a good idea ....   now the killer issue... maybe the
two "rings" should be for a 5watt mobile with a rubber duck antenna... and a
25watt mobile with a good (but "average") external antenna...

my 2 cents... and it follows what is used in the Public Safety sector for
showing coverage maps....

ALOHA
AH6LS

> -----Original Message-----
> From: Bob Bruninga [SMTP:bruninga@usna.edu]
>
> I think it is time to revamp all PHG displays to povide TWO circles.  One
> for basestations and one for mobiles...  now th equestion is, what is the
> reliable mobile range?  Any input would be appreciated!
>
>

---
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```

787. [aprssig] ahubca.net Stability

From: "Phil Pacier, AD6NH" <ad6nh@arrl.net>
Date: Mon, 24 Jun 2002 10:55:32
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-86454-2002.06.24-11.32.54--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Ahubca.net and its related ports have been very unstable for the past 2 weeks due to problems with my ISP, Earthlink. This morning, some work was done and things look great so far on my end. You should no longer have connectivity issues, but if you do, please contact me. Thanks for your patience.

Phil Pacier - AD6NH
Southwest CA Skywarn Coordinator
www.ahubca.net
port 10152 = World Feed
port 14579 = CA Feed
port 14580 = US Central States

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To unsubscribe send a blank email to leave-aprssig-842K@lists.tapr.org
Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

788. [aprssig] Re: UIDIGI fix up...

From: Mark Cheavens <mcheavens@usa.net>
Date: Mon, 24 Jun 2002 11:13:28 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>,
aprssig@lists.tapr.org, Brent Hildebrand <bhildebrand@earthlink.net>
Message-ID: <LYR842-86456-2002.06.24-11.50.43--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

http://www.cheavens.com/mark/radio/packetradio/PHGAPRS.xls

This is the link to the spreadsheet in question. There are actually TWO problems with PHG currently.

If I use the proper PHG numbers for the AI5TX-2 digi in Houston it would yield a radius of 86 miles. This is NOT possible!
(110W 500ft 5dbd)

Instead I adjust all numbers to show a "real world" radius for mobile users.

The secondary problem has to do with APRS SA+ (not a problem of the aprs sig) but it does not compute the radius properly and adjusts the circles to a smaller radius.

Just my .01 worth,

Mark Cheavens
KC5EVE

> > functionality. Since we have repeaters at most of these sites, we know
> > what the actual coverage is. The difficulty has been to come up with a
> > corresponding PHG that will accurately represent the coverage pattern.
> > One of our members has been playing with an Excel spreadsheet to do
> > this. Suggestions?
>
>It is a problem. THE PHG's all appear to be very optimistic. And they
>DO somewhat work for non-moving base stations. But for mobiles, the
>range to the same digi is much-much worse...
>
>This is because mobile multipath flutter creates 30 dB fades while a car
>is in motion. No problem for voice, but disasterous for packets which must
>be perfectly error free.
>
>I think it is time to revamp all PHG displays to povide TWO circles. One
>for basestations and one for mobiles... now th equestion is, what is the
>reliable mobile range? Any input would be appreciated!

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Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

789. [aprssig] Re: UIDIGI fix up...

From: Bob Bruninga <bruninga@usna.edu>
Date: Mon, 24 Jun 2002 12:32:17 -0400 (EDT)
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: TAPR APRS Special Interest Group <aprssig@lists.tapr.org>
Message-ID: <LYR842-86457-2002.06.24-12.09.48--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

On Mon, 24 Jun 2002, Mark Cheavens wrote:

> ...There are actually TWO problems with PHG currently.
>
> If I use the proper PHG numbers for the AI5TX-2 digi in Houston it would
> yield a radius of 86 miles. This is NOT possible! (110W 500ft 5dbd)
> Instead I adjust all numbers to show a "real world" radius for mobile users.

I agree completely. The simplistic PHG formula in APRS was derived to give approximate results for typical home stations with PHG's around 100 feet or so. Back then there were no digipeaters and the early users had to use each other for digipeating (RELAY). I agree that it is not correct for drastically higher HAAT's. Your approach of adjusting the numbers to get the "right" answer for your location is the best approach. Good work...

de WB4APR@amsat.org, Bob

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Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

---

790. [aprssig] Re: [aprsspec] PHG circles

From: Bob Bruninga <bruninga@usna.edu>
Date: Mon, 24 Jun 2002 12:36:27 -0400 (EDT)
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: TAPR APRS SIG <aprssig@lists.tapr.org>
Message-ID: <LYR842-86458-2002.06.24-12.13.59--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Bill suggests that the data is right before our eyes! We have gobs and gobs of mobile coverage data... just need to look at it... Another great volunteer project...

On Mon, 24 Jun 2002, Bill Vodall - WA7NWP wrote:

> Just a thought - remember we have real data here. Thanks to NO-ID,
> every mobile position is telling us a bit about the coverage of a digi.
> It would be possible to capture... position packets and see
> just what range we're getting by each digi. [by looking at the first
> digi in the path]...
>
> Bill

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To unsubscribe send a blank email to leave-aprssig-842K@lists.tapr.org
Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

---

791. [aprssig] Mobile coverage

From: Mark Earle <wa2mct@mearle.com>
Date: Mon, 24 Jun 2002 11:50:45 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-86462-2002.06.24-12.27.11--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

There are mobile coverage predictions available from Motorola, based in several old mobile service manuals.. they go by antenna gain, roof or trunk mount,and frequency band.

This may be a basis to estimate the mobile coverage circle (ie, how far can the mobile talk/ hear)

Also, I believe we should use this as the "reference":
1. 25w transmitter power, .5 rx sensitivity
2. Unity gain antenna (1/4 wave) roof mounted

Those using compromise antennas or 5w HT's or less will get correspondingly less coverage for their particular setups.

My .02

))   de WA2MCT Mark

```
      ( (
       ) )    You will be assimilated... oooh, coffee!!
    _|****|
   ( |    |
    `|____|   wa2mct@mearle.com
```

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---

792. [aprssig] PHG circles

From: John Kraus <jfkraus3@cox.net>
Date: Mon, 24 Jun 2002 13:01:08 -0400
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-86467-2002.06.24-12.38.15--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

PHG should accurately reflect what coverage a mobile can expect.
My suggestion would be for two circles both of which are based on talk-back
not talk-out range.

Circle one = 5 watt mobile to a mag mount ground plane in the center of the
roof of standard sedan (Taurus or similar)

Circle two = 50 watt mobile to a mag mount ground plane in the center of
the roof of standard sedan (Taurus or similar)

I would further suggest calling for a standard of a full size high quality
mag mount using good coax not one of the Hershey Kiss micro mags. I have
one and it works much better than a rubber duck but is noticeably below
bigger models on both receive and transmit.

These power levels are basically standard for trackers using hand-helds and
mobiles rigs respectively. I think that Mag Mounts ground planes should be
the standard antenna for the test as it is widely available and requires no
mod to a vehicle for testing it also makes a good antenna for PCSAT and ISS
as Bob has noted in the past. Once testing is done and range circles are
available that reflect actual performance then testing can be done to
compare antenna systems. I do not believe that a rubber duck should be
used as a reference as there is far too much variability in the performance
even with in a given brand.

My experience with the KC4ZGQ-9 45-watt tracker is that PHG is to be blunt
essentially useless as currently implemented. The actual talk-back to most
digi's is often closer to 5-8 miles for digi's with PHG's that cover half
of a state. I am hopeful that Bob and others may be able to tweak the
standard to add a second circle. Perhaps by redefining PHG to PPHG = to
5watt 50 watt Height Gain.

This thread reinforces the need for any home station that can to function
as a relay.

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---

793. [aprssig] Re: ahubca.net Stability

From: "Spider" <spider@rivcom.net>
Date: Mon, 24 Jun 2002 11:15:18 -0700
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-86470-2002.06.24-13.52.56--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

----- Original Message -----
From: "Phil Pacier, AD6NH" <ad6nh@arrl.net>
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Sent: Monday, June 24, 2002 10:55 AM
Subject: [aprssig] ahubca.net Stability

> Ahubca.net and its related ports have been very unstable for the past 2
> weeks due to problems with my ISP, Earthlink. This morning, some work was
> done and things look great so far on my end. You should no longer have
> connectivity issues, but if you do, please contact me. Thanks for your
> patience.

Phil
Your users are welcomed to connect to SOWEST (Southwest Feed) at
207.218.70.101 port 14579 or PRKRAZ (Full Feed) at 207.218.70.101 port 2023
while you may be having difficulty.

And, sorry to here about your troubles. It happens!

Jim, WA6OFT

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794. [aprssig] Re: DIGIpeater CAPABILITIES MAP

From: Bob Bruninga <bruninga@usna.edu>
Date: Mon, 24 Jun 2002 16:36:36 -0400 (EDT)
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-86477-2002.06.24-16.14.06--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

The DIGIS overlay page has now been automated with javAPRS to make it possible to see the BIG picture all at once.. Its interesting to see the groupings....

On Sun, 23 Jun 2002, Bob Bruninga wrote:

> DIGIpeater SYSOPS check out this web page. It is a map of all of the
> DIGI types in the USA showing users what capabilities are avaialble in
> their areas.
>
>   http://www.ew.usna.edu/~bruninga/digi-overlays.html
>
> This is not meant as criticism at all. I konw how hard it is to
> get-around-to-it. This is meant just as a reminder that when someone has
> the time, it would be nice if all digipeaters included the Overlay
> character to show users what capabilities are avaialble in a given area...
>
> This is the long term goal.. So, check out the map and lets see if we can
> eventually upgrade these digis...
>
> Thanks
>
> de WB4APR, Bob

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795. [aprssig] Web page updated

From: "The Hildebrands" <b.hildebrand@verizon.net>
Date: Mon, 24 Jun 2002 14:19:31 -0700
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-86482-2002.06.24-16.57.11--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Updated web server showing position, status and callsign. See http://kh2z.lynxstudio.com. Callsign entry for find "Near" stations requires the exact callsign and is case dependant. If you are looking for WB4APR-9, don't enter wb4apr-9.   Data and Map calculations are not case dependant, and a partial match will be returned. You can enter multiple callsigns, separated by either a comma or a space if desired. This is just a little experiment and the web page may disappear or change at any moment. Feedback would be appreciated. Brent KH2Z

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796. [aprssig] NOCALL in Brevard County (FL)

From: "Eric Christensen, KF4OTN" <kf4otn@cox.net>
Date: Mon, 24 Jun 2002 17:36:05 -0400
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-86483-2002.06.24-17.14.04--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

If anyone in Brevard County (Melbourne area) knows whose weather
station this is, please let them know that there isn't a callsign
programmed in it! It is very near N4MLB-1 (digi).

```
NOCALL>CQ,qAC,KG4JAC-2*:=2806.80N/08039.26WWPHG4130/Melbourne,Fl.
NWS -FLBREMELBOURN-251-<530>
```

73s,
Eric KF4OTN

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797. [aprssig] Re: NOCALL in Brevard County (FL)

From: "Eric Christensen, KF4OTN" <kf4otn@cox.net>
Date: Mon, 24 Jun 2002 17:41:26 -0400
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-86484-2002.06.24-17.19.24--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Just an add on... It looks to be the NWS in Melbourne (I just really
looked at the packet).

73s,
Eric KF4OTN

----- Original Message -----
From: "Eric Christensen, KF4OTN" <kf4otn@cox.net>
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Sent: Monday, June 24, 2002 17:36
Subject: [aprssig] NOCALL in Brevard County (FL)

If anyone in Brevard County (Melbourne area) knows whose weather
station this is, please let them know that there isn't a callsign
programmed in it! It is very near N4MLB-1 (digi).

NOCALL>CQ,qAC,KG4JAC-2*:=2806.80N/08039.26WWPHG4130/Melbourne,Fl.
NWS -FLBREMELBOURN-251-<530>

73s,
Eric KF4OTN

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798. [aprssig] Space Shuttle???

From: "Eric Christensen, KF4OTN" <kf4otn@cox.net>
Date: Mon, 24 Jun 2002 17:46:33 -0400

To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-86485-2002.06.24-17.24.37--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

We have earthquake data, weather bulletins, satellites, and
hurricanes/tropical storms... Does anyone put up data for the space
shuttle when it goes up?

73s,
Eric KF4OTN

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799. [aprssig] Re: Space Shuttle???

From: Bob Bruninga <bruninga@usna.edu>
Date: Mon, 24 Jun 2002 18:03:31 -0400 (EDT)
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: TAPR APRS Special Interest Group <aprssig@lists.tapr.org>
Message-ID: <LYR842-86486-2002.06.24-17.40.57--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

On Mon, 24 Jun 2002, Eric Christensen, KF4OTN wrote:

> We have earthquake data, weather bulletins, satellites, and
> hurricanes/tropical storms... Does anyone put up data for the space
> shuttle when it goes up?

APRSdata serves out OBJECT reports for all satellites in view and can also
serve out the Space shuttle. BUT, since the space shuttle maneuvers all
the time, and this requires daily downloads and updates to the Tracking
Elements, the amount of maintenance is not worth the trouble for other
reasons:

1) Shuttle mostly goes to and from ISS which is already reported
2) Old data is worse than NO data. and since you cannot predict when it
   will maneuver, then it is too risky to autmoatically put out the
   objects which might be out of date...

Or at least that is why I dont do it on my copy of APRSdata.

P.S. while I was on my 1600 mile round trip to alabama I was very pleased
to see ISS and PCsat OBJECTS on my mobile radio to alert me when
satellites were in view... I saw APRSdata satellite objects transmitted
while I was in Tennessee and Virginia and Alabama... (and close to Home in
Maryland)...

de WB4APR, Bob

see http://www.ew.usna.edu/~bruninga/satinfo.html

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800. [aprssig] Re: [Bob Bruninga] Re: Space Shuttle???

From: "Gregg G. Wonderly" <gregg@skymaster.c2-tech.com>
Date: Mon, 24 Jun 2002 17:18:25 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: TAPR APRS Special Interest Group <aprssig@lists.tapr.org>
Message-ID: <LYR842-86487-2002.06.24-17.55.51--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

>P.S. while I was on my 1600 mile round trip to alabama I was very pleased
>to see ISS and PCsat OBJECTS on my mobile radio to alert me when
>satellites were in view... I saw APRSdata satellite objects transmitted
>while I was in Tennessee and Virginia and Alabama... (and close to Home in
>Maryland)...

One thing that I have been meaning to ask here... Bob, and others, do you all
have your D7A and/or D700s set to beep on all messages so that you know when
to look at the displays for these sats, or do you scan the list at some

```
intervals or what?

I have by D7A set for 'BEEP MINE' and that keeps the noise in the cockpit
(frequently cohabitated with others) to a minimum.

-----
gregg@c2-tech.com  (C2 Technologies Inc)



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801. [aprssig] Re: NOCALL in Brevard County (FL)

From: "John Becker" <molou@big-river.net>
Date: Mon, 24 Jun 2002 17:18:58 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-86488-2002.06.24-17.56.44--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

```
that is right down the street from KM4MX very close in fact.

John, W0JAB



> If anyone in Brevard County (Melbourne area) knows whose weather
> station this is, please let them know that there isn't a callsign
> programmed in it!  It is very near N4MLB-1 (digi).
>
> NOCALL>CQ,qAC,KG4JAC-2*:=2806.80N/08039.26WWPHG4130/Melbourne,Fl.
> NWS -FLBREMELBOURN-251-<530>
>
>
> 73s,
> Eric KF4OTN
>
>



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802. [aprssig] Re: [Bob Bruninga] Re: Space Shuttle???

From: Bob Bruninga <bruninga@usna.edu>
Date: Mon, 24 Jun 2002 18:25:10 -0400 (EDT)
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: TAPR APRS Special Interest Group <aprssig@lists.tapr.org>
Message-ID: <LYR842-86489-2002.06.24-18.03.11--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

```
On Mon, 24 Jun 2002, Gregg G. Wonderly wrote:

>
> >P.S. while I was on my 1600 mile round trip to alabama I was very pleased
> >to see ISS and PCsat OBJECTS on my mobile radio to alert me when
> >satellites were in view...
>
> One thing that I have been meaning to ask here...  Bob, and others, do you all
> have your D7A and/or D700s set to beep on all messages so that you know when
> to look at the displays for these sats, or do you scan the list at some
> intervals or what?

I guess I have BEEPS on so that I see all new packets.  And D700 screen
is right over steering column so it is easy to glance at....  Also, if ai
am bored and radio has been on for several minutes, then I might go check
the DX LIST which should have captured the satellite schedule for the
next 880 minutes.  This is transmitted once every 10 mintues to the DX
list, but is lost every tiem the radio is turned off...

Bob
```

```
---
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803. [aprssig] An idea similar to APRS network architecture .....

From: WA8LMF2@aol.com
Date: Mon, 24 Jun 2002 18:50:09 EDT
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-86490-2002.06.24-18.27.42--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

```
This story describes a future ad-on for cell phone networks that seems to use
the APRS idea that every user also becomes part of the digipeater network.....



ELIMINATE CELL TOWERS, LET HANDSETS SERVE AS NETWORK

Technology developed by SRI International would allow cell phones to
continue operation even when the receiving cell site goes out of
service.  When the company's "PacketHop" software in embedded in the
handset, signals are transmitted from handset to handset until reaching
the final destination.  (Wired News)

http://www.wired.com/news/business/0,1367,52974,00.html

Stephen H. Smith
Email:            wa8lmf @ aol.com
Homepage:        http://members.aol.com/wa8lmf
-------------------------------------------------------------------------------

----------
|    Radio Communications Systems       Personal Computers
|                Consulting and Systems Integration
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804. [aprssig] Re: An idea similar to APRS network architecture .....

From: David VanHorn <dvanhorn@cedar.net>
Date: Mon, 24 Jun 2002 18:05:20 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-86503-2002.06.24-18.44.21--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

```
>
>Technology developed by SRI International would allow cell phones to
>continue operation even when the receiving cell site goes out of
>service.  When the company's "PacketHop" software in embedded in the
>handset, signals are transmitted from handset to handset until reaching
>the final destination.  (Wired News)

ROTFLMAO.

My cell now has ALMOST enough bandwidth to cover one call.
Are they going to pay me for the batteries they chew up, selling my phone's
time to someone else?


---
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805. [aprssig] Re: An idea similar to APRS network architecture .....

From: tvsjr <tvsjr@sprynet.com>
Date: Mon, 24 Jun 2002 18:27:59 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>

Message-ID: <LYR842-86505-2002.06.24-19.04.39--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

```
At 06:05 PM 06/24/2002 -0500, David VanHorn wrote:


>>Technology developed by SRI International would allow cell phones to
>>continue operation even when the receiving cell site goes out of
>>service.  When the company's "PacketHop" software in embedded in the
>>handset, signals are transmitted from handset to handset until reaching
>>the final destination.  (Wired News)
>
>ROTFLMAO.
>
>My cell now has ALMOST enough bandwidth to cover one call.
>Are they going to pay me for the batteries they chew up, selling my
>phone's time to someone else?

No, they're going to cut your call's bandwidth to about 25% of what it is
now, and then charge you about 4x more for the "telelphone infrastructure
fee" (your BS may vary), since they have to keep track of all the cell
phones. Oh, and if your cell phone isn't in compliance, you'll have to buy
a new one. Oh yeah, and don't forget a fee to be part of the
next-generation P2P cell network...

Terry




---
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806. [aprssig] Re: An idea similar to APRS network architecture .....

From: Mark Cheavens <mcheavens@usa.net>
Date: Mon, 24 Jun 2002 18:38:16 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-86508-2002.06.24-19.15.28--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

```
But of course you would not be allowed to talk handset to handset in
simplex mode without paying air time EVEN if no sites were available. The
phones would have to log the data:)


>ELIMINATE CELL TOWERS, LET HANDSETS SERVE AS NETWORK


---
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To unsubscribe send a blank email to leave-aprssig-842K@lists.tapr.org
Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org
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807. [aprssig] Cheap tracker ideas?

From: "Stan Olson" <k9swx@arrl.net>
Date: Mon, 24 Jun 2002 19:41:44 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-86543-2002.06.24-20.19.09--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

```
I'm looking to put together a simple tracker/gps combo that I can hook up to
my Kenwood V7A mobile rig. I don't have the money to blow on a nice D700A or
even the Alinco 135 unit. I'd like to get one of those little tracker kits
(like the TinyTrak) and find a compatible GPS unit that would work with it.
(without having to modify it like the Delorme units) I've looked around on
eBay and haven't found many deals on the GPS units. I don't need one with a
display for this purpose, just one that I can power externally and has a
computer output to hook up to a tracker kit. (an external antenna port would
be nifty too, but that's totally optional) I'm really trying to keep costs
under $100 if at all possible. Anyone have any thoughts/suggestions for me?
Heck, maybe one of you has an older tracker setup that you've recently
thrown in the shack due to an upgrade, let me know about it! Thanks to all.

--
Stan Olson, K9SWX
k9swx@arrl.net
www.stansweather.net
```

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Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

808. [aprssig] Re: An idea similar to APRS network architecture .....

From: "Brian D Heaton" <bdheaton@c4i2.com>
Date: Mon, 24 Jun 2002 20:41:38 -0400
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-86547-2002.06.24-20.29.10--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

I'd ignore the licensed SRI technology. Take a look at the state of the art in MANET (mobile ad-hoc networking). There is some extremely slick stuff going on there. I can't guarantee it will take over the world, but it has some real promise for infrastructureless networks at incident sites.

Most of the MANET work is pointed directly at military and emergency services agencies. It would seem to make sense for hams too.

THX/BDH

PS - I work on this stuff for the military...

----- Original Message -----
From: "Mark Cheavens" <mcheavens@usa.net>
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Sent: Monday, June 24, 2002 7:38 PM
Subject: [aprssig] Re: An idea similar to APRS network architecture .....

> But of course you would not be allowed to talk handset to handset in
> simplex mode without paying air time EVEN if no sites were available. The
> phones would have to log the data:)
>
>
> >ELIMINATE CELL TOWERS, LET HANDSETS SERVE AS NETWORK
>
>
> ---
> You are currently subscribed to aprssig as: bdheaton@c4i2.com
> To unsubscribe send a blank email to leave-aprssig-842K@lists.tapr.org
> Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org
>
>

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To unsubscribe send a blank email to leave-aprssig-842K@lists.tapr.org
Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

809. [aprssig] Re: Cheap tracker ideas?

From: "Bruce W. Martin" <aprssig@almostanywhere.com>
Date: Mon, 24 Jun 2002 19:55:19 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-86550-2002.06.24-20.32.47--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Sounds like the New Rand McNally Streetfinder GPS For Laptop is just what you are looking for. Available on ebay for less than $100 or direct from Rand McNally for about $110.

At 07:41 PM 6/24/2002 -0500, Stan Olson wrote:
>I'm looking to put together a simple tracker/gps combo that I can hook up to
>my Kenwood V7A mobile rig. I don't have the money to blow on a nice D700A or
>even the Alinco 135 unit. I'd like to get one of those little tracker kits
>(like the TinyTrak) and find a compatible GPS unit that would work with it.
>(without having to modify it like the Delorme units) I've looked around on
>eBay and haven't found many deals on the GPS units. I don't need one with a
>display for this purpose, just one that I can power externally and has a
>computer output to hook up to a tracker kit. (an external antenna port would
>be nifty too, but that's totally optional) I'm really trying to keep costs
>under $100 if at all possible. Anyone have any thoughts/suggestions for me?
>Heck, maybe one of you has an older tracker setup that you've recently

>thrown in the shack due to an upgrade, let me know about it! Thanks to all.
>
>--
>Stan Olson, K9SWX
>k9swx@arrl.net
>www.stansweather.net
>
>
>
>---
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--
Bruce W. Martin, KQ4TV
116 Beechwood Dr.
Burns, TN 37029
(615) 446-3113
(615) 294-7655 (cell)

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810. [aprssig] Re: NOCALL in Brevard County (FL)

From: Earl Needham <needhame@yucca.net>
Date: Mon, 24 Jun 2002 19:27:10 -0600
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-86554-2002.06.24-21.06.33--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

At 05:36 PM 6/24/2002 -0400, Eric Christensen, KF4OTN wrote:
>If anyone in Brevard County (Melbourne area) knows whose weather
>station this is, please let them know that there isn't a callsign
>programmed in it! It is very near N4MLB-1 (digi).
>
>NOCALL>CQ,qAC,KG4JAC-2*:=2806.80N/08039.26WWPHG4130/Melbourne,Fl.
>NWS -FLBREMELBOURN-251-<530>

That "qAC" in the path makes me wonder if this is the result of a packet collision (concatenation).

7 3
Earl

Earl Needham, KD5XB, Clovis, New Mexico DM84jk
KD5XB-2>APW251,PCSAT-1*:=3425.83N/10313.55W-PHG7150/WinAPRS 2.5.1
-EARL_CLOVIS -251-<630>
Did you get a letter from Nigeria offering a "deal"? See
http://home.rica.net/alphae/419coal/ and
http://www.crimes-of-persuasion.com/Crimes/Business/nigerian.htm

---
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811. [aprssig] Re: Cheap tracker ideas?

From: "J.Duffy Beischel" <wb8nut@arrl.net>
Date: Mon, 24 Jun 2002 21:9:2
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-86563-2002.06.24-21.46.25--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

I use an eTrex from Garmin, just the basic yellow model that I got for under $100 on eBay. That in conjunction with the TinyTrakII. Works wonderful and not a big investment.

Duffy
www.wb8nut.com

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812. [aprssig] Re: Cheap tracker ideas?

From: David VanHorn <dvanhorn@cedar.net>
Date: Mon, 24 Jun 2002 21:41:45 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-86564-2002.06.24-22.18.44--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

```
At 07:41 PM 6/24/2002 -0500, Stan Olson wrote:
>I'm looking to put together a simple tracker/gps combo that I can hook up to
>my Kenwood V7A mobile rig.

I don't advise the V7a for APRS. It has an annoying tendency to interpret
speech out the speaker as DTMF tones through it's permanently open mic, and
act on them as commands, like reversing the sides, putting APRS on your
local repeater till you notice you haven't heard anyone in a couple of hours.

Also, the data side overrides the voice side, which cuts holes in what
you're saying.




---
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```

813. [aprssig] Re: NOCALL in Brevard County (FL)

From: Bill Diaz <william.diaz@attbi.com>
Date: Mon, 24 Jun 2002 22:01:33 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-86565-2002.06.24-22.39.02--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

```
Earl,

On Monday, June 24, 2002 20:27, Earl Needham [SMTP:needhame@yucca.net]
wrote:
> At 05:36 PM 6/24/2002 -0400, Eric Christensen, KF4OTN wrote:
SNIP

> >NOCALL>CQ,qAC,KG4JAC-2*:=2806.80N/08039.26WWPHG4130/Melbourne,Fl.
> >NWS -FLBREMELBOURN-251-<530>
>
>          That "qAC" in the path makes me wonder if this is the result of
a
> packet collision (concatenation).

The TNC requires that an entire packet, including checksum be received
without error. The TNC will output the decoded packet only after verifying
the integrity of the entire packet. Collision of 2 or more packets will
result in the loss of the data at the TNC.

The qAC,KG4JAC-2* portion of the header was added by the server to indicate
that the packet was gated by KG4JAC-2.

Bill KC9XG
>
>          7 3
>          Earl

>
> Earl Needham, KD5XB, Clovis, New Mexico  DM84jk


---
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```

814. [aprssig] Capture Kam Display

From: Glenn Wiebe <gswiebe@mb.sympatico.ca>
Date: Mon, 24 Jun 2002 22:29:10 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-86570-2002.06.24-23.06.36--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

```
I said:

> The settings of the Kam (all 175 or so) when configured for WAPRS 2.5.1
> can be viewed with Windows/Terminal Window and typing Display. Anyone
> know how to capture this info and save it as a text file? This could
> come in handy some day - like after a hard reset. I could copy the file
> to the WAPRS folder, rename it "inithf.tnc" and start the program. Of
> course the pc and the Kam would have to be on speaking terms.

Dick Reichenbach suggested I use HyperTerminal to communicate with the
Kam. Firstly shut down WinAPRS, then rename EXITHF.TNC. Boot WINAPRS,
then exit. With no EXITHF.TNC file no parms will be changed thus leaving
the Kam in the APRS state. As a bonus it will shut down way faster. Set
up HyperTerminal to talk to the Kam. In my case, several trips to the
Help section were called for. Turn on the Capture Text feature and send
DISPLAY to the Kam, then turn off CAPTURE TEXT. Edit the file and save.

Thanks Dick

73 de Glenn...VE4GN


---
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```

---

815. [aprssig] W6KL

From: Wally Foster <wfoster@hsc.usc.edu>
Date: Mon, 24 Jun 2002 21:19:26 -0700
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-86573-2002.06.24-23.57.02--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

```
I just talked to Dave (neighbor) and let him know what the situation
was. He's going to check his settings now and make corrections. He
always places on my map, so I'm not sure where the 'no location info'
comment came from.. He does seem to be sending location info (at least
in this area).


---
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```

---

816. [aprssig] Re: NOCALL in Brevard County (FL)

From: Terry Bendell <ve3tkb@sympatico.ca>
Date: Tue, 25 Jun 2002 00:20:42 -0400
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-86574-2002.06.24-23.58.02--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

```
Interesting,

I have seen PCSAT packets improperly digipeat my packets or IGATE stations
decode and place my lat/long in France.


on 6/24/02 11:01 PM, Bill Diaz at william.diaz@attbi.com wrote:

> The TNC requires that an entire packet, including checksum be received
> without error. The TNC will output the decoded packet only after verifying
> the integrity of the entire packet. Collision of 2 or more packets will
> result in the loss of the data at the TNC.
>
> The qAC,KG4JAC-2* portion of the header was added by the server to indicate
> that the packet was gated by KG4JAC-2.
>
> Bill KC9XG
>>
>> 7 3
>> Earl
>
>>
>> Earl Needham, KD5XB, Clovis, New Mexico  DM84jk
>
>
> ---
```

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---

817. [aprssig] Re: Cheap tracker ideas?

From: Bill Herrmann <bherrman@spro.net>
Date: Tue, 25 Jun 2002 00:06:18 -0600
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-86599-2002.06.25-01.47.36--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

At 07:41 PM 6/24/02 -0500, Stan Olson wrote:
>(without having to modify it like the Delorme units)

Just an FYI - You don't necessarily have to modify the DeLorme units. I have an adapter cable that lets me run an unmodified one on a KPC3 and have a TinyTrak2 wired so that the Tripmate plugs right in.

Basically all you have to do is feed the data signal back to the GPS unit and supply DTR. There is a pin (9 I think) that feeds the center connector in the battery plug and you can use a jumper to get that to the positive side so that you can feed power to the unit also.

While many people have chosen to modify theirs both of mine (and a buddy's too) are used in stock configuration. I looked at it this way... I had to have an adapter to plug it into the KPC3 anyway so why not have one that fed the right signals into the line?

Bill

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---

818. [aprssig] Mobile Mounting Question... (LONG)

From: Bill Herrmann <bherrman@spro.net>
Date: Tue, 25 Jun 2002 00:37:06 -0600
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-86601-2002.06.25-02.14.23--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

I'm looking to mount some mobile gear (mainly APRS, but probably a voice radio too) in a new to me sport utility vehicle. ('98 Isuzu Rodeo)

I've identified a couple possible locations, but have some concerns and am looking for some ideas from those who have been there and done that.

I've run a voice radio in the past on an under the seat mount that has worked fairly well. However, the front seats on this vehicle have some kind of air duct that likely supplies heat to the rear passengers. Doesn't seem like a good idea to heat the radios... (though I may be able to work around that by extending the duct)

There is a small "luggage" compartment built into the plastic trim in the rear. I'm pretty certain that most of it doesn't have much backing and there are not existing ways to get wires in/out of that area. It is, however, big enough that I could easily build a mounting board that would hold the radios and TNC.

On the other side there's a small access panel where the jack is stowed. There's enough room that I could mount radios to metal in there, but access to the radios would be fairly limited once they were mounted. I'm also concerned about the heat factor there as the radios would be at least close to the outer metal of the vehicle, which happens to be black... It is in a location where there is a vent so presumably some air must flow through there. (It appears to be the way that all the air put into the car by the HVAC gets out.)

I bought this particular vehicle so the kids could go along when Dad goes off road, so I need the radios to be firmly mounted. (AAMOF I had it off-road twice in the first week I owned it including one field expedition to run a temporary digi on a mountain peak.) Do I need to worry about any cushioning or is a solid mounting acceptable?

To sum up a little:
I can mount under either front seat, but I may have to deal with the air duct to keep from applying heat to the radio.

I can mount in the "luggage" compartment, but it doesn't have any current wire path and likely doesn't have much backing for the plastic. It also doesn't have any real air flow.

I can mount in the jacks compartment but may have a heat issue since the radios would be in the airspace outside the insulation and inside the outer sheet metal. (Note: I'd probably run a separate feed, but there is a 20A power outlet already here.)

Last, but not least... Antennas... I'd originally thought to just roof mount a pair of antennas. The trip up to our digi location has me wondering about that. There were several branches that would have eaten fixed antennas. I've not figured out all the details of the roof construction yet. Mounting antennas at the back edge seems fairly simple but probably isn't an ideal place.

Any thoughts, tips, links to web pages appreciated! (and feel free to just send 'em privately. I'll try to sum 'em up after the fact. - please indicate if you don't want to be quoted)

Bill - who is ready to have a permanently mounted solution!

p.s. Any tips on air bags appreciated too. Would just assume not set those off!

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---

819. [aprssig] Re: NOCALL in Brevard County (FL)

From: "Eric Christensen, KF4OTN" <kf4otn@cox.net>
Date: Tue, 25 Jun 2002 02:47:02 -0400
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-86602-2002.06.25-02.25.20--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Well, I have a whole slew of these packets... I don't think they ALL could be from collisions...

```
NOCALL>CQ,qAC,KG4JAC-2*:>011551 Melbourne NWS
NOCALL>CQ,qAC,KG4JAC-2*:=2806.80N/08039.26WWPHG4130/Melbourne,Fl.
NWS -FLBREMELBOURN-251-<530>
NOCALL>CQ,qAC,KG4JAC-2*:=2806.80N/08039.26WWPHG4130/Melbourne,Fl.
NWS -FLBREMELBOURN-251-<530>
NOCALL>CQ,qAC,KG4JAC-2*:=2806.80N/08039.26WWPHG4130/Melbourne,Fl.
NWS -FLBREMELBOURN-251-<530>
NOCALL>CQ,qAC,KG4JAC-2*:=2806.80N/08039.26WWPHG4130/Melbourne,Fl.
NWS -FLBREMELBOURN-251-<530>
NOCALL>CQ,qAC,KG4JAC-2*:=2806.80N/08039.26WWPHG4130/Melbourne,Fl.
NWS -FLBREMELBOURN-251-<530>
NOCALL>CQ,qAC,KG4JAC-2*:=2806.80N/08039.26WWPHG4130/Melbourne,Fl.
NWS -FLBREMELBOURN-251-<530>
NOCALL>CQ,qAC,KG4JAC-2*:=2806.80N/08039.26WWPHG4130/Melbourne,Fl.
NWS -FLBREMELBOURN-251-<530>
NOCALL>CQ,qAC,KG4JAC-2*:=2806.80N/08039.26WWPHG4130/Melbourne,Fl.
NWS -FLBREMELBOURN-251-<530>
NOCALL>CQ,qAC,KG4JAC-2*:>011551 Melbourne NWS
```

It appears to be at the Melbourne National Weather Service... If anyone knows the number down there to call and find out who is in charge of the amateur radio station, that would probably help.

73s,
Eric

----- Original Message -----
From: "Terry Bendell" <ve3tkb@sympatico.ca>

To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Sent: Tuesday, June 25, 2002 00:20
Subject: [aprssig] Re: NOCALL in Brevard County (FL)

Interesting,

I have seen PCSAT packets improperly digipeat my packets or IGATE
stations
decode and place my lat/long in France.

on 6/24/02 11:01 PM, Bill Diaz at william.diaz@attbi.com wrote:

> The TNC requires that an entire packet, including checksum be
received
> without error. The TNC will output the decoded packet only after
verifying
> the integrity of the entire packet. Collision of 2 or more packets
will
> result in the loss of the data at the TNC.
>
> The qAC,KG4JAC-2* portion of the header was added by the server to
indicate
> that the packet was gated by KG4JAC-2.
>
> Bill KC9XG
>>
>> 7 3
>> Earl
>
>>
>> Earl Needham, KD5XB, Clovis, New Mexico DM84jk
>
>
> ---
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Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

820. [aprssig] Re: NOCALL in Brevard County (FL)

From: Bill Diaz <william.diaz@attbi.com>
Date: Tue, 25 Jun 2002 04:59:52 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-86604-2002.06.25-05.37.24--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Terry,

On Monday, June 24, 2002 23:21, Terry Bendell [SMTP:ve3tkb@sympatico.ca] wrote:
> Interesting,

> I have seen PCSAT packets improperly digipeat my packets or IGATE stations
> decode and place my lat/long in France.
>

AFAIK, PCSat can only digipeat valid packets and does not do any decoding or conversion of submitted data packets.

I suspect that you may be seeing a defective conversion of Mic-E data that has been generated by an

IGATE.

Bill KC9XG

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821. [aprssig] IStream Protocol Documented? [was: NOCALL in Brevard County (FL)]

From: "Ev Tupis (W2EV)" <w2ev@arrl.net>
Date: Tue, 25 Jun 2002 06:28:13 -0400
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-86606-2002.06.25-06.06.04--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

> NOCALL>CQ,qAC,KG4JAC-2*:>011551 Melbourne NWS

> > The qAC,KG4JAC-2* portion of the header was added by the server to
> > indicate that the packet was gated by KG4JAC-2.

Hi all,
Was there a movement afoot (sourceforge?) to document the APRS protocol of the Internet? (if so) How's it going?

Also...this is (can be) valuable information (the pathing, I mean), what was the reason for not keeping it intact when (if) RGated back to RF?

Ev, W2EV

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822. [aprssig] Only Slightly Off Topic

From: "Sadowski, Allan" <allan.sadowski@ncshp.org>
Date: Tue, 25 Jun 2002 09:08:07 -0400
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-86615-2002.06.25-08.45.36--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

http://www2.acc.af.mil/afrcc/

Is the Rescue Coordination Center web site for CONUS and near CONUS rescue efforts... of note is that on the web site is the information related to the Commerce Dept's ending the use of ELT's and EPIRB's on 121.5 and 243 MHz.

406MHz is the "new" (already been in use for a few years) distress beacon frequency... and integrated GPS encoded 406MHz beacons have finally dropped below $1000...

Just so it's clear... these beacons have a five year shelf life, can stay out in the weather (water/temp tolerant), and float... so before the standard ..... oh I could build one of these things for $17.23.... just remember the level of liability insurance risk these things carry since safety of life and million dollar ships come as part of the equation....

Hope this is informative and helpful...
And to be so bold as to quote a small part of the PJ Creed.... "These Things We Do, That Others May Live"
ALOHA
AH6LS

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823. [aprssig] Re: Mobile Mounting Question...

From: Carl Taylor <carltt@bellsouth.net>
Date: Tue, 25 Jun 2002 10:06:55 -0400
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-86622-2002.06.25-09.44.24--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

At 12:37 AM 6/25/02 -0600, you wrote:
>I'm looking to mount some mobile gear (mainly APRS, but probably a voice
>radio too) in a new to me sport utility vehicle. ('98 Isuzu Rodeo)
I just went thru the exact problem you are facing now....

I like what I have ended up with...

I bought one of the aluminum shelves which mount above the windshield...
tied all the equipment on top of it with plumber strap (hangar iron)..
Ran Power (#6) from the batt to an Anderson 30 amp plug (not the individual
power poles) so the shelf can be easily removed for maint.
I have 7 units mounted on the shelf... All wires run down the right door
post... The power runs across the shelf.. Each radio is attached
to the power feed thru the trailer type 2 conductor plugs.. Some are #10
plugs others are #16, based on the draw of the unit...

The whole installation has been easy and has exceeded all my desires... be
sure to mount units which need to be seen to operate
right over the Wheel....Turn other at an angle for ease of operating...
===
>. Antennas... I'd originally thought to just roof mount a pair of antennas.
>There were several branches that would have eaten fixed antennas.

I mounted the antennas on the roof rack in a way that if hit it will rotate
back and can be pulled back up...

Any questions - Email me............

Carl Taylor   W9ZGU   Hollywood,FL   carltt@bellsouth.net

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824. [aprssig] Re: Mobile Mounting Question...

From: <tvsjr@sprynet.com>
Date: Tue, 25 Jun 2002 10:14:42 -0400
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: TAPR APRS Special Interest Group <aprssig@lists.tapr.org>
Message-ID: <LYR842-86623-2002.06.25-09.52.09--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Do like I did - tear out the center console, install two Gamber-Johnson
Mission Control series radio consoles, and run 1/0 gauge wire from the battery
to a (large) power distribution panel to run everything.

For antennas, drop the headliner and get out the hole saw... I've got 13 in
the roof of my Expedition.

Terry

On Tue, 25 Jun 2002 10:06:55 -0400 Carl Taylor <carltt@bellsouth.net> wrote:

At 12:37 AM 6/25/02 -0600, you wrote:

>I'm looking to mount some mobile gear (mainly APRS, but probably a voice

>radio too) in a new to me sport utility vehicle. ('98 Isuzu Rodeo)

I just went thru the exact problem you are facing now....

I like what I have ended up with...

I bought one of the aluminum shelves which mount above the windshield...

tied all the equipment on top of it with plumber strap (hangar iron)..

Ran Power (#6) from the batt to an Anderson 30 amp plug (not the individual

power poles) so the shelf can be easily removed for maint.

I have 7 units mounted on the shelf... All wires run down the right door

post... The power runs across the shelf.. Each radio is attached

to the power feed thru the trailer type 2 conductor plugs.. Some are #10

plugs others are #16, based on the draw of the unit...

The whole installation has been easy and has exceeded all my desires... be

sure to mount units which need to be seen to operate

right over the Wheel....Turn other at an angle for ease of operating...

===

>. Antennas... I'd originally thought to just roof mount a pair of antennas.

>There were several branches that would have eaten fixed antennas.

I mounted the antennas on the roof rack in a way that if hit it will rotate

back and can be pulled back up...

Any questions - Email me...........

Carl Taylor   W9ZGU   Hollywood,FL   carltt@bellsouth.net

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---

825. [aprssig] power supply for GPS

From: "John Becker" <molou@big-river.net>
Date: Tue, 25 Jun 2002 09:14:07 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-86624-2002.06.25-09.55.01--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

What is in use to power a GPS for a tracker station?
Can a 7805 or 06 handle it?

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826. [aprssig] V7A Shortcomings (Was Re: Cheap tracker ideas?)

From: Ralph Milnes <milnes1@rcn.com>
Date: Tue, 25 Jun 2002 10:19:33 -0400
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: David VanHorn <dvanhorn@cedar.net>, k9swx@arrl.net
Message-ID: <LYR842-86625-2002.06.25-09.57.25--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Dave wrote:

>I don't advise the V7a for APRS. It has an annoying tendency to interpret
>speech out the speaker as DTMF tones through it's permanently open mic, and
>act on them as commands, like reversing the sides, putting APRS on your
>local repeater till you notice you haven't heard anyone in a couple of hours.

Dave, could you embellish this a little more? I don't understand yet. For example, what do you mean by a "permanently open mic"? I have a V7A and I've not experienced this DTMF tone command problem.

I find the V7A to be a great rig for home APRS -- granted, my APRS beaconing rate/digi relays are minimal, so the voice cutouts on data transmissions are also minimal. But I would think the V7A would work OK for Stan, given that a D700 isn't available.

For that matter is there any option other than a D700 for simultaneous voice and data? For example, if he were to use a second radio in the car for APRS, wouldn't any transmissions from it desense the voice radio?

Thanks.

Ralph KC2RLM ... in digest mode

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827. [aprssig] Re: V7A Shortcomings (Was Re: Cheap tracker ideas?)

From: David VanHorn <dvanhorn@cedar.net>
Date: Tue, 25 Jun 2002 09:33:22 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: k9swx@arrl.net
Message-ID: <LYR842-86626-2002.06.25-10.10.58--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

>
>Dave, could you embellish this a little more? I don't understand yet. For
>example, what do you mean by a "permanently open mic"? I have a V7A and
>I've not experienced this DTMF tone command problem.

The radio is controlled from the mic, by passing DTMF down the mic lead. That would be no problem, except that the mic element is always "hot" as well. So, if it hears anything in the ambient audio that sounds like DTMF, off you go.

It would have been simple to design the mic so that the mic element was out of circuit till the key is pressed, but that isn't how it is.

I ran mine with APRS on one side, and the local repeater on the other. I would find mine, about once a month or so either sending APRS to the repeater (side-swapped) or one or the other side would be on 440.

I finally modded the mic to de-activate the mic element when the key is not pressed, which solves that problem. The last straw for me is that the data side always overrides the voice side, and there is no way to change that.

So, now I have an FT-1500M dedicated to APRS.

>I find the V7A to be a great rig for home APRS -- granted, my APRS
>beaconing rate/digi relays are minimal, so the voice cutouts on data
>transmissions are also minimal. But I would think the V7A would work OK
>for Stan, given that a D700 isn't available.

He's also looking for low $, which the V7 doesn't really fit.

>For that matter is there any option other than a D700 for simultaneous
>voice and data? For example, if he were to use a second radio in the car
>for APRS, wouldn't any transmissions from it desense the voice radio?

I don't find the desense objectionable.
If I'm not more than 15-20 miles from the repeater, it's not even
noticable. My antennas are about 6' apart. I'm using RS glassmounts on the
rear sidewindows for SSTV and APRS, and I have an SG-7900 in the front
center of the roof on the V7a. Works MUCH better :)

---
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828. [aprssig] Re: Question about trackers?

From: LAIRD STANTON <LAIRD_STANTON@alexandria-emh1.army.mil>
Date: Tue, 25 Jun 2002 10:54:27 -0400
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: TAPR APRS Special Interest Group <aprssig@lists.tapr.org>
Message-ID: <LYR842-86627-2002.06.25-10.25.26--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

I made that mistake years ago. A question concerning CB, found myself
talking to a lawyer of all things, minimal technical knowledge, but Oh
could he "interpret".

Laird
N3HLL

-----Original Message-----
From: Bob Bruninga <bruninga@usna.edu>@AMC
Sent: Sunday, June 23, 2002 12:07 PM
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: TAPR APRS Special Interest Group <aprssig@lists.tapr.org>
Subject: [aprssig] Re: Question about trackers?

(Embedded image moved to file: pic00800.pcx)
> You might want to ask the FCC what they thought, It couldn't
hurt.,...

Never ever do that.
How many people work at the FCC? How many possible different answers
can
you get? How many ways can you ask the question and get how many
different answers. How many different scenarios?

The rules are written. Your license permits you to operate within
the
rules...

Enjoy....

Bob

---
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[Attachment: pic00800.pcx; application/octet-stream; 2,707 bytes]

829. [aprssig] Alinco Digital voice

From: wes@johnston.net
Date: Tue, 25 Jun 2002 08:15:10 -0700 (PDT)

To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-86628-2002.06.25-10.52.38--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

http://www.arrl.org/tis/info/pdf/0202038.pdf

says that the ej-43u digital voice module can be used instead of the ej-41 tnc module. This is slick stuff..... Now if we could just encode aprs posit into digital voice stream as a back channel....

Here's one more thing to ponder... the alinco 596 HT will do digital voice... since the mobile 135tp model will take the digital voice encoder (presumably they have the same form factor and plug), can we put the TNC module in the HT version?

Wes

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830. [aprssig] Re: Question about trackers?

From: LAIRD STANTON <LAIRD_STANTON@alexandria-emh1.army.mil>
Date: Tue, 25 Jun 2002 11:31:34 -0400
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: aprssig@tapr.org
Message-ID: <LYR842-86630-2002.06.25-11.11.51--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Just one question, has there ever been an action taken against an APRS operator for not having a licensed HAM at the site of a dumb tracker?

Laird
N3HLL

-----Original Message-----
From: "Ray McKnight - WB3ABN" <shortsheep@worldnet.att.net>@AMC
Sent: Friday, June 21, 2002 11:01 AM
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: aprssig@tapr.org
Subject: [aprssig] Re: Question about trackers?

(Embedded image moved to file: pic20764.pcx)
You are absolutely incorrect in your conclusion that a telemetry station
does not require a control operator. It is clearly stated in BOLDFACE,
under 97.7 that each station must have a control operator.

A telemetry station may be operated under either direct or automated control. To comply with automated control, it must be able to respond
to interrogation from the control or auxiliary station.

As a control operator of ANY station, you must "ensure the immediate proper operation of the station, regardless of the type of control" (97.105) The "watchdog timer" as has been mentioned does not eleviate
the requirement of a control operator or satisfying the intent of automated control. Even for repeaters, they must include a 3-minute time-out function in the event of the failure of the control link, or the control operator's ability or desire to effect control.

Automatically controlled digital stations must be able to respond to interrogation from a control station that is being controlled either locally or remotely. The control station cannot be under automatic control. (97.221)

So, DUMB TRACKERS are illegal if not operated under direct (local) control because they cannot respond to interrogation from the control station. A control operator CANNOT EVER delegate his responsibilities
to an unlicensed individual. Giving a tracker to your unlicensed buddy
and telling him to "turn it off if I call you on the cell phone" is ILLEGAL. If you place a dumb tracker in a vehicle there had better be a

licensed Ham there to control it. If you place a tracker in a vehicle without a Ham, it must be secured to prevent unauthorized use, changing frequency, etc. Personally, I don't agree that it does not constitute 3-rd party traffic, but I'm not going to argue that any more.

One VERY IMPORTANT aspect of CFR's that few people recognize is the principal of "included" and "excluded" authority. Just because you are permitted to HAVE a telemetry transmitter in one part of the regs, does NOT give you blanket authority to ignore more restrictive, general requirements in another part. You can't ignore control operator responsibilities or the need for adequate control provisions by hiding under the guise of being a telemetry station. Some requirements are INCLUSIVE to all aspects of station operation; control is one of them, as well as the need to maintain adequate security of your equipment to prevent unauthorized transmissions.

And NO, I WILL NOT drop it, shut up or bury my head in the sand when someone asks an innocent and relevant question. You do what you want with your license, ignore the requirements of station control or security, I don't care. But I won't tell someone its fine when it isn't.

73's
Ray - WB3ABN
Kingston, WA

-----Original Message-----
From: bounce-aprssig-29143@lists.tapr.org
[mailto:bounce-aprssig-29143@lists.tapr.org] On Behalf Of Steve Dimse
Sent: Friday, June 21, 2002 06:16
To: TAPR APRS Special Interest Group
Cc: TAPR APRS Special Interest Group; aprssig@lists.tapr.org
Subject: [aprssig] Re: Question about trackers?

On 6/21/02 6:51 AM, k5qq@juno.com wrote:

>I read it as saying they want to put a tracker on a vehicle
>so they don't have to have the ham in the vehicle to provide
>commo on where the vehicle is. The driver is not a ham.
>(And it might turn out there are multiple operators as the
>drivers go thru their shifts)
>
>So we are back to the original question, Is this fish red?
>

It is fully legal under 97.221(b):

(b) A station may be automatically controlled while transmitting a RTTY or data emission on the 6 m or shorter wavelength bands, and on the 28.120-28.189 MHz....

An APRS tracker is an automatically controlled telemetry station, therefore allowed to transmit one-way transmissions, and free of the need for a control operator. The "devices and procedures for control of a station when it is transmitting so that compliance with the FCC Rules" are provided by the software in the tracker itself. It islegal to put it in a balloon, in a car driven by your wife, non-hams, and just about anything else (as long as it isn't the normal course of your own business).

APRS has been around for nearly 10 years, running stand alone trackers without control ops for almost as long. It is one of the biggest activities in ham radio, and the FCC is most certainly aware of it. If they had a problem with any aspect of APRS we would have heard about it by now.

Can we put this to rest again (at least for 6 months until it certainly will pop up again, as it has so many times in the past), please???

Steve K4HG

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[Attachment: pic20764.pcx; application/octet-stream; 2,707 bytes]

831. [aprssig] Re: Question about trackers?

From: LAIRD STANTON <LAIRD_STANTON@alexandria-emh1.army.mil>
Date: Tue, 25 Jun 2002 12:11:09 -0400
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: aprssig@lists.tapr.org
Message-ID: <LYR842-86638-2002.06.25-11.44.01--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

They are supporting an emergency (fire), keeping traffic down, not placing a HAM (presumably not a fire-fighter) on an emergency vehicle in harms way, etc., etc., etc.   It is a situation where it is far easier to seek forgiveness (if questioned) than permission. If it makes sense, do it!

Now, tracking a balloon as a hobby/science project would be in a different category altogether.

Laird
N3HLL

-----Original Message-----
From: k5qq@juno.com@AMC
Sent: Friday, June 21, 2002 5:52 AM
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: aprssig@lists.tapr.org
Subject: [aprssig] Re: Re: Question about trackers?

(Embedded image moved to file: pic13891.pcx)
Ok, Dave's letter is copied below

I read it as saying they want to put a tracker on a vehicle so they don't have to have the ham in the vehicle to provide commo on where the vehicle is. The driver is not a ham. (And it might turn out there are multiple operators as the drivers go thru their shifts)

So we are back to the original question, Is this fish red?

Jim

On Fri, 21 Jun 2002 06:39:27 -0400 "Ronald Reams"
<wa4mjf@worldnet.att.net> writes:
>
> I am confused then (not unusual), I thought it was about
> someone at the Haynie Fire in CO that wanted to keep track of a
> vehicle, without havin' to call the ham all the time via voice.
>
>Ballons were a red herrin' ....

---------Dave's Original message--------
Hello all,
I mentioned to an ARES member that it would be nice to have some
trackers
so that they could be attached to vehicles that we wanted to track
and
free
up a ham. We are currently supporting the Hayman fire. About 70% of

the
net
time is finding out the current location of this person or this
vehicle.
   His question is this legal? How is the best way to respond to him
on
this?

Thanks & 73,
Dave N0EOP

____
GET INTERNET ACCESS FROM JUNO!
Juno offers FREE or PREMIUM Internet access for less!
Join Juno today! For your FREE software, visit:
http://dl.www.juno.com/get/web/.

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[Attachment: pic13891.pcx; application/octet-stream; 2,707 bytes]

---

832. [aprssig] Re: Question about trackers?

From: LAIRD STANTON <LAIRD_STANTON@alexandria-emh1.army.mil>
Date: Tue, 25 Jun 2002 12:17:06 -0400
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: aprssig@lists.tapr.org
Message-ID: <LYR842-86640-2002.06.25-11.50.24--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Doesn't the tracker have the ability to send canned messages?

The last thing you would want in that scenario would be an untrained
(non fire fighter) passenger.

I'm looking to set up such a system for ground/air search and rescue and
I'm sure Bob said that the Tiny Trak II could send one of seven canned
messages by the turn of a switch.

Laird
N3HLL

-----Original Message-----
From: "Ronald Reams" <wa4mjf@worldnet.att.net>@AMC
Sent: Friday, June 21, 2002 7:01 AM
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: aprssig@lists.tapr.org
Subject: [aprssig] Re: Re: Question about trackers?

(Embedded image moved to file: pic30386.pcx)
Yeh, but since the ham is already there. You'd proably wanna
leave him/her there in case of an emergency (for example, they get
cut off
by the fire) so he/she (not the pervert kind)
could get back on the air and keep the CP advised.

73 de Ronnie

----- Original Message -----
From: <k5qq@juno.com>
To: <wa4mjf@worldnet.att.net>
Cc: <aprssig@lists.tapr.org>
Sent: Friday, June 21, 2002 08:51
Subject: Re: [aprssig] Re: Question about trackers?

Ok, Dave's letter is copied below

I read it as saying they want to put a tracker on a vehicle
so they don't have to have the ham in the vehicle to provide
commo on where the vehicle is. The driver is not a ham.
(And it might turn out there are multiple operators as the
drivers go thru their shifts)

So we are back to the original question, Is this fish red?

```
Jim




---
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```

[Attachment: pic30386.pcx; application/octet-stream; 2,707 bytes]

833. [aprssig] Re: Question about trackers?

From: "Daniel H. Brown" <brown@brauhausdc.org>
Date: Tue, 25 Jun 2002 12:19:26 -0400 (EDT)
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-86641-2002.06.25-11.55.11--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

```
On Tue, 25 Jun 2002, LAIRD STANTON wrote:
>
> Just one question,  has there ever been an action taken against an APRS
> operator for not having a licensed HAM at the site of a dumb tracker?
>

(lyris just sent me a 14k message that included my original post, saying
wouldn't let me post a message that was over 10k and indicating my message
was 11k over the limit...  welcome to the New Math)


I'm no lawyer, and am certainly not versed in the interpretation of FCC
legalese, so please forgive me if the following isn't really applicable,
but, in the instance originally sited here, specifically -- communications
in support of forest fire fighting efforts, doesn't the following section
of part 97 apply?

97.403 Safety of life and protection of property.

No provision of these rules prevents the use by an amateur station of any
means of radiocommunication at its disposal to provide essential
communication needs in connection with the immediate safety of human life
and immediate protection of property when normal communication systems are
not available.
----

Personally, and this should be considered just my opinion, I think that its
pretty clear -- putting an APRS tracker into a firetruck which is going to
be going out to into the wilds seems to me to satisfy all of the above
points:

- Tracking/locating firefighters is an essencial communications need

- It is being done in connection with immediate protection of life and
property

- Other communications systems (specifically for tracking and locating)
aren't available due to either shortages of manpower or shortages of
equipment.

--
Dan Brown
brown@brauhausdc.org
```

834. [aprssig] Re: Cheap tracker ideas?

From: "Curt Mills, WE7U" <hacker@tc.fluke.com>
Date: Tue, 25 Jun 2002 09:23:07 -0700 (PDT)
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: TAPR APRS Special Interest Group <aprssig@lists.tapr.org>
Message-ID: <LYR842-86642-2002.06.25-12.00.56--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

```
On Mon, 24 Jun 2002, Stan Olson wrote:

> I'm looking to put together a simple tracker/gps combo that I can hook up to
> my Kenwood V7A mobile rig. I don't have the money to blow on a nice D700A or
> even the Alinco 135 unit. I'd like to get one of those little tracker kits
> (like the TinyTrak) and find a compatible GPS unit that would work with it.
```

If you're after cheap (not necessarily simple), then go with a
TinyTrak-II kit, a Trimble SV6 GPS board w/external amplified
antenna, and put a transistor inverter (1 transistor and 2
resistors) between the Trimble's serial out and the TinyTrak-II's
GPS input. If you add a lithium coin cell to the correct line on
the Trimble it'll remember the almanac and come up transmitting data
more quickly. Otherwise it'll take 15 minutes or so to download it
each time you turn it on.

You need to get one of the SV6's that can be switched to NMEA mode.
Some of them can be switched between TSIP, TAIP, and NMEA. I have a
couple of these.

Now, after having said all that, the DeLorme mod doesn't sound as
bad, does it?

In my case I'm after a very tiny package for hiking, so the Trimble
is a good fit for the price. I'd actually rather have a GPS-35 for
this purpose, but they're a lot more money. They'll work through
the trees better though.

Curt Mills, WE7U   hacker.NO_*SPAM@tc.fluke.com
Senior Methods Engineer/SysAdmin
"Lotto: A tax on people who are bad at math." -- unknown
"Windows: Microsoft's tax on computer illiterates." -- WE7U

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835. [aprssig] Re: NOCALL in Brevard County (FL)

From: "Curt Mills, WE7U" <hacker@tc.fluke.com>
Date: Tue, 25 Jun 2002 09:29:07 -0700 (PDT)
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: TAPR APRS Special Interest Group <aprssig@lists.tapr.org>
Message-ID: <LYR842-86645-2002.06.25-12.07.26--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

On Mon, 24 Jun 2002, Bill Diaz wrote:

> > >NOCALL>CQ,qAC,KG4JAC-2*:=2806.80N/08039.26WWPHG4130/Melbourne,Fl.
> > >NWS -FLBREMELBOURN-251-<530>

> The qAC,KG4JAC-2* portion of the header was added by the server to indicate
> that the packet was gated by KG4JAC-2.

There were two options presented to us when we were considering
adding igate injection ID to Xastir. This was not one of them. We
now do injection ID like this: "KG4JAC-2,I". The other option was
to add a '0' in front of the SSID. I guess some APRS packages do it
one way, some the other.

Which software package is igating it as "qAC,KG4JAC-2*"? So now
there are three methods of injection ID?

Curt Mills, WE7U   hacker.NO_*SPAM@tc.fluke.com
Senior Methods Engineer/SysAdmin
"Lotto: A tax on people who are bad at math." -- unknown
"Windows: Microsoft's tax on computer illiterates." -- WE7U

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836. [aprssig] Re: Question about trackers?

From: David VanHorn <dvanhorn@cedar.net>
Date: Tue, 25 Jun 2002 11:29:49 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: aprssig@lists.tapr.org
Message-ID: <LYR842-86646-2002.06.25-12.08.03--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

At 12:17 PM 6/25/2002 -0400, LAIRD STANTON wrote:
>Doesn't the tracker have the ability to send canned messages?

What are these attachments you keep sending?

PIC30386.pcx etc

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837. [aprssig] Re: power supply for GPS

From: "Curt Mills, WE7U" <hacker@tc.fluke.com>
Date: Tue, 25 Jun 2002 09:34:19 -0700 (PDT)
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: TAPR APRS Special Interest Group <aprssig@lists.tapr.org>
Message-ID: <LYR842-86647-2002.06.25-12.13.25--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

On Tue, 25 Jun 2002, John Becker wrote:

> What is in use to power a GPS for a tracker station?
> Can a 7805 or 06 handle it?

Typically yes. I bumped up the regulator on a TinyTrak-II to a 7805 or LM340T-5 and use it to power the TinyTrak-II and a Trimble SV6 board w/amplified antenna.

Usually a GPS will take 150mA or less. Not much of a load for a 7805, especially if it has at least a miniscule heatsink.

What kind of GPS? You might want to throw in an LM317T so you can set the voltage for your particular GPS. Some of the Garmins like to have 8V or higher. Some of them will blow up at that voltage.

Curt Mills, WE7U   hacker.NO_*SPAM@tc.fluke.com
Senior Methods Engineer/SysAdmin
"Lotto: A tax on people who are bad at math." -- unknown
"Windows: Microsoft's tax on computer illiterates." -- WE7U

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Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

838. [aprssig] Re: Question about trackers?

From: David Rush <david@davidarush.com>
Date: Tue, 25 Jun 2002 11:34:41 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: aprssig@lists.tapr.org
Message-ID: <LYR842-86648-2002.06.25-12.14.06--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

The TinyTrak II can be easily configured to send out one of two different messages at the turn of a switch (selecting one of two whole different configurations, actually). There's no easy way to get more than two, that I know of.

David, ky0dr

>I'm looking to set up such a system for ground/air search and rescue and
>I'm sure Bob said that the Tiny Trak II could send one of seven canned
>messages by the turn of a switch.
>
>Laird
>N3HLL

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839. [aprssig] Re: Question about trackers?

From: "Curt Mills, WE7U" <hacker@tc.fluke.com>
Date: Tue, 25 Jun 2002 09:43:43 -0700 (PDT)
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: TAPR APRS Special Interest Group <aprssig@lists.tapr.org>
Message-ID: <LYR842-86651-2002.06.25-12.23.28--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

```
On Tue, 25 Jun 2002, LAIRD STANTON wrote:

> I'm looking to set up such a system for ground/air search and rescue and
> I'm sure Bob said that the Tiny Trak II could send one of seven canned
> messages by the turn of a switch.

No, that would be the Mic-Encoder from TAPR that can do that.  It
has a rotary switch for setting one of the 7 Mic-E messages.

The TinyTrak-II can switch between only two modes with an external
switch.  You could put set it for an emergency message on one side
and select it with a toggle switch.  You can program in one of the
canned Mic-E messages and/or add your own message in the comment
field.  You need a computer to do this programming, so out in the
field all you can do is hit that switch to transmit the
pre-programmed settings.

You can also switch between 7 different messages in the Kenwood
TH-D7A or TM-D700A.  They are the 7 canned messages that are in the
Mic-E protocol.

Curt Mills, WE7U                         hacker.NO_*SPAM@tc.fluke.com
Senior Methods Engineer/SysAdmin
"Lotto:    A tax on people who are bad at math." -- unknown
"Windows:  Microsoft's tax on computer illiterates." -- WE7U


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```

840. [aprssig] Re: Question about trackers?

From: David Rush <david@davidarush.com>
Date: Tue, 25 Jun 2002 11:51:16 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: aprssig@lists.tapr.org
Message-ID: <LYR842-86653-2002.06.25-12.30.36--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

```
Laird:

The TinyTrak II can be easily configured to send out one of two different
messages at the turn of a switch (selecting one of two whole different
configurations, actually). There's no easy way to get more than two, that
I know of.

David, ky0dr


>I'm looking to set up such a system for ground/air search and rescue and
>I'm sure Bob said that the Tiny Trak II could send one of seven canned
>messages by the turn of a switch.
>
>Laird
>N3HLL



---
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```

841. [aprssig] Re: Question about trackers?

From: MLSproul <msproul@cox-internet.com>
Date: Tue, 25 Jun 2002 12:07:19 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: aprssig@lists.tapr.org
Message-ID: <LYR842-86655-2002.06.25-12.45.01--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

At 11:29 AM -0500 6/25/02, David VanHorn wrote:
>At 12:17 PM 6/25/2002 -0400, LAIRD STANTON wrote:
>>Doesn't the tracker have the ability to send canned messages?
>
>What are these attachments you keep sending?
>
>PIC30386.pcx etc
>

I now automatically route message & attachment to the trash

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842. [aprssig] Re: Question about trackers?

From: WA8LMF2@aol.com
Date: Tue, 25 Jun 2002 13:08:11 EDT
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-86656-2002.06.25-12.46.02--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

In a message dated 6/25/2002 10:00:35 AM Pacific Daylight Time,
david@davidarush.com writes:

> There's no easy way to get more than two, that
> I know of.
>

You could configure the system with more than 1 TT-II and use a multipole
rotary switch (a 6-position 2-pole rotary is commonly available evan at
Radio Shack) to select the 1st TT for messages 1 and 2, the second for msgs 3
and 4, etc.

Wire the PTT lines, audio out and mode 1/2 lines of all the TTs in parallel.
Then
use 1 pole of the rotary switch to route power to the appropriate TT, and a
second pole to ground/not ground the mode1/mode2 line.   Even with two or
three TTs involved, it would be cheaper than a MIM encoder.

```
Stephen H. Smith                  wa8lmf @ aol.com
Home Page:                        http://members.aol.com/wa8lmf
Ham Radio/Mobile SSTV page:       http://members.aol.com/wa8lmf/ham
APRS Stuff                        http://members.aol.com/wa8lmf/aprs
---------------------------------------------------------------------
|    Radio Communications Systems       Personal Computers
|                Consulting and Systems Integration
|    GPS Custom Mapping    &     Radio Coverage Surveys
|    File Conversions       MS-Windows Setups       VISCII Fonts
---------------------------------------------------------------------
```

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843. [aprssig] Re: Northeast Digipeater fix up...

From: "Ron MacKay" <ve1aic@yahoo.com>
Date: Tue, 25 Jun 2002 12:47:47
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-86658-2002.06.25-13.25.12--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Thanks for bringing this to our attention Bob.
VE1TPL and all the other UIDIGI nodes in this area now have the "U" overlay
and a PHG.
73 - Ron
VE1AIC
MARCAN APRS Network

On 06/23/02, "Bob Bruninga <bruninga@usna.edu>" wrote:
> NORTHEAST:
>
> In my list of digis that could be improved to help users, the following
> NORTHEAST digipeaters could be improved by providing the proper overlay
> character in the position report (instead of the "/" character)...
>
> VE1TPL   :!4532.55N/06405.66W#/APRS TPARC UDIGI2 - LYNN MTN, NS

<snip>
> The correct overlay characters are:
>
>   R if RELAY only
>   W if RELAY and WIDE
>   T if RELAY,WIDE and TRACE
>   N if WIDEn-N (and relay,wide and trace)
>   I if WIDEn-N (and realy,wide and trace) but ID is set to ON
>   J if Just WIDEn-N and no others supported
>   U if UIdigi
>   D if DIGI_NED software
>
> And it would be nice if they all had a PHG... Thanks de WB4APR, Bob

---
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---

844. [aprssig] The qAC path element (was NOCALL in Brevard)

From: Dale Heatherington <dale@wa4dsy.net>
Date: Tue, 25 Jun 2002 13:52:01 -0400
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-86659-2002.06.25-13.29.35--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

There is only one single aprs server doing the qAC thing.
It's an experimental version of aprsd215 at the wa4dsy
lab. It has not even been released as a beta.
The whole concept of adding information about the
packet source is still under discussion. No final
decision has been reached. But, yes, it should be done
one way, system wide.

About the qA.. construct:

The construct is a header field indicating the rest of the
path is not RF but Internet related. It serves as a seperator
between the RF part and the Internet part. Since several
characters are available they can add information about the
packet and data.

q is a unique character not ever present in a TNC path from RF.
A is the protocol of the data payload, in this case A=APRS.
The 3rd character indicates the local source of the packet as follows:

C validated logged on Client user that didn't add his own q
X un-validated client
R from RF (TNC)
I Internal
S Internet aprs server (old one that didn't put in it's own q)
U the UDP port on aprsd
Z Zero hops. Do not repeat this packet. (::USERLIST etc should set this)
3 3rd party packet converted to normal that has never been Igated TO RF.

Note: The last one "3" is a hack and needs a different solution.

Following the qA path element is the callsign of the station
the packet was received from. If it came from another hub or server
the servers alias is used. The alias is created from the first 6
characters of the domain name plus the 12 bit CRC of the complete
domain name in HEX. These aliases can be seen on the wa4dsy.net
14501 status page. http://wa4dsy.net:14501

This version will continue to add callsigns after the q element
allowing full tracing of the Internet path. In additon it will
check for duplicates in the Internet path trace. If a dup is found
the packet is rejected as a "looped packet". The Internet
trace/loop detector is Steve Dimse's proposal. Other means
of loop prevention are possible (time-to-live counter, existing dup detector).
Less than complete tracing is possible (first station only).
It's still not nailed down.

Also, if a packet is received with the UI-View "callsign,I" construct
present aprsd will replace it the the qA.. construct.

Hopefully this will clear up any confusion about the weird little
qAC thing present in some packets.

```
>Tuesday 25 June 2002 12:29 pm, Curt Mills, WE7U wrote:
>
> There were two options presented to us when we were considering
> adding igate injection ID to Xastir.  This was not one of them.  We
> now do injection ID like this:  "KG4JAC-2,I".  The other option was
> to add a '0' in front of the SSID.  I guess some APRS packages do it
> one way, some the other.
>
> Which software package is igating it as "qAC,KG4JAC-2*"?  So now
> there are three methods of injection ID?
>
> Curt Mills, WE7U                         hacker.NO_*SPAM@tc.fluke.com
> Senior Methods Engineer/SysAdmin
> "Lotto:    A tax on people who are bad at math." -- unknown
> "Windows:  Microsoft's tax on computer illiterates." -- WE7U


--
Dale Heatherington
Web Page http://www.wa4dsy.net
Sent by KMail for Linux




---
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```

845. [aprssig] PCsat Battery Voltage plot

From: Bob Bruninga <bruninga@usna.edu>
Date: Tue, 25 Jun 2002 14:11:10 -0400 (EDT)
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: TAPR APRS SIG <aprssig@lists.tapr.org>
Message-ID: <LYR842-86667-2002.06.25-13.48.44--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

```
I just added to the PCsat page a plot of the last 16 hours of battery
voltages.  It shows the deep discharge during nightime passes over South
Africa after afternoon passes over USA while GPS was on.  Also one station
was beaconing every 5 seconds over the USA, resulting in almost loosing
the power budget.

As we enter into eclipse again, users are encouraged to USE PCsat, but
please do not abuse her.  Once she drops below threshold and resets, then
we cannot get her back out until August.

de WB4APR@amsat.org, Bob

PCsat WEB  page     http://www.ew.usna.edu/~bruninga/pcsat.html


---
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```

846. [aprssig] Re: V7A Crash

From: wa4tkg@attbi.com
Date: Tue, 25 Jun 2002 19:15:27 +0000
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-86675-2002.06.25-14.52.54--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

```
I owned a V7A for a while...
It worked quite well, but as mentioned, it
had a quirk; of a different nature:
It would LOCK UP XMIT when you
UP/Downloaded the entire memory contents
either way.
After shutting the radio OFF for a minute, and a
REstart on the computer/laptop, all would be well.
```

```
---
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```

847. [aprssig] Re: NOCALL in Brevard County (FL)

From: Bob Bruninga <bruninga@usna.edu>
Date: Tue, 25 Jun 2002 15:22:03 -0400 (EDT)
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: TAPR APRS Special Interest Group <aprssig@lists.tapr.org>
Message-ID: <LYR842-86676-2002.06.25-14.59.35--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

```
On Tue, 25 Jun 2002, Curt Mills, WE7U wrote:

> On Mon, 24 Jun 2002, Bill Diaz wrote:
>
> > > >NOCALL>CQ,qAC,KG4JAC-2*:=2806.80N/08039.26WWPHG4130/Melbourne,Fl.
> > > >NWS -FLBREMELBOURN-251-<530>
>
> > The qAC,KG4JAC-2* portion of the header was added by the server to indicate
> > that the packet was gated by KG4JAC-2.
>
> There were two options presented to us when we were considering
> adding igate injection ID to Xastir.  This was not one of them.  We
> now do injection ID like this:  "KG4JAC-2,I".  The other option was
> to add a '0' in front of the SSID.  I guess some APRS packages do it
> one way, some the other.

Sorry, while trying to get the "I" construct added to APRSd, Dale began
many discussions with a number of people and we wanted to expand the "I"
to add additional data, such as the source of the packet, the type, the
Country, its age, and other such data.  And the "I" was suggested to be a
Q which has NO conflict with any ITU callsigns..  He is experimenting witht
this construct before proposing this to the APRS spec list...

Bob, WB4APR



---
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```

848. [aprssig] Re: Northeast Digipeater fix up...

From: Bob Bruninga <bruninga@usna.edu>
Date: Tue, 25 Jun 2002 15:30:37 -0400 (EDT)
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: TAPR APRS Special Interest Group <aprssig@lists.tapr.org>
Message-ID: <LYR842-86677-2002.06.25-15.08.11--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

```
Great!
Thaks for the feedback.  I will update the page when I find time...

Bob

On Tue, 25 Jun 2002, Ron MacKay wrote:

> Thanks for bringing this to our attention Bob.
> VE1TPL and all the other UIDIGI nodes in this area now have the "U" overlay
> and a PHG.
> 73 - Ron
> VE1AIC
> MARCAN APRS Network
>
> On 06/23/02, "Bob Bruninga <bruninga@usna.edu>" wrote:
> > NORTHEAST:
> >
> > In my list of digis that could be improved to help users, the following
> > NORTHEAST digipeaters could be improved by providing the proper overlay
> > character in the position report (instead of the "/" character)...
> >
> > VE1TPL    :!4532.55N/06405.66W#/APRS TPARC UDIGI2 - LYNN MTN, NS
> <snip>
> > The correct overlay characters are:
> >
> >   R if RELAY only
> >   W if RELAY and WIDE
> >   T if RELAY,WIDE and TRACE
> >   N if WIDEn-N (and relay,wide and trace)
> >   I if WIDEn-N (and realy,wide and trace) but ID is set to ON
> >   J if Just WIDEn-N and no others supported
> >   U if UIdigi
> >   D if DIGI_NED software
> >
> > And it would be nice if they all had a PHG... Thanks de WB4APR, Bob
>
> ---
> You are currently subscribed to aprssig as: bruninga@usna.edu
> To unsubscribe send a blank email to leave-aprssig-842K@lists.tapr.org
> Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org
>

de WB4APR@amsat.org, Bob

PCsat WEB  page     http://www.ew.usna.edu/~bruninga/pcsat.html
ISS-APRS FAQ:       http://www.ew.usna.edu/~bruninga/iss-faq.html
CUBESAT Designs     http://www.ew.usna.edu/~bruninga/cubesat.html
APRS LIVE pages     http://www.ew.usna.edu/~bruninga/aprs.html
APRS SATELLITES     http://www.ew.usna.edu/~bruninga/astars.html
MIM/Mic-E/Mic-Lite  http://www.toad.net/~wclement/bruninga/mic-lite.html


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```

---

849. [aprssig] ISS Heard Again

From: "Andrew Rich" <andrew.rich@bigpond.com>
Date: Wed, 26 Jun 2002 05:48:57 +1000
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-86679-2002.06.25-15.26.35--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

```
26/06/2002 04:44 am

RS0ISS was CQ CQ 1200 Baud Packet 145.800 MHz

Andy

-------------------------------------------
Andrew Rich
Callsign: VK4TEC
andrew.rich@bigpond.com
www.users.bigpond.com/andrew.rich/vk4tec.htm

---
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Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org
```

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850. [aprssig] PCSAT

From: John Kraus <jfkraus3@cox.net>
Date: Tue, 25 Jun 2002 16:14:28 -0400
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-86686-2002.06.25-15.51.34--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

```
I have given up trying to serve as an Igate for PCSAT for the simple
reason that I have been unable to determine in APRS+ if I am actually
gating.

I have tried several methods to log the data but it does not show which
packets are sent where.  I also have not heard anything from PCSAT on the
last several passes.  I am using an ALINCO DR-135 to a 1/4 wave ground
plane at 20 feet with 25 feet of coax.

The system works repeaters out to 30 miles with good copy and simplex to
10-15 miles base to mobile.  It should be hearing the PCSAT but does not
seem to be doing so.  I will monitor with Alogger until I see some activity.

I am listening 145.825 as Bob requested.

---
```

```
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Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org
```

851. [aprssig] Re: PCSAT

From: Bob Bruninga <bruninga@usna.edu>
Date: Tue, 25 Jun 2002 16:44:02 -0400 (EDT)
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: TAPR APRS Special Interest Group <aprssig@lists.tapr.org>
Message-ID: <LYR842-86687-2002.06.25-16.21.33--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

```
On Tue, 25 Jun 2002, John Kraus wrote:

>  I have given up trying to serve as an Igate for PCSAT...
> I also have not heard anything from PCSAT on the
> last several passes.  I am using an ALINCO DR-135 to a 1/4 wave ground
> plane at 20 feet with 25 feet of coax.

Today I just did a 16 hour capture and it was on all around the world and
I just turned on the PCsat GPS and got over 12K of downlink data from it.
This was on the 2014z pass on 25 Jun over the east coast.  You will get 3
more passes this evening...

> The system works repeaters out to 30 miles with good copy and simplex to
> 10-15 miles base to mobile.  It should be hearing the PCSAT but does not
> seem to be doing so.  I will monitor with Alogger until I see some activity.
>
> I am listening 145.825 as Bob requested.

Should work, but every dB counts.  (Of course I am using an 8 element
Beam, but the signals on 144.39 downlink are strong enough to even get
in over the top of dx QRM on there...).  Sigs on 145.825 should be just as
strong...

Good luck

Bob
.> > ---
> You are currently subscribed to aprssig as: bruninga@usna.edu
> To unsubscribe send a blank email to leave-aprssig-842K@lists.tapr.org
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>

de WB4APR@amsat.org, Bob

PCsat WEB  page     http://www.ew.usna.edu/~bruninga/pcsat.html
ISS-APRS FAQ:       http://www.ew.usna.edu/~bruninga/iss-faq.html
CUBESAT Designs     http://www.ew.usna.edu/~bruninga/cubesat.html
APRS LIVE pages     http://www.ew.usna.edu/~bruninga/aprs.html
APRS SATELLITES     http://www.ew.usna.edu/~bruninga/astars.html
MIM/Mic-E/Mic-Lite  http://www.toad.net/~wclement/bruninga/mic-lite.html


---
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```

852. [aprssig] Re: PCSAT

From: Bob Bruninga <bruninga@usna.edu>
Date: Tue, 25 Jun 2002 16:57:40 -0400 (EDT)
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: TAPR APRS Special Interest Group <aprssig@lists.tapr.org>
Message-ID: <LYR842-86692-2002.06.25-16.35.10--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

```
On Tue, 25 Jun 2002, John Kraus wrote:

> ...  I also have not heard anything from PCSAT on the last several
> passes....

For what it is worth, I will be commanding HIGH rate telemetry from PCsat
on the 2155z pass this afternoon to try to get some Spin Rate data.
THere will be packets every 10 seconds on 145.828.  I tune to 145.830 at
start of pass and 145.825 at end for best reception...

This is an overhead pass coming up the east coast.  If you are out
west, you wont see it though..
```

de WB4APR, Bob

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853. [aprssig] PCsat SPIN rate.

From: Bob Bruninga <bruninga@usna.edu>
Date: Tue, 25 Jun 2002 19:49:19 -0400 (EDT)
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: amsat-bb@amsat.org
Message-ID: <LYR842-86727-2002.06.25-19.26.48--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

PCsat uses black and white painted antennas around its middle to provide some spin torque due to differential radiation pressure. Last time we measured it in March, the spin had slowed and stabalized to about 0.6 RPM. We assumed this decay to steady state was due to losing any initial spin from separation.

Today (at the end of a 2 week full sun period) we measured it again and it was up to 0.8 RPM, almost 30% faster. Now it is obvious that PCsat spins up when it is in full sun and slows down as it goes through less sun periods of maximum eclipse..

So the radiometer effect does work very well.

de WB4APR@amsat.org, Bob

PCsat WEB page	http://www.ew.usna.edu/~bruninga/pcsat.html
ISS-APRS FAQ:	http://www.ew.usna.edu/~bruninga/iss-faq.html
CUBESAT Designs	http://www.ew.usna.edu/~bruninga/cubesat.html
APRS LIVE pages	http://www.ew.usna.edu/~bruninga/aprs.html
APRS SATELLITES	http://www.ew.usna.edu/~bruninga/astars.html
MIM/Mic-E/Mic-Lite	http://www.toad.net/~wclement/bruninga/mic-lite.html

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854. [aprssig] Re: Question about trackers?

From: "Doug Younker" <dougy@ruraltel.net>
Date: Tue, 25 Jun 2002 14:34:47 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-86728-2002.06.25-19.27.45--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

It is all in how the enforcement agency interprets it's own regulations IF it finds it neccessary to initiate enforcement. In the scenario provided the "immediate" requirement is not really met and it's definitely isn't an issue of "alternate means" not being available because, clearly there are. As I commented in my post to the list; in times of normal activity I wouldn't place a tracker in a vehicle where I would have little control but, wouldn't haven't any hesitation of doing so in this scenario.--73
Doug, N0LKK
dougy@ruraltel.net
----- Original Message -----
From: "Daniel H. Brown" <brown@brauhausdc.org>
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Sent: Tuesday, June 25, 2002 11:19 AM
Subject: [aprssig] Re: Question about trackers?

: On Tue, 25 Jun 2002, LAIRD STANTON wrote:
: >
: > Just one question, has there ever been an action taken against an APRS
: > operator for not having a licensed HAM at the site of a dumb tracker?
: >
:
: (lyris just sent me a 14k message that included my original post, saying
: wouldn't let me post a message that was over 10k and indicating my message
: was 11k over the limit... welcome to the New Math)
:

```
:
: I'm no lawyer, and am certainly not versed in the interpretation of FCC
: legalese, so please forgive me if the following isn't really applicable,
: but, in the instance originally sited here, specifically -- communications
: in support of forest fire fighting efforts, doesn't the following section
: of part 97 apply?
:
: 97.403 Safety of life and protection of property.
:
: No provision of these rules prevents the use by an amateur station of any
: means of radiocommunication at its disposal to provide essential
: communication needs in connection with the immediate safety of human life
: and immediate protection of property when normal communication systems are
: not available.
: ----
:
: Personally, and this should be considered just my opinion, I think that
its
: pretty clear -- putting an APRS tracker into a firetruck which is going to
: be going out to into the wilds seems to me to satisfy all of the above
: points:
:
: - Tracking/locating firefighters is an essencial communications need
:
: - It is being done in connection with immediate protection of life and
: property
:
: - Other communications systems (specifically for tracking and locating)
: aren't available due to either shortages of manpower or shortages of
: equipment.
:
: --
: Dan Brown
: brown@brauhausdc.org
:


---
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```

855. [aprssig] Re: PCsat SPIN rate.

From: David VanHorn <dvanhorn@cedar.net>
Date: Tue, 25 Jun 2002 19:10:31 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: amsat-bb@amsat.org
Message-ID: <LYR842-86733-2002.06.25-19.47.28--lyris.aprssig#tapr.org@lists.tapr.org>
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```
Has your group looked at the anomalous deceleration of the voyager probes
that's being reported in the press?  Looks like an interesting problem
there. (maybe a Nobel :)


---
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```

856. [aprssig] The Riley Factor, SIG, QST

From: "W5JSR" <w5jsr@arrl.net>
Date: Tue, 25 Jun 2002 19:55:30 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-86738-2002.06.25-20.32.59--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

```
Earlier this year I spoke with Riley Hollingsworth about Part 97. His
comment was one that I continue to repeat today whenever someone asks about
our tracking hobby. He said, "Many amateurs try to read more than what is
there. Don't get caught up in the rules so much that it keeps you from
having fun. Our hobby is about having education and having fun. All you have
to do is be responsible, follow a few simple rules, and anyway, if you do
something wrong, someone will let you know."

Now guys, I don't know about you, but that is exactly what I have been and
will continue to do, have fun with this hobby. If you want to debate it down
to the last word, then go ahead, but do it somewhere else. It really doesn't
matter what you say, I am going to have fun with or without you.
```

I want to pass on another comment from Mr. Hollingsworth. I am paraphrasing here, he said we need to stop all the "in-fighting" in our clubs, on the internet and especially on the air! He said that there are many people in other countries who monitor our bands and record our actions. "It is very difficult for us to make our case for Amateur Radio at the WRC when someone comes up and plays a recording of what you heard on 75/80 meters a few years ago."

I can only tell you guys that all this bickering on this SIG is very harmful to our segment of the hobby. I have received numerous complaints from new hams I have pointed to the SIG for information to the point that I NO LONGER RECOMMEND THE APRS SIG TO NEW USERS! This is most unfortunate, as I have been a member and supporter of this SIG for many years. I also teach ham radio classes, graduating more than 100 new hams each year, and have been promoting APRS and this SIG. However, this SIG will no longer be recommended until it is cleaned up.

I want to make a challenge to you folks out there, to take this SIG back to what is was. A place where new users can ask a question we have all heard a thousand times and get a helpful answer. I was amazed to see a new APRS users ask a few weeks ago a simple setup question and was totally ignored! Except for one of you who replied, "go to the website and search the archives!" What would my students do if every time they asked a question I answered with, "go look in the book, I'm too busy to answer you!" I can tell you that I wouldn't have a class very long!

Guys, lets get out of this rut on this SIG and make it what is should be. A place that is helpful to new users and a place to share new ideas!

Finally, I want to give you a heads up on an article I wrote for QST and CQ magazine about APRS and SAR. I think it is to be published in the August issues. I believe we have only started to scratch the surface with applications for APRS and hope that you will join me in making it a fun and enjoyable part of our hobby!

73 de Scott, W5JSR

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---

857. [aprssig] Re: The Riley Factor, SIG, QST

From: Vince <heffer@mindspring.com>
Date: Tue, 25 Jun 2002 21:46:32 -0400
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: TAPR APRS Special Interest Group <aprssig@lists.tapr.org>
Message-ID: <LYR842-86742-2002.06.25-21.24.12--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Well done and thank you!

I wanted to be a part of this 'exclusive' club for over thirty years. Now that I am one, I sometimes wonder if it was worth it considering all the infighting, locally and especially on this SIG. It amazes me how folks who are supposed to be communications experts miss the point of others, and are so willing to impress their opinion on others that they do not 'hear' what another has said. It truely gives me pause.

Thanks Scott,

Vince
kf4zmv

W5JSR wrote:
>
> Earlier this year I spoke with Riley Hollingsworth about Part 97. His
> comment was one that I continue to repeat today whenever someone asks about
> our tracking hobby. He said, "Many amateurs try to read more than what is
> there. Don't get caught up in the rules so much that it keeps you from
> having fun. Our hobby is about having education and having fun. All you have
> to do is be responsible, follow a few simple rules, and anyway, if you do
> something wrong, someone will let you know."

<snip> as Lyris wouldn't allow more

```
---
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```

858. [aprssig] N5FO

From: Jim Duncan <jdbandman@earthlink.net>
Date: Tue, 25 Jun 2002 20:48:55 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-86743-2002.06.25-21.26.30--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

```
Is anyone else getting virus-laden email from this guy?  I have been
trying to contact him as he has apparently made NUMEROUS attempts to
unsubscribe me from the APRS SIG over the past month.

QRZ lookup lists him as James Frazer in Pennsylvania but upon calling
directory assistance for that area no listings were found in the region
matching his name or address.

Stan:  What can we do about this????
--
73 de Jim, KU0G
Chairman/Coordinator
Kansas City APRS Working Group, W0APR
First Alert Storm Team KMBC-TV9
Mailto:ku0g@kcaprs.org
Webpage: http://www.kcaprs.org

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```

859. [aprssig] Re: V7A Shortcomings (Was Re: Cheap tracker ideas?)

From: "Dave Thege" <dthege@ncfcomm.com>
Date: Tue, 25 Jun 2002 21:13:03 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: "David VanHorn" <dvanhorn@cedar.net>, <k9swx@arrl.net>
Message-ID: <LYR842-86744-2002.06.25-21.48.08--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

```
I run a V7 for voice and a D-700 dedicated to APRS. I haven't noticed any
interference between the two. The V-7 is hooked up to a dual band antenna on
the left front fender. The D-700 is connected to a Hustler 5//8 center load
whip behind the cab on the left side of the pickup bed. (This is on 97 F150
Super cab 4x4)
Dave N0XBN
----- Original Message -----
From: "Ralph Milnes" <milnes1@rcn.com>
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: "David VanHorn" <dvanhorn@cedar.net>; <k9swx@arrl.net>
Sent: Tuesday, June 25, 2002 9:19 AM
Subject: [aprssig] V7A Shortcomings (Was Re: Cheap tracker ideas?)


> Dave wrote:
>
> >I don't advise the V7a for APRS. It has an annoying tendency to interpret
> >speech out the speaker as DTMF tones through it's permanently open mic,
and
> >act on them as commands, like reversing the sides, putting APRS on your
> >local repeater till you notice you haven't heard anyone in a couple of
hours.
>
> Dave, could you embellish this a little more? I don't understand yet. For
> example, what do you mean by a "permanently open mic"? I   have a V7A and
> I've not experienced this DTMF tone command problem.
>
> I find the V7A to be a great rig for home APRS -- granted, my APRS
> beaconing rate/digi relays are minimal, so the voice cutouts on data
> transmissions are also minimal. But I would think the V7A would work OK
for
> Stan, given that a D700 isn't available.
>
> For that matter is there any option other than a D700 for simultaneous
> voice and data? For example, if he were to use a second radio in the car
> for APRS, wouldn't any transmissions from it desense the voice radio?
>
```

> Thanks.
>
> Ralph KC2RLM ... in digest mode
>
>
>
>
>
>
> ---
> You are currently subscribed to aprssig as: dthege@ncfcomm.com
> To unsubscribe send a blank email to leave-aprssig-842K@lists.tapr.org
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>

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---

860. [aprssig] Re: The Riley Factor, SIG, QST

From: Wally Foster <wfoster@hsc.usc.edu>
Date: Tue, 25 Jun 2002 19:40:52 -0700
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: TAPR APRS Special Interest Group <aprssig@lists.tapr.org>
Message-ID: <LYR842-86760-2002.06.25-22.18.38--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Bravo !!

W5JSR wrote:

> Earlier this year I spoke with Riley Hollingsworth about Part 97. His
> comment was one that I continue to repeat today whenever someone asks about
> our tracking hobby. He said, "Many amateurs try to read more than what is
> there. Don't get caught up in the rules so much that it keeps you from
> having fun. Our hobby is about having education and having fun. All you have
> to do is be responsible, follow a few simple rules, and anyway, if you do
> something wrong, someone will let you know."
>
> Now guys, I don't know about you, but that is exactly what I have been and
> will continue to do, have fun with this hobby. If you want to debate it down
> to the last word, then go ahead, but do it somewhere else. It really doesn't
> matter what you say, I am going to have fun with or without you.
>
> I want to pass on another comment from Mr. Hollingsworth. I am paraphrasing
> here, he said we need to stop all the "in-fighting" in our clubs, on the
> internet and especially on the air! He said that there are many people in
> other countries who monitor our bands and record our actions. "It is very
> difficult for us to make our case for Amateur Radio at the WRC when someone
> comes up and plays a recording of what you heard on 75/80 meters a few years
> ago."
>
>

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861. [aprssig] APRS in Key West?

From: "Kevin Brown" <kbrown@powerhouseproductions.com>
Date: Tue, 25 Jun 2002 21:41:39 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-86761-2002.06.25-22.23.34--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Heading south this week for some long needed vacation time in Key West.

Before packing my D7A, just wondering if APRS even exists in such a
laid-back area?

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862. [aprssig] RE: Cheap tracker ideas?

From: "Harvey Luke" <hdluke@charter.net>
Date: Tue, 25 Jun 2002 22:11:31 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-86762-2002.06.25-22.48.41--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

I found my GPS unit in a local pawn shop, a Garmin EMap for $90.
Don't overlook this as a source for GPS from people who had to get quick
cash and decided they didn't need them that bad.

Harvey
KM4JA

-----Original Message-----
From: bounce-aprssig-29634@lists.tapr.org
[mailto:bounce-aprssig-29634@lists.tapr.org]On Behalf Of Stan Olson
Sent: Monday, June 24, 2002 7:42 PM
To: TAPR APRS Special Interest Group
Subject: [aprssig] Cheap tracker ideas?

I'm looking to put together a simple tracker/gps combo that I can hook up to
my Kenwood V7A mobile rig. I don't have the money to blow on a nice D700A or
even the Alinco 135 unit. I'd like to get one of those little tracker kits
(like the TinyTrak) and find a compatible GPS unit that would work with it.
(without having to modify it like the Delorme units) I've looked around on
eBay and haven't found many deals on the GPS units. I don't need one with a
display for this purpose, just one that I can power externally and has a
computer output to hook up to a tracker kit. (an external antenna port would
be nifty too, but that's totally optional) I'm really trying to keep costs
under $100 if at all possible. Anyone have any thoughts/suggestions for me?
Heck, maybe one of you has an older tracker setup that you've recently
thrown in the shack due to an upgrade, let me know about it! Thanks to all.

--
Stan Olson, K9SWX
k9swx@arrl.net
www.stansweather.net

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863. [aprssig] NOSaprs 1.14b (BETA) - APRS client connections revisited

From: Maiko Langelaar <maiko@langelaar.net>
Date: Tue, 25 Jun 2002 20:32:48 -0700
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-86763-2002.06.25-23.10.15--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Greetings,

This is for those using or wanting to use their TNOS
or JNOS systems to support APRS activity in their area.

If anyone is interested, there is a new NOSaprs patch
available for people to play with. In this BETA release
I have once again made available support for APRS client
connections on port 14825. This port allows clients to
send APRS information to the APRS IS without getting the
big firehose of data back at them. Ideal for monitor only
stations or weather stations or those clients that have
very low speed/bandwith connections and are not interested
in 3rd party messaging, etc.

The patch and corresponding update notes are at this URL :

http://www.qsl.net/ve4klm/packet/aprss.html

Please read the upgrade notes that accompany this patch,
since they contain very important information on changes
made to the aprs command set and your autoexec.nos entries.

Best regards,

Maiko Langelaar / VE4KLM

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864. [aprssig] Re: APRS in Key West?

From: Robbie <mwrobertson@attbi.com>
Date: Tue, 25 Jun 2002 23:09:04 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: TAPR APRS Special Interest Group <aprssig@lists.tapr.org>
Message-ID: <LYR842-86764-2002.06.25-23.46.17--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

If I were you, I would change my resources of information!

Take your D7A and expect to have fun, the natives are
friendly!

Robbie wa9inf

Kevin Brown wrote:
>
> Heading south this week for some long needed vacation time in Key West.
>
> Before packing my D7A, just wondering if APRS even exists in such a
> laid-back area?
>
> ---
> You are currently subscribed to aprssig as: mwrobertson@attbi.com
> To unsubscribe send a blank email to leave-aprssig-842K@lists.tapr.org
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Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

865. [aprssig] What is sensitivity ?

From: "Andrew Rich" <andrew.rich@bigpond.com>
Date: Wed, 26 Jun 2002 15:20:21 +1000
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-86776-2002.06.26-00.58.02--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

My radio has 0.11 uV sensitivity at 10 dB S/N

Does this mean that to acheive a ratio of 10 db Signal to noise requires 0.11uV or better ?

I can't see why they say 0.11 uV or LESS

Therefore a "lower signal required" = better receiver?

RF Engineers ?

Andrew

Andrew Rich
Callsign: VK4TEC
andrew.rich@bigpond.com
www.users.bigpond.com/andrew.rich/vk4tec.htm

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Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

866. [aprssig] Re: APRS in Key West?

From: roger w rockwell <wb4trz@juno.com>
Date: Wed, 26 Jun 2002 00:26:50 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: aprssig@lists.tapr.org
Message-ID: <LYR842-86777-2002.06.26-01.16.47--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

```
I just went there this week-end to start my motorcycle cross country from
Key West to Homer, Alaska.  APRS worked fine there.
I used path of  wide,wide.  No relay.

I'll be heading out on Friday to continue to Alaska.
http://rwrockwell.com

Have fun in Key west.  Wish I could have stayed longer.

73
Roger
```

____
GET INTERNET ACCESS FROM JUNO!
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867. [aprssig] Re: What is sensitivity ?

From: WA8LMF2@aol.com
Date: Wed, 26 Jun 2002 03:28:14 EDT
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-86779-2002.06.26-03.06.36--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

```
In a message dated 6/25/02 10:22:42 PM Pacific Daylight Time,
andrew.rich@bigpond.com writes:

> Does this mean that to acheive a ratio of 10 db Signal to noise requires 0.
> 11uV or better ?
>
>  I can't see why they say 0.11 uV or LESS

They mean that if you measure several different copies of the same receiver,
you will find the worst case will be .11uV but that MOST (but not all) will
be even better -  .10uV , .09uV , etc for the same 10dB S/N.

Stephen H. Smith                   wa8lmf @ aol.com
Home Page:
http://members.aol.com/wa8lmf
Ham Radio/Mobile SSTV page:     http://members.aol.com/wa8lmf/ham
APRS Stuff
http://members.aol.com/wa8lmf/aprs
-----------------------------------------------------------------------------

----------
|    Radio Communications Systems       Personal Computers
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868. [aprssig] Satellite Program Available (free)

From: "Andrew Rich" <andrew.rich@bigpond.com>
Date: Wed, 26 Jun 2002 19:07:07 +1000
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-86781-2002.06.26-04.44.43--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

I have written a program (comms.zip) I use 24/7 for satellite passes.

www.users.bigpond.com/andrew.rich/vk4tec.htm

Sample Data:-

```
25/06/2002 04:17:06  W3ADO-1>APRS3:Default LT3
25/06/2002 04:17:10  ZL3RX>APRS,W3ADO-1*,SGATE,RELAY:$GPGGA,040242,4331.8309,S,17234.8489,E
25/06/2002 04:17:59  W3ADO-1>BEACON,SGATE:T#318,076,096,102,068,213,00111111,0001,1
25/06/2002 04:18:00  W3ADO-1>APRS4:Default LT4
25/06/2002 04:18:13  ZL3RX>APRS,W3ADO-1*,SGATE,RELAY:$GPGGA,040242,4331.8309,S,17234.8489,E
25/06/2002 04:19:16  ZL3RX>APRS,W3ADO-1*,SGATE,RELAY:$GPGGA,040242,4331.8309,S,17234.8489,E
26/06/2002 04:44:09  RS0ISS>CQ:ARISS - INNTERNATIONAL SPACE STATION
26/06/2002 14:27:37  VK2XGJ>APRSPC,PCSAT-1*:}NO44>QST:!2532.88SS-5407.90E#022/999 OPS-Normal,  de VK2XGJ
26/06/2002 14:27:38  PCSAT-1>ID,SGATE:PCSAT-1/R XBAUD/G MAIL-1/B
26/06/2002 14:27:43  ZL3RX>APRS,PCSAT-1*,SGATE,RELAY:$GPGGA,040242,4331.8309,S,17234.8489,E
26/06/2002 14:27:58  VK4BBS-6>APU24P,W3ADO-1,SGATE,WIDE:=/\LA&u1Al-  B,Brian  bbeamish@bigpond.net.au
{UIV32}
26/06/2002 14:28:04  PCSAT-1>BEACON,SGATE:T#380,158,158,063,209,213,00111111,0111,1
26/06/2002 14:29:34  PCSAT-1>BEACON,SGATE:>260420z OPS Normal 2m rate.  Use any alias unless 11111111
tlm.
```

Andrew Rich
Callsign: VK4TEC
andrew.rich@bigpond.com
www.users.bigpond.com/andrew.rich/vk4tec.htm

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869. [aprssig] Re: What is sensitivity ?

From: Doug Bade <dbade@clecom.com>
Date: Wed, 26 Jun 2002 08:30:49 -0400
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-86782-2002.06.26-08.09.43--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

More specifically if you have .11uV signal, the receiver will display 10db Sinad (which is weighted to specifi specs) on a Sinad meter connected to the audio chain. A Sinad meter measures signal to noise ratio yes....

The or less part means some specimens will exhibit 10db Sinad at lower signal levels than that, but .11uV will be worst case sensitivity for any properly tune factory specimen...ang that is a guaranteed better than spec...

At 03:20 PM 6/26/02 +1000, Andrew Rich wrote:
>My radio has 0.11 uV sensitivity at 10 dB S/N
>
>Does this mean that to acheive a ratio of 10 db Signal to noise requires
>0.11uV or better ?
>
>I can't see why they say 0.11 uV or LESS
>
>Therefore a "lower signal required" = better receiver?
>
>RF Engineers ?
>
>Andrew
>
>--
>Andrew Rich
>Callsign: VK4TEC
>andrew.rich@bigpond.com
>www.users.bigpond.com/andrew.rich/vk4tec.htm
>
>---
>You are currently subscribed to aprssig as: DOUG@CLECOM.COM
>To unsubscribe send a blank email to leave-aprssig-842K@lists.tapr.org
>Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

---
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Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

870. [aprssig] Re: What is sensitivity ?

From: Doug Bade <dbade@clecom.com>
Date: Wed, 26 Jun 2002 08:43:16 -0400
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-86783-2002.06.26-08.20.48--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

```
I forgot to address the second part... Sensitivity is only half the
equation, if your receiver and the transmitter are the ONLY ones on the air
on any freq adjacent, then yes it is most important, however sensitivity is
balanced with selectivity which is the ability to ignore off freq signals
which you do not need to hear..
         As you amplify the front end of the receiver which improves
sensitivity, selectivity degrades as all components have overload figures
which can eventually, with too much interference or overload, negate the
gains of any additional amplifiers ( which is what improves sensitivity )
         In general all the components in a receiver which make it
selective, reduce the sensitivity of the receiver at the same time, so
amplifiers are added in the chain to recover losses induced by these
components. Amplifiers can only recover losses in components after them, so
any filtering components in front of them are losses.. period...But the
closer the amplifiers are to the antenna jack, the more likely selectivity
issues will get worse as overload and noise in general will rise along with
the good signal..

         So all receivers are a tradeoff of these things, so as to be able
to live in the RF environment of our imperfect situation...

Doug Bade KB8GVQ


At 03:20 PM 6/26/02 +1000, Andrew Rich wrote:
>My radio has 0.11 uV sensitivity at 10 dB S/N
>
>Does this mean that to acheive a ratio of 10 db Signal to noise requires
>0.11uV or better ?
>
>I can't see why they say 0.11 uV or LESS
>
>Therefore a "lower signal required" = better receiver?
>
>RF Engineers ?
>
>Andrew
>
>------------------------------------------
>Andrew Rich
>Callsign: VK4TEC
>andrew.rich@bigpond.com
>www.users.bigpond.com/andrew.rich/vk4tec.htm
>
>---
>You are currently subscribed to aprssig as: DOUG@CLECOM.COM
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```

871. [aprssig] Re: Question about trackers?

From: LAIRD STANTON <LAIRD_STANTON@alexandria-emh1.army.mil>
Date: Wed, 26 Jun 2002 09:34:58 -0400
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: TAPR APRS Special Interest Group <aprssig@lists.tapr.org>
Message-ID: <LYR842-86786-2002.06.26-09.06.42--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

```
RATS!!!!!!

Laird
N3HLL

   -----Original Message-----
   From:   "Curt Mills, WE7U" <hacker@tc.fluke.com>@AMC
```

```
Sent:   Tuesday, June 25, 2002 9:44 AM
To:     LAIRD STANTON <LAIRD_STANTON@alexandria-emh1.army.mil>
Cc:     TAPR APRS Special Interest Group <aprssig@lists.tapr.org>
Subject:  Re: [aprssig] Re: Question about trackers?

(Embedded image moved to file: pic20148.pcx)
On Tue, 25 Jun 2002, LAIRD STANTON wrote:

> I'm looking to set up such a system for ground/air search and
rescue and
> I'm sure Bob said that the Tiny Trak II could send one of seven
canned
> messages by the turn of a switch.

No, that would be the Mic-Encoder from TAPR that can do that.  It
has a rotary switch for setting one of the 7 Mic-E messages.

The TinyTrak-II can switch between only two modes with an external
switch.  You could put set it for an emergency message on one side
and select it with a toggle switch.  You can program in one of the
canned Mic-E messages and/or add your own message in the comment
field.  You need a computer to do this programming, so out in the
field all you can do is hit that switch to transmit the
pre-programmed settings.

You can also switch between 7 different messages in the Kenwood
TH-D7A or TM-D700A.  They are the 7 canned messages that are in the
Mic-E protocol.

Curt Mills, WE7U                         hacker.NO_*SPAM@tc.fluke.com
Senior Methods Engineer/SysAdmin
"Lotto:    A tax on people who are bad at math." -- unknown
"Windows:  Microsoft's tax on computer illiterates." -- WE7U
```

[Attachment: pic20148.pcx; application/octet-stream; 2,707 bytes]

872. [aprssig] Re: APRS in Key West?

From: Bob Bruninga <bruninga@usna.edu>
Date: Wed, 26 Jun 2002 09:30:47 -0400 (EDT)
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: TAPR APRS Special Interest Group <aprssig@lists.tapr.org>
Message-ID: <LYR842-86787-2002.06.26-09.08.36--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

```
On Tue, 25 Jun 2002, Kevin Brown wrote:

> Heading south this week for some long needed vacation time in Key West.
> Before packing my D7A, just wondering if APRS even exists in such a
> laid-back area?

Not only yes, but APRS exsits everywhere on the planet at least 12 times a
day for a few minutes as either PCsat or the ISS comes over.  A friend is
using his D7 and a full size whip to send Email while he is offshore on
his sailboat...

See links below...

de WB4APR@amsat.org, Bob

PCsat WEB  page     http://www.ew.usna.edu/~bruninga/pcsat.html
ISS-APRS FAQ:       http://www.ew.usna.edu/~bruninga/iss-faq.html
APRS SATELLITES     http://www.ew.usna.edu/~bruninga/astars.html


---
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```

873. [aprssig] Re: Question about trackers?

From: LAIRD STANTON <LAIRD_STANTON%Exchange@alexandria-emh1.army.mil>
Date: Wed, 26 Jun 2002 09:53:48 -0400
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: aprssig@lists.tapr.org, doim@alexandria-emh1.army.mil
Message-ID: <LYR842-86788-2002.06.26-09.25.38--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

```
Don't know, being appended by Outlook, not by me, DOIM is looking into
it, think it is an icon, how big is it?  My "sent file" copies have
nothing appended.
```

Laird
N3HLL

-----Original Message-----
From: David VanHorn <dvanhorn@cedar.net>@AMC
Sent: Tuesday, June 25, 2002 9:30 AM
To: LAIRD STANTON <LAIRD_STANTON@alexandria-emh1.army.mil>; TAPR
APRS Special Interest Group <aprssig@lists.tapr.org>
Cc: aprssig@lists.tapr.org
Subject: Re: [aprssig] Re: Question about trackers?

(Embedded image moved to file: pic24339.pcx)
At 12:17 PM 6/25/2002 -0400, LAIRD STANTON wrote:
>Doesn't the tracker have the ability to send canned messages?

What are these attachments you keep sending?

PIC30386.pcx etc

[Attachment: pic24339.pcx; application/octet-stream; 2,707 bytes]

---

874. [aprssig] Re: Question about trackers?

From: "Mike Yetsko" <myetsko@insydesw.com>
Date: Wed, 26 Jun 2002 10:05:34 -0400
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: <doim@alexandria-emh1.army.mil>
Message-ID: <LYR842-86789-2002.06.26-09.45.09--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

> Don't know, being appended by Outlook, not by me, DOIM is looking into
> it, think it is an icon, how big is it? My "sent file" copies have
> nothing appended.
>
> Laird
> N3HLL

What you see below is being sent on every post you make...
I took a look at it, and it appears to be the little icon that specifies
an attachment...

Do you have OE configured to send a 'tag line'?

Mike

Content-type: application/octet-stream;
 name="pic24339.pcx"
Content-Disposition: attachment; filename="pic24339.pcx"
Content-transfer-encoding: base64

```
CgUBCAAAAABGADAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAA
AA
AAAAAAAAAAABRwABAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAA
AA
AAAAAAAAAAAAAAAAAADk/9L/yf/F/8L/wf/T/9MA0f/J/8T/wv/B/9P/AMH/B8H/B8H/B8H/B8
H/
B8H/B8H/B8H/B8H/wgDR/8j/xP/C/8H/0/8AB8H/B8H/B8H/B8H/B8H/B8H/B8H/BwAHAN
D/
yP/E/8L/wf/T/wDB/wfB/wfB/wfB/wfB/wfB/wfB/wfB/wfB/wDCBwDQ/8j/xP/C/9P/AAfB/w
fB
/wfB/wfB/wfB/wfB/wfB/wcAwwcAz//I/8T/wv/T/wDB/wfB/wfB/wfB/wfB/wfB/wfB/w
fB
/wfB/wDEBwDP/8f/xP/C/9P/AAfB/wfB/wfB/wfB/wfB/wfB/wfB/wfHAM7/x//E/8L/0/
8A
wf8Hwf8Hwf8Hwf8Hwf8Hwf8Hwf8Hwf8Hwf8Hwf8Hwf8Azv/H/8T/wv/T/wAHwf8Hwf8Hwf
8H
wf8Hwf8Hwf8Hwf8Hwf8Hwf8Hwf8HAM7/x//E/8L/0/8Awf8Hwf8Hwf8Hwf8Hwf8Hwf8Hwf
8H
wf8Hwf8Hwf8Hwf8Azv/H/8T/wv/T/wAHwf8Hwf8Hwf8Hwf8Hwf8Hwf8Hwf8Hwf8Hwf8Hwf
8H
wf8HAM7/x//E/8L/0/8Awf8Hwf8Hwf8Hwf8Hwf8Hwf8Hwf8Hwf8Hwf8Hwf8Azv/H/8
T/
wv/T/wAHwf8Hwf8Hwf8Hwf8Hwf8Hwf8Hwf8Hwf8Hwf8Hwf8HAM7/x//E/8L/0/8Awf8Hwf
8H
wf8Hwf8Hwf8Hwf8Hwf8Hwf8Hwf8Hwf8Azv/H/8T/wv/T/wAHwf8Hwf8Hwf8Hwf8Hwf
8H
wf8Hwf8Hwf8Hwf8Hwf8HAM7/x//E/8L/0/8Awf8Hwf8Hwf8Hwf8Hwf8Hwf8Hwf8Hwf
8H
wf8Hwf8Azv/H/8T/wv/T/wAHwf8Hwf8Hwf8Hwf8Hwf8Hwf8Hwf8Hwf8Hwf8Hwf8HAM
```

7/
x//E/8L/0/8Awf8Hwf8Hwf8Hwf8Hwf8Hwf8Hwf8Hwf8Hwf8Hwf8Hwf8Hwf8Azv/H/8T/wv/T/w
AH
wf8Hwf8Hwf8Hwf8Hwf8Hwf8Hwf8Hwf8Hwf8Hwf8HAM7/x//E/8L/0/8Awf8Hwf8Hwf8Hwf
8H
wf8Hwf8Hwf8Hwf8Hwf8Hwf8Hwf8Azv/H/8T/wv/T/wAHwf8Hwf8Hwf8Hwf8Hwf8Hwf8Hwf
8H
wf8Hwf8Hwf8Hwf8HAM7/x//E/8L/0/8Awf8Hwf8Hwf8Hwf8Hwf8Hwf8Hwf8Hwf8Hwf8Hwf
8H
wf8Azv/H/8T/wv/T/wAHwf8Hwf8Hwf8Hwf8Hwf8Hwf8Hwf8Hwf8Hwf8Hwf8HAM7/x//E/8
L/
0/8Awf8Hwf8Hwf8Hwf8Hwf8Hwf8Hwf8Hwf8Hwf8Hwf8Hwf8Azv/H/8T/wv/T/wAHwf8Hwf
8H
wf8Hwf8Hwf8Hwf8Hwf8Hwf8Hwf8Hwf8HAM7/x//E/8L/0/8Awf8Hwf8Hwf8Hwf8Hwf8Hwf
8H
wf8Hwf8Hwf8Hwf8Hwf8Azv/H/8T/wv/T/wAHwf8Hwf8Hwf8Hwf8Hwf8Hwf8Hwf8Hwf8Hwf
8H
wf8Hwf8HAM7/x//E/8L/0/8Awf8Hwf8Hwf8Hwf8Hwf8Hwf8Hwf8Hwf8Hwf8Hwf8Hwf8Azv
/H
/8T/wv/T/wAHwf8Hwf8Hwf8Hwf8Hwf8Hwf8Hwf8Hwf8Hwf8Hwf8Hwf8HAM7/x//E/8L/0//ZAM
7/
x//E/8L/5P/S/8n/xf/C/8H/5P/S/8n/xf/C/8H/5P/S/8n/xf/C/8H/5P/S/8n/xf/C/8H/5P
/S
/8n/xf/C/8H/5P/S/8n/xf/C/8H/5P/S/8n/xf/C/8H/x/8AxP8Awv8Azv8A1f/E/wDI/8T/wv
/G
/wDB/wDD/wDC/wDO/wDV/8T/AMj/xP/C/8b/AMH/AML/xgDC/8MAw//DAML/AMH/wgDC/wDB/8
QA
w//DAML/xADB/8MAx//E/8L/xv8Awf8Aw/8Awv8Awv8Aw/8Awf8Aw/8Awf/CAML/AMH/wgDB/w
DC
/wDB/wDD/wDB/wDD/wDB/wDI/8T/wv/F/wDD/wDC/wDC/wDD/8QAwf8Axf8Aw/8Awf8Awv8Awv
8A
wf/FAMH/AMP/AMH/AMj/xP/C/8X/xQDC/wDC/wDC/wDD/wDB/wDF/wDD/wDB/wDC/wDC/wDB/w
DF
/wDD/wDB/wDI/8T/wv/E/wDF/wDB/wDC/wDC/wDC/8IAwf8Aw/8Awf8Aw/8Awf8Awv8Awv8Awf
8A
w/8Awf8Aw/8Awf8AyP/E/8L/xP8Axf8Awf/CAMH/wgDC/8IAwf8Awv/DAML/AMP/AMH/AML/AM
L/
AML/wwDC/wDD/wDB/8IAx//E/8L/5P/S/8n/xf/C/8H/5P/S/8n/xf/C/8H/5P/S/8n/xf/C/8
H/
DAAAAIAAAACAAICAAAAAgIAAgACAgMDAwMDcwKbK8EAgAGAgAIAgAKAgAMAgAOAgAABAACBAAE
BA
AGBAAIBAAKBAAMBAAOBAAABgACBgAEBgAGBgAIBgAKBgAMBgAOBgAACAACCAAECAAGCAAICAAK
CA
AMCAAOCAAACgACCgAECgAGCgAICgAKCgAMCgAOCgAADAACDAAEDAAGDAAIDAAKDAAMDAAODAAA
Dg
ACDgAEDgAGDgAIDgAKDgAMDgAODgAAAAQCAAQEAAQGAAQIAAQKAAQMAAQOAAQAAgQCAgQEAgQG
Ag
QIAgQKAgQMAgQOAgQABAQCBAQEBAQGBAQIBAQKBAQMBAQOBAQABgQCBgQEBgQGBgQIBgQKBgQM
Bg
QOBgQACAQCCAQECAQGCAQICAQKCAQMCAQOCAQACgQCCgQECgQGCgQICgQKCgQMCgQOCgQADAQC
DA
QEDAQGDAQIDAQKDAQMDAQODAQADgQCDgQEDgQGDgQIDgQKDgQMDgQODgQAAAgCAAgEAAgGAAgI
AA
gKAAgMAAgOAAgAAggCAggEAggGAggIAggKAggMAggOAggABAgCBAgEBAgGBAgIBAgKBAgMBAgO
BA
gABggCBggEBggGBggIBggKBggMBggOBggACAgCCAgECAgGCAgICAgKCAgMCAgOCAgACggCCggE
Cg
gGCggICggKCggMCggOCggADAgCDAgEDAgGDAgIDAgKDAgMDAgODAgADggCDggEDggGDggIDggK
Dg
gMDggODggAAAwCAAwEAAwGAAwIAAwKAAwMAAwOAAwAAgwCAgwEAgwGAgwIAgwKAgwMAgwOAgwA
BA
wCBAwEBAwGBAwIBAwKBAwMBAwOBAwABgwCBgwEBgwGBgwIBgwKBgwMBgwOBgwACAwCCAwECAwG
CA
wICAwKCAwMCAwOCAwACgwCCgwECgwGCgwICgwKCgwMCgwOCgwADAwCDAwEDAwGDAwIDAwKDAwP
/7
8KCgpICAgP8AAAD/AP//AAAA//8A/wD//////w==

--0__=3U0T7RQ6lRm11FU7i3DziFYwve2ze3pglz8Z1jSVXNpcv63Iqv7dUp8L--

---
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Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

875. [aprssig] Re: Question about trackers?

From: LAIRD STANTON <LAIRD_STANTON@alexandria-emh1.army.mil>
Date: Wed, 26 Jun 2002 10:18:38 -0400
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: aprssig@lists.tapr.org, doim@alexandria-emh1.army.mil
Message-ID: <LYR842-86790-2002.06.26-10.01.40--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

```
OK,  it is a 2.6 kb file, an icon of a sheet of paper with the corner
turned down labelled "attachment",  DOIM is working on the problem.

Laird
N3HLL

   -----Original Message-----
   From:   LAIRD STANTON
             <LAIRD_STANTON@alexandria-emh1.army.mil>@AMC
   Sent:   Wednesday, June 26, 2002 6:54 AM
   To:     "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
   Cc:     aprssig@lists.tapr.org; doim@alexandria-emh1.army.mil
   Subject:  [aprssig] Re: Question about trackers?

   (Embedded image moved to file: pic21261.pcx)
   Don't know, being appended by Outlook, not by me, DOIM is looking
   into
   it, think it is an icon, how big is it?  My "sent file" copies have
   nothing appended.

   Laird
   N3HLL

      -----Original Message-----
      From:   David VanHorn <dvanhorn@cedar.net>@AMC
      Sent:   Tuesday, June 25, 2002 9:30 AM
      To:     LAIRD STANTON <LAIRD_STANTON@alexandria-emh1.army.mil>;
   TAPR
                APRS Special Interest Group <aprssig@lists.tapr.org>
      Cc:     aprssig@lists.tapr.org
      Subject:  Re: [aprssig] Re: Question about trackers?

      (Embedded image moved to file: pic24339.pcx)
      At 12:17 PM 6/25/2002 -0400, LAIRD STANTON wrote:
      >Doesn't the tracker have the ability to send canned messages?

      What are these attachments you keep sending?

      PIC30386.pcx etc

   (Embedded image moved to file: pic03268.pcx) - pic24339.pcx << File:
   pic24339.pcx >>
```

[Attachment: pic21261.pcx; application/octet-stream; 2,707 bytes]
[Attachment: pic03268.pcx; application/octet-stream; 2,707 bytes]

876. [aprssig] Re: APRS in Key West?

From: Robbie <mwrobertson@attbi.com>
Date: Wed, 26 Jun 2002 09:31:33 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: TAPR APRS Special Interest Group <aprssig@lists.tapr.org>
Message-ID: <LYR842-86791-2002.06.26-10.08.42--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

```
I was there 4 weeks ago for a week. My path was
RELAY,WIDE,WIDE and I was on FINDU most of the time.

Why are we having to discuss NO RELAY again and again? RELAY
should be honored everywhere a mobile can go, period. All
WIDES should, and ALL home stations should honor RELAY
unless too many neighbors are already operating as RELAY,
for the soul purpose of getting mobiles to the first WIDE.

We in the Chicagoland area do this and every traveler coming
through gets seen and I-Gated so his hometown friends and
relatives can track his progress... RELAYs can be managed
just like WIDEs can, right?

My 2 cents again, :-)

Robbie

roger w rockwell wrote:
>
```

> I just went there this week-end to start my motorcycle cross country from
> Key West to Homer, Alaska. APRS worked fine there.
> I used path of wide,wide. No relay.
>
> I'll be heading out on Friday to continue to Alaska.
> http://rwrockwell.com
>
> Have fun in Key west. Wish I could have stayed longer.
>
> 73
> Roger
>
> ____
> GET INTERNET ACCESS FROM JUNO!
> Juno offers FREE or PREMIUM Internet access for less!
> Join Juno today! For your FREE software, visit:
> http://dl.www.juno.com/get/web/.
>
> ---
> You are currently subscribed to aprssig as: mwrobertson@attbi.com
> To unsubscribe send a blank email to leave-aprssig-842K@lists.tapr.org
> Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

---
You are currently subscribed to aprssig as: lyris.aprssig@tapr.org
To unsubscribe send a blank email to leave-aprssig-842K@lists.tapr.org
Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

877. [aprssig] PCsat Load test

From: Bob Bruninga <bruninga@usna.edu>
Date: Wed, 26 Jun 2002 10:41:29 -0400 (EDT)
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-86792-2002.06.26-10.18.59--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

PCsat USER INVITATION:

Since we blew it for fieldday (low bats), PCsat has just never gotten a
full user load to prove its ability to support hundreds of users per
pass.   Before it goes back into maximum ecllipses, I would like to
load it with as MANY different users as we can. Target is TOMORRW.

THURSDAY AFTERNOON, GOING HOME RUSH HOUR, USA, 27 JUNE 2002

If you normally run APRS mobile with a path beginning with RELAY or WIDE,
all you have to do is QSY to 145.825 tomorrow afternoon. PCsat is just
like any other APRS terrestrial RELAY or WIDE digipeater. Keep your rate
set to once every TWO minutes or so. Do not force more frequent
transmissions... thanks.

PASS TIMES THURSDAY AFTERNOON RUSH HOUR 27 June 2002

PDT	MDT	CDT	EDT
....	....	....	1525 (northeast only)
....	....	1605	1705
1545	1645	1745	1845
1730	1830	1930	....
1910	1810	....	....

Please do NOT transmit more often than once a minute or so, so that we can
see the statistics of the most number of people, not the most number of
packets... Here are the settings if you are setting up from scratch:

UPLINK/DOWNLINK: 145.825 MHz FM packet 1200 baud AFSK
DIGIPEATER PATH: via RELAY or WIDE or ARISS or W3ADO-1
PACKET PERIOD: On the order of 2 minutes or so

Note, the DEFAULT alias for PCsat is W3ADO-1 which will always work. In
order for RELAY and WIDE to work, the satellite has to be loaded with the
additional aliases. THey WILL be loaded, unless Murphy strikes...

Please set up your tracker or mobile or base station and join us. We want
to do this test to see the maximum number of stations we can support for
the sake of validating the design for the future.

Also feel free to load ONE Email or APRS message and set it to the 1
minute rate as well if you have time... (do not force transmissions any
more often)..

IGATES: Recently, we don't see as many IGates set up for feeding PCsat
packets into the APRS internet system which drives http://pcsat.aprs.org
and so we would ask IGate operators to be sure to have your receiver
tuned to 145.825 for Thursday afternoon... if you can... Thanks

de WB4APR@amsat.org, Bob

PCsat WEB page   http://www.ew.usna.edu/~bruninga/pcsat.html

You are currently subscribed to aprssig as: lyris.aprssig@tapr.org
To unsubscribe send a blank email to leave-aprssig-842K@lists.tapr.org
Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

---

878. [aprssig] Re: APRS in Key West?

From: Chris Schwab <1schwab1@tampabay.rr.com>
Date: Wed, 26 Jun 2002 10:44:25 -0400
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-86793-2002.06.26-10.24.09--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

All:

I was down there a few weeks ago myself, and had a conversation with K4HG
about the digi's down there.

To paraphrase the converstation:
The network was originally set up to serve the Monroe County EOC with
weather data from the Keys weather stations. There was not/still is not many
other APRS stations in the keys, so the trustee of the WX stations is not
interested in making changes. For a while, the WX stations were not even on
the same frequency, and according to Steve, it basically took an act of
congress to get the stations moved to 144.39.

Your best bet: Set your station to Wide,Wide once you are south of Florida
City (the last city on the Turnpike). You'll have coverage up & down most of
the keys.

73!
Chris N4BSA

----- Original Message -----
From: "Robbie" <mwrobertson@attbi.com>
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Sent: Wednesday, June 26, 2002 10:31 AM
Subject: [aprssig] Re: APRS in Key West?

> I was there 4 weeks ago for a week. My path was
> RELAY,WIDE,WIDE and I was on FINDU most of the time.
>
> Why are we having to discuss NO RELAY again and again? RELAY
> should be honored everywhere a mobile can go, period. All
> WIDES should, and ALL home stations should honor RELAY
> unless too many neighbors are already operating as RELAY,
> for the soul purpose of getting mobiles to the first WIDE.
>
> We in the Chicagoland area do this and every traveler coming
> through gets seen and I-Gated so his hometown friends and
> relatives can track his progress... RELAYs can be managed
> just like WIDEs can, right?
>
> My 2 cents again, :-)
>
> Robbie
>
> roger w rockwell wrote:
> >
> > I just went there this week-end to start my motorcycle cross country
from
> > Key West to Homer, Alaska. APRS worked fine there.
> > I used path of wide,wide. No relay.
> >
> > I'll be heading out on Friday to continue to Alaska.
> > http://rwrockwell.com
> >

> > Have fun in Key west. Wish I could have stayed longer.
> >
> > 73
> > Roger
> >
> > ____
> > GET INTERNET ACCESS FROM JUNO!
> > Juno offers FREE or PREMIUM Internet access for less!
> > Join Juno today! For your FREE software, visit:
> > http://dl.www.juno.com/get/web/.
> >
> > ---
> > You are currently subscribed to aprssig as: mwrobertson@attbi.com
> > To unsubscribe send a blank email to leave-aprssig-842K@lists.tapr.org
> > Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org
>
> ---
> You are currently subscribed to aprssig as: 1SCHWAB1@TAMPABAY.RR.COM
> To unsubscribe send a blank email to leave-aprssig-842K@lists.tapr.org
> Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org
>

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Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

879. [aprssig] Keys

From: Robbie <mwrobertson@attbi.com>
Date: Wed, 26 Jun 2002 10:00:47 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-86795-2002.06.26-10.37.58--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

While checking out the stations along US 1 along the keys, I
noticed a callsign descreptiency with one of those WX
stations Steve was talking about on the subject of RELAYs.

It has W71UC-6, the number one instead of the letter I..
Maybe while he is fixing that, he can also fix it to honor
RELAYs, :-)

Robbie, wa9inf

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Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

880. [aprssig] Re: [Vince] Re: The Riley Factor, SIG, QST

From: "Gregg G. Wonderly" <gregg@skymaster.c2-tech.com>
Date: Wed, 26 Jun 2002 12:30:59 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: TAPR APRS Special Interest Group <aprssig@lists.tapr.org>
Message-ID: <LYR842-86798-2002.06.26-13.08.31--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

> I wanted to be a part of this 'exclusive' club for over thirty years. Now
> that I am one, I sometimes wonder if it was worth it considering all the
> infighting, locally and especially on this SIG. It amazes me how folks who
> are supposed to be communications experts miss the point of others, and are
> so willing to impress their opinion on others that they do not 'hear' what
> another has said. It truely gives me pause.

Amateur Radio phone transmitions are a broadcast media. Some people in this
hobby are broadcasters (a oneway media) and so, this is what they do. They
say a lot, listen little (if any) and learn nothing more. Others in the hobby
are listeners, and receive what they hear without much response. Still others
are two way messengers that give and take freely the information that they
have access to.

The broadcasters are the most annoying and the listeners are the ones we have
the most to learn from (they have heard it all). The two-way messengers hold
the latter two groups in each hand and provide all this profound
interpretation of what they perceive.

We need all of these people. We just have to learn to live with them and
understand their mental bias toward a particular mode of participation. And
that participation may change over time based on the feedback we give them!

```
-----
gregg@c2-tech.com  (C2 Technologies Inc)



---
You are currently subscribed to aprssig as: lyris.aprssig@tapr.org
To unsubscribe send a blank email to leave-aprssig-842K@lists.tapr.org
Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org
```

881. Your confirmation is needed (ok 842)

From: Lyris <unsubscribe-confirm@lists.tapr.org>
Date: Wed, 26 Jun 2002 13:27:25 -0500
To: lyris.aprssig@tapr.org
Message-ID: <LYR842-86802-2002.06.26-13.27.25--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

```
Your email address 'lyris.aprssig@tapr.org' has been submitted to be
unsubscribed from the 'aprssig' mailing list.

This unsubscribe command requires your confirmation that you want to be
unsubscribed.

To confirm that you do want to unsubscribe, reply to this message so that
the words "ok 842" appear somewhere on the subject line.

Make sure that your reply message is addressed to
unsubscribe-confirm@lists.tapr.org

You will receive notification that your confirmation has been received, and
that you have been unsubscribed.

If you do not want to unsubscribe, do nothing.  You will be kept on the
mailing list.

---

Return-Path: <broadwayphotollc@hotmail.com>
Received: from ERIC ([24.29.135.139]) by lists.tapr.org with SMTP (Lyris Server version 3.0); Wed, 26
Jun 2002 13:27:20 -0500
From: Great Deals <broadwayphotollc@hotmail.com>
Reply-To: broadwayphotollc@hotmail.com
Subject:
Date: Wed, 26 Jun 2002 13:49:56 -0400
MIME-Version: 1.0
Content-Type: multipart/mixed; boundary="fec1e753-d5f1-4773-836e-a161b3040111"
to: aprssig-request

# Mail sent to leave-aprssig-842k was converted to these commands:
unsubscribe aprssig lyris.aprssig@tapr.org confirm
end

# This is the text of the message that triggered the action:

Return-Path: <broadwayphotollc@hotmail.com>
Received: from ERIC ([24.29.135.139]) by lists.tapr.org with SMTP (Lyris Server version 3.0); Wed, 26
Jun 2002 13:27:20 -0500
From: Great Deals <broadwayphotollc@hotmail.com>
Reply-To: broadwayphotollc@hotmail.com
Subject: Great Deals On All MiniDV Camcorders & Digital Cameras
Date: Wed, 26 Jun 2002 13:49:56 -0400
MIME-Version: 1.0
Content-Type: multipart/mixed; boundary="fec1e753-d5f1-4773-836e-a161b3040111"


This is a multi-part message in MIME format

--fec1e753-d5f1-4773-836e-a161b3040111
Content-Type: text/plain; charset=iso-8859-1
Content-Transfer-Encoding: quoted-printable

Are you looking for a great deal (below cost) on any Sony MiniDV Camcorder, =
or Digital Camera?
Look no further because we will beat ANYBODIES price. Why waste money?? =
Discover the source that savvy shoppers have known for years!
Call 800-339-9611 To get a free quote!
Call between 10:00am & 7:00pm Eastern Time
--fec1e753-d5f1-4773-836e-a161b3040111--
```

882. Great Deals On All MiniDV Camcorders & Digital Cameras

From: Great Deals <broadwayphotollc@hotmail.com>
Date: Wed, 26 Jun 2002 14:17:39 -0400
To: undisclosed-recipients:;
Message-ID: <20020626181734.C246C699A5@mx1.mail.twtelecom.net>
Rendered body type: text/plain

Are you looking for a great deal (below cost) on any Sony MiniDV Camcorder, or Digital Camera?
Look no further because we will beat ANYBODIES price. Why waste money?? Discover the source that savvy shoppers have known for years!
Call 800-339-9611 To get a free quote!
Call between 10:00am & 7:00pm Eastern Time

---

883. [aprssig] SVeeSix-CM3 GPS receiver

From: gregory.beat@attbi.com
Date: Wed, 26 Jun 2002 20:56:31 +0000
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: tacgps@lists.tapr.org
Message-ID: <LYR842-86812-2002.06.26-16.34.03--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Thinking about the surplus SVeeSix-CM3 GPS receiver?

Documentation, an interface schematic and Trimble
software links are provided for the surplus SVeeSix-CM3
GPS receivers currently available from B.G. Micro.

The document is in Adobe Acrobat format and is useful
for reading or study before purchase. Seems to be a
well written document.

http://www.bgmicro.com/pdf/acs1394.pdf

73 de w9gb
Greg

You are currently subscribed to aprssig as: lyris.aprssig@tapr.org
To unsubscribe send a blank email to leave-aprssig-842K@lists.tapr.org
Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

---

884. [aprssig] How many GPS receivers left?

From: gregory.beat@attbi.com
Date: Wed, 26 Jun 2002 21:07:00 +0000
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: tacgps@lists.tapr.org
Message-ID: <LYR842-86814-2002.06.26-16.44.30--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Just talked to Billy at B.G. Micro.

They started with over 800 SVeeSix-CM3 receivers
available and are now down to 189.

73 de w9gb

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Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

---

885. [aprssig] Re: How many GPS receivers left?

From: "Jim Scott" <jamesescott@adelphia.net>
Date: Wed, 26 Jun 2002 17:32:18 -0400
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: <tacgps@lists.tapr.org>
Message-ID: <LYR842-86819-2002.06.26-17.09.51--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Has anyone confirmed if these put out NMEA information?
jim
n8orj
----- Original Message -----
From: <gregory.beat@attbi.com>
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: <tacgps@lists.tapr.org>
Sent: Wednesday, June 26, 2002 5:07 PM
Subject: [aprssig] How many GPS receivers left?

```
> Just talked to Billy at B.G. Micro.
>
> They started with over 800 SVeeSix-CM3 receivers
> available and are now down to 189.
>
> 73 de w9gb
>
> ---
> You are currently subscribed to aprssig as: jamesescott@adelphia.net
> To unsubscribe send a blank email to leave-aprssig-842K@lists.tapr.org
> Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org
>

---
You are currently subscribed to aprssig as: lyris.aprssig@tapr.org
To unsubscribe send a blank email to leave-aprssig-842K@lists.tapr.org
Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org
```

---

886. [aprssig] NEMA with SVeeSix-CM3 GPS receiver

From: "Gregory Beat" <gregory.beat@attbi.com>
Date: Wed, 26 Jun 2002 19:45:19 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: <tacgps@lists.tapr.org>
Message-ID: <LYR842-86848-2002.06.26-20.22.50--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

```
The NEMA protocol is supported in this receiver.  Receiver must be
programmed
 with the software from the Trimble web site (ftp).  This is covered in the
PDF link below.

A TTL to Serial Interface must also be built (also in PDF) to access and use
the receiver.

w9gb

----- Original Message -----
From: <gregory.beat@attbi.com>
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: <tacgps@lists.tapr.org>
Sent: Wednesday, June 26, 2002 3:56 PM
Subject: [aprssig] SVeeSix-CM3 GPS receiver


> Thinking about the surplus SVeeSix-CM3 GPS receiver?
>
> Documentation, an interface schematic and Trimble
> software links are provided for the surplus SVeeSix-CM3
> GPS receivers currently available from B.G. Micro.
>
> The document is in Adobe Acrobat format and is useful
> for reading or study before purchase.  Seems to be a
> well written document.
>
> http://www.bgmicro.com/pdf/acs1394.pdf
>
> 73 de w9gb
> Greg
>
> ---
> You are currently subscribed to aprssig as: gregory.beat@attbi.com
> To unsubscribe send a blank email to leave-aprssig-842K@lists.tapr.org
> Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org
>
>



---
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To unsubscribe send a blank email to leave-aprssig-842K@lists.tapr.org
Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org
```

---

887. [aprssig] RE: REgistering PMAP.OCX in WinAPRS

From: Earl Needham <needhame@yucca.net>
Date: Wed, 26 Jun 2002 18:57:55 -0600
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-86851-2002.06.26-20.35.42--lyris.aprssig#tapr.org@lists.tapr.org>

Rendered body type: text/plain

```
At 09:47 PM 6/21/2002 -0600, I wrote:
>At 08:17 AM 6/22/2002 +1000, Andrew Rich wrote:
>>Have you probed your registry to see if there is a need to de-register
>>the .ocx ?
>
>         After THIS much trouble, I think I'm going to format and re-load.

         It's working now!  Thanks for all the suggestions!

         7 3
         Earl


Earl Needham, KD5XB, Clovis, New Mexico  DM84jk
KD5XB-2>APW251,PCSAT-1*:=3425.83N/10313.55W-PHG7150/WinAPRS 2.5.1
-EARL_CLOVIS -251-<630>
Did you get a letter from Nigeria offering a "deal"?  See
http://home.rica.net/alphae/419coal/ and
http://www.crimes-of-persuasion.com/Crimes/Business/nigerian.htm


---
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Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org
```

888. [aprssig] Alinco dr-135tp

From: "Angelo Glorioso III" <n5uxt@cox.net>
Date: Wed, 26 Jun 2002 20:04:59 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-86852-2002.06.26-20.41.39--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

```
Hi Folks,

 I am hoping to find out any information about the Alinco DR-135TP, ETrex
and the pocket APRS.

 I have tried to get this combination to work but have not had any success
as of yet. It seems the Radio will stop sending data after a while to the
palm. Almost like the software flow control is not working correctly.

 I am yet to get the radio to see the Etrex. I even open the cover and
looked at the leds as per the tnc manual and it does not seem to be getting
any data from the Etrex.

 Anyhow, I use both the Palm and the etrex with my d7a and it work
flawlessly.

 Any help with parameters or setting would be appreciated. I also read
somewhere that the tnc's in the Alinco tend to lose their memory. Is there
any truth to this??

 Angelo




---
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To unsubscribe send a blank email to leave-aprssig-842K@lists.tapr.org
Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org
```

889. [aprssig] So Long...

From: Earl Needham <needhame@yucca.net>
Date: Wed, 26 Jun 2002 19:19:00 -0600
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-86858-2002.06.26-20.56.57--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

```
Well, this is going to be a surprise.  I'll be dropping off these lists in
the next week or so.  I'm making a major career change, and I won't be at
home to USE email!  <G>

        But a lot of you will probably see my icon here & there, if you're on APRS...

        7 3
        Earl


Earl Needham, KD5XB, Clovis, New Mexico  DM84jk
KD5XB-2>APW251,PCSAT-1*:=3425.83N/10313.55W-PHG7150/WinAPRS 2.5.1
-EARL_CLOVIS -251-<630>
Did you get a letter from Nigeria offering a "deal"?  See
http://home.rica.net/alphae/419coal/ and
http://www.crimes-of-persuasion.com/Crimes/Business/nigerian.htm



---
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Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org
```

890. [aprssig] smart beacon kenwood sucess!

From: "Wes Johnston" <wes@johnston.net>
Date: Wed, 26 Jun 2002 22:35:55 -0400
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-86863-2002.06.26-22.13.40--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

```
Yay!! first live test tonight.... I got smart beaconing to work on my
kenwood d700!!  Rode around the block and it pegged all the corners!  There
was a delay on one of the corners due to CDMA, but the kenwood was ready to
TX as soon as the channel cleared.

I've bought a 3/32" stereo extension cord for a cellphone from rat shack,
hacked it in two to get a male and female plug to insert in line with the
d700 GPS.  In this way, the Basic stamp and the kenwood both see the GPS
output and the kenwood is still able to upload waypoints to the GPS.  I then
wired one of the basic stamp outputs to pin 3 on the  kenwood so I could
send commands like BCN 0 and PS 1.  I've also included pin 8 on the serial
port of the kenwood as an on off indicator so that in the future I could
power the radio on and off via software.  I have been able to manually
switch it on and off via software, just need to tweek the smart beacon
program to add the timer for it to be fully automatic.

I tried this with pic basic pro on a 16f84 at various clock speeds from 4mhz
to 20mhz with no luck reading the GPS reliably.  Although the pic is
cheaper, PBP's compiler is just not able to produce effecient enough code to
read the continuous stream of data from the GPS.  Perhaps a '876 with a
hardware USART will be in the future version - because it's cheaper than a
stamp.  I have found a company which makes a thru-hole parallax licensed
basic stamp2 for $31 and the stamp2sx for $39 ($20 cheaper than parallax).
http://www.hvwtech.com/stampstack.htm .  Soooo.... you can add smart
beaconing to your kenwood radio for the price of a $31 basic stamp2.  The
interface to the gps and kenwood so far has required one resistor in
addition to the basic stamp 2.

In a few more days I'll tweak some more and post a schematic and source
code.

Wes



---
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Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org
```

891. [aprssig] Re: smart beacon kenwood sucess!

From: "Jason Rausch" <ke4nyv@msn.com>
Date: Wed, 26 Jun 2002 22:3:13
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-86866-2002.06.26-22.40.43--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

```
Sounds awsome Wes, would you mind sending me a copy of the code to study?
I would like to see how you are doing that.  I'll try to port to the 16F84
and see if maybe I can help you with that.
73's
Jason KE4NYV
www.ke4nyv.com

---
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---

892. [aprssig] Re: smart beacon kenwood sucess!

From: Larry Keeran <lmkeeran@gte.net>
Date: Thu, 27 Jun 2002 08:39:31 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-86902-2002.06.27-09.17.03--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

```
I have the D700 connected to the Garmin /// plus. I don't see any
abbreviated calls on the screen now.  What setting on the combination
is necessary to see the waypoints on the Garmin /// plus?

Wes said:

>"the kenwood is still able to upload waypoints to the GPS."

--
Larry M. Keeran K9ORP  EC -  NWS ILX APRS Coord  - k9orp@tapr.org
Pres. Chap.59 QCWA-Life ARRL-TAPR-MacAPRS-WinAPRS-APRS+SA-PalmAPRS

---
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Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org
```

---

893. [aprssig] Re: smart beacon kenwood sucess!

From: wes@johnston.net
Date: Thu, 27 Jun 2002 06:54:22 -0700 (PDT)
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: aprssig@tapr.org
Message-ID: <LYR842-86903-2002.06.27-09.31.58--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

```
You need to select NMEA 6 under the APRS / GPS WAYPOINT menu.  The gps I use is
a garmin 162 and it allows me to display the entire callsign (9 characters),
but yours will let you show only the last 6 letters in the callsign.  For
example, kd4rdb-14 would show on your GPS screen as RDB-14 .  Also, make sure
your GPS comm port is set to NMEA in/out.

Wes


On Thu, 27 June 2002, Larry Keeran wrote

>
> I have the D700 connected to the Garmin /// plus. I don't see any
> abbreviated calls on the screen now.  What setting on the combination
> is necessary to see the waypoints on the Garmin /// plus?
>
> Wes said:
>
> >"the kenwood is still able to upload waypoints to the GPS."
>
> --
> Larry M. Keeran K9ORP  EC -  NWS ILX APRS Coord  - k9orp@tapr.org
> Pres. Chap.59 QCWA-Life ARRL-TAPR-MacAPRS-WinAPRS-APRS+SA-PalmAPRS

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```

---

894. [aprssig] Re: Web page updated

From: "The Hildebrands" <b.hildebrand@verizon.net>
Date: Thu, 27 Jun 2002 07:06:37 -0700
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-86904-2002.06.27-09.44.07--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

```
http://kh2z.lynxstudio.com
New addition.  In calculating Near stations, you can in addition to entering a callsign, enter a
Latitude/Longitude, or a Grid Square.
So enter either a Callsign, Lat/Long, or Grid Square, select the appropriate radio button, then click
the Near button.  When entering Lat/Long,  first enter the Latitude,  then a "/" without quotes, then
the Longitude.  The program recognizes a number of different Lat/Long representations, in either Decimal
 Degrees,  Degrees, Decimal Minutes, or Degrees, Minutes, Decimal Seconds.  You can either use a "S" or
"-" for South Latitude, and "W" or "-" for West Longitude.  The following are all the same:
N34 2.389 / W117 14.465
```

34.03981 / -117.2410833
34.03981 / W117.2410833
For the Grid Square at the same location:
DM14JA
or DM14JA19BN

Brent KH2Z

----- Original Message -----
Sent: Monday, June 24, 2002 2:19 PM
Subject: [aprssig] Web page updated

Updated web server showing position, status and callsign. See http://kh2z.lynxstudio.com. Callsign entry for find "Near" stations requires the exact callsign and is case dependant. If you are looking for WB4APR-9, don't enter wb4apr-9.   Data and Map calculations are not case dependant, and a partial match will be returned. You can enter multiple callsigns, separated by either a comma or a space if desired. This is just a little experiment and the web page may disappear or change at any moment. Feedback would be appreciated. Brent KH2Z

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895. [aprssig] Satellite Usage (spin-off of Re: APRS in Key West?)

From: Ralph Milnes <milnes1@rcn.com>
Date: Thu, 27 Jun 2002 10:03:38 -0400
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-86905-2002.06.27-09.47.26--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Bob wrote:
>Not only yes, but APRS exsits everywhere on the planet at least 12 times a
>day for a few minutes as either PCsat or the ISS comes over. A friend is
>using his D7 and a full size whip to send Email while he is offshore on
>his sailboat..

I've always viewed the birds only as "for fun" or "last resort" as they relate to APRS. Earthbound digis should be the preferred way to go, I would think -- if they exist, they're better.

A guy on a bike and probably most drivers/pilots are going to want to set their path and their frequencies and leave them. They're not going to want to fool around with changing them while driving. Plus they're hoping for better coverage than 12 times a few minutes per day. For the guy on his boat without much chance of hitting a digi, the birds make more sense; or for a guy on a bike who is now in the Alaskan wilderness.

I'm assuming Bob is advocating the birds for the latter situation... not for normal running and not for switching back and forth (land/satellite) -- who would you know when a *working* bird is overhead? (OK, OK -- I know the converse argument is how do you know when your land-based digi coverage has stopped?)

I'm mostly playing devil's advocate here -- hoping to get a appraisal for someone new to APRS wondering what's realistic as far as travelling and satellite operations. What would you do? :-)

73,

Ralph KC2RLM

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896. [aprssig] Re: Web page updated

From: "The Hildebrands" <b.hildebrand@verizon.net>
Date: Thu, 27 Jun 2002 07:20:17 -0700
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>

Message-ID: <LYR842-86906-2002.06.27-09.57.47--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Note - Grid and Lat/Long entries only work with the "Near" button at this time.

----- Original Message -----
From: "The Hildebrands" <b.hildebrand@verizon.net>
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Sent: Thursday, June 27, 2002 7:06 AM
Subject: [aprssig] Re: Web page updated

http://kh2z.lynxstudio.com
New addition. In calculating Near stations, you can in addition to entering a callsign, enter a Latitude/Longitude, or a Grid Square.
So enter either a Callsign, Lat/Long, or Grid Square, select the appropriate radio button, then click the Near button. When entering Lat/Long, first enter the Latitude, then a "/" without quotes, then the Longitude. The program recognizes a number of different Lat/Long representations, in either Decimal Degrees, Degrees, Decimal Minutes, or Degrees, Minutes, Decimal Seconds. You can either use a "S" or "-" for South Latitude, and "W" or "-" for West Longitude. The following are all the same:
N34 2.389 / W117 14.465
34.03981 / -117.2410833
34.03981 / W117.2410833
For the Grid Square at the same location:
DM14JA
or DM14JA19BN

Brent KH2Z

----- Original Message -----
Sent: Monday, June 24, 2002 2:19 PM
Subject: [aprssig] Web page updated

Updated web server showing position, status and callsign. See http://kh2z.lynxstudio.com. Callsign entry for find "Near" stations requires the exact callsign and is case dependant. If you are looking for WB4APR-9, don't enter wb4apr-9. Data and Map calculations are not case dependant, and a partial match will be returned. You can enter multiple callsigns, separated by either a comma or a space if desired. This is just a little experiment and the web page may disappear or change at any moment. Feedback would be appreciated. Brent KH2Z

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897. [aprssig] Re: Satellite Usage (spin-off of Re: APRS in Key West?)

From: Bob Bruninga <bruninga@usna.edu>
Date: Thu, 27 Jun 2002 10:48:21 -0400 (EDT)
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: TAPR APRS Special Interest Group <aprssig@lists.tapr.org>
Message-ID: <LYR842-86909-2002.06.27-10.25.56--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

On Thu, 27 Jun 2002, Ralph Milnes wrote:

> Bob wrote:
> > Not only yes, but APRS exsits everywhere on the planet at least 12
> > times a day for a few minutes as either PCsat or the ISS comes over.
>
> I'm assuming Bob is advocating the birds for the latter situation... not
> for normal running and not for switching back and forth (land/satellite) --
> [How] would you know when a *working* bird is overhead?

Easy, if you are in range of 144.39, and someone is running APRSdata in your state, then your APRS system (or kenwood radio) will display an OBJECT of any satellite currently in view. Or go to the DX list and see the schedule for the next 80 minutes.

See http://www.ew.usna.edu/~bruninga/satinfo.html

But when you are not in the terrestrial system:

PCsat comes over about the same time every day and you will get 2 or 3 passes during one period and then 2 or 3 more at a different time depending on your Latitude. But the neat thing is that for your current location, once you hear a pass, PCsat will come over exactly 30 minutes earlier every day, plus ADD 100 miuntes every week. ANd since you can hear it when it does, just leave your radio on that freq so you will be aware of the timing...

So, it is easy to do, and only for fun if you already have 144.39 coverage, but is the only way to get out if you dont... assuming y ou dont have HF either... I will post the currrent approximate pass times in the next message...

de WB4APR, Bob

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898. [aprssig] Re: Satellite Usage (spin-off of Re: APRS in Key West?)

From: "Gregg G. Wonderly" <gregg@skymaster.c2-tech.com>
Date: Thu, 27 Jun 2002 09:55:47 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: TAPR APRS Special Interest Group <aprssig@lists.tapr.org>
Message-ID: <LYR842-86912-2002.06.27-10.33.21--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

>I'm assuming Bob is advocating the birds for the latter situation... not
>for normal running and not for switching back and forth (land/satellite) --
>who would you know when a *working* bird is overhead?

I have a server at work that sucks pages off of heavens-above.com and sends me text messages on my cell phone with the information about PCSAT and ISS passes. It sends them the hour before they occur and the of the pass. This is good for working the birds on their next pass, but not good for planning, ahead of time, when to work the birds. And, if I have no cell coverage, I get no messages...

-----
gregg@c2-tech.com (C2 Technologies Inc)

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899. [aprssig] Combining APRSdata with aprsd

From: "Chris Devine" <vistaeng@alltel.net>
Date: Thu, 27 Jun 2002 10:23:42
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-86917-2002.06.27-11.01.13--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Hello,

Has anybody combined (or connected)the services of APRDdata into aprsd, using one radio/tnc?

TIA & 73
Chris KK5XF

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900. [aprssig] RE: SVeeSix-CM3 GPS receiver

From: LAIRD STANTON <LAIRD_STANTON@alexandria-emh1.army.mil>
Date: Thu, 27 Jun 2002 11:48:13 -0400
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: tacgps@lists.tapr.org
Message-ID: <LYR842-86920-2002.06.27-11.19.32--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Is this a good match for the TT2???

-----Original Message-----
From: gregory.beat@attbi.com@AMC
Sent: Wednesday, June 26, 2002 1:57 PM
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: tacgps@lists.tapr.org
Subject: [aprssig] SVeeSix-CM3 GPS receiver

(Embedded image moved to file: pic28270.pcx)
Thinking about the surplus SVeeSix-CM3 GPS receiver?

Documentation, an interface schematic and Trimble software links are provided for the surplus SVeeSix-CM3 GPS receivers currently available from B.G. Micro.

The document is in Adobe Acrobat format and is useful for reading or study before purchase. Seems to be a well written document.

http://www.bgmicro.com/pdf/acs1394.pdf

73 de w9gb
Greg

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wa1lou@tapr.org
[Attachment: pic28270.pcx; application/octet-stream; 2,707 bytes]

901. [aprssig] Sat passes and sat utility

From: John Kraus <jfkraus3@cox.net>
Date: Thu, 27 Jun 2002 11:46:04 -0400
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-86922-2002.06.27-11.23.20--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

I have often thought of using this system while solo canoeing on week or multi-week long trips. When I do this I plan to print a list of pass times for whatever Sats are available. With a list of pass times I just turn on the system 10 minutes before the pass. I hope to do some more canoeing after I get out of school in a year. Summer is not a fun time to canoe the Okefenokee swamp. To get a printout of the upcoming sat passes is child's play for most satellite tracking programs. I usually pull one from STSPlus once a week and print it.

For sats that only decay very slowly like PCSAT it works great. For sats that can maneuver it is less precise but can still work if you keep the KEPS updated. I see no reason that ISS and future APRS sats can't provide a "set and forget route" into the APRS Internet system for travelers. The key is to use a common frequency and path. However the need to avoid the sats hearing each other could be a problem but callsign substitution could handle this.

Two or three sats could provide long distance travelers the ability to update their position within a few hours resolution that can be refined when they reach populated areas by switching to terrestrial digis. This is simplicity itself in the Alinco or any tracker that uses a programmable radio. Just change channels to the correct frequency.

Obviously these clones should build on the lessons of PCSAT and try to shoot for more battery capacity and better solar panels to avoid some of the problems. PCSAT has more than amply demonstrated the concept now it is time for the APRS and AMSATcommunities to get this done. I personally would like to several clones of PCSAT built and launched by AMSAT as soon as practical. This would be more than enough to convince me to join AMSAT.

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902. [aprssig] Satellite visibillities

From: Bob Bruninga <bruninga@usna.edu>
Date: Thu, 27 Jun 2002 11:52:26 -0400 (EDT)
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: TAPR APRS SIG <aprssig@lists.tapr.org>
Message-ID: <LYR842-86923-2002.06.27-11.30.16--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Mobile Satellite Pass Periods for the week of 06-27-2002

```
Sats 06 07 08 09 10 11 12 13 14 15 16 17 18 19 20 21 22 23 00 01 02 03
---- -- -- -- -- -- -- -- -- -- -- -- -- -- -- -- -- -- -- -- -- -- --
AO27    **********                      ***********
UO14      ***********                      ***********
SO41   *************  *          *************
ISS  *************************** **
UO22 ******                      ***********
PCSAT                       **************            * ************
AO-7    ********* ** **                 ********** **
Note:  LOCAL Daylight-Savings SUN TIME for MID Northern Latitudes.
```

AO27, UO14, UO22, and AO-7 are sunsynchronus and their times dont change
PCsat comes over 30 minutes earlier every day (but add 100 mins each week)

```
SOUTHERN Hemisphere pass times:
Sats 06 07 08 09 10 11 12 13 14 15 16 17 18 19 20 21 22 23 00 01 02 03
---- -- -- -- -- -- -- -- -- -- -- -- -- -- -- -- -- -- -- -- -- -- --
AO27 **********                            ***********
UO14    **********                            ***********
SO41 ****  *                                ************
ISS                                  *  **************** ********** **
UO22 **                             ***********
PCSAT**             ************ *                              ******
AO-7 ** **********                          ** ********** **
Note:  Times are LOCAL SUN STANDARD TIME for MID Southern Latitudes.
```

de WB4APR@amsat.org, Bob

PCsat WEB page	http://www.ew.usna.edu/~bruninga/pcsat.html
ISS-APRS FAQ:	http://www.ew.usna.edu/~bruninga/iss-faq.html
CUBESAT Designs	http://www.ew.usna.edu/~bruninga/cubesat.html
APRS LIVE pages	http://www.ew.usna.edu/~bruninga/aprs.html
APRS SATELLITES	http://www.ew.usna.edu/~bruninga/astars.html
MIM/Mic-E/Mic-Lite	http://www.toad.net/~wclement/bruninga/mic-lite.html

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903. [aprssig] Re: Sat passes and sat utility

From: "Eric Christensen, KF4OTN" <kf4otn@cox.net>
Date: Thu, 27 Jun 2002 13:00:03 -0400
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-86927-2002.06.27-12.37.37--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

I think it would be neat to have another APRS satellite that is geosyncronous (sorry for the spelling) that would hover over North America and near-by waters. This would give better SATCOM coverage here in the USA. Of course getting a few of these birds up there that would cover Europe and South America and Africa along with the waters in between would be really neat! Talk about a worldwide APRS coverage area 24/7!

Eric KF4OTN

----- Original Message -----
From: "John Kraus" <jfkraus3@cox.net>
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Sent: Thursday, June 27, 2002 11:46
Subject: [aprssig] Sat passes and sat utility

I have often thought of using this system while solo canoeing on week
or
multi-week long trips. When I do this I plan to print a list of pass
times
for whatever Sats are available. With a list of pass times I just
turn on
the system 10 minutes before the pass. I hope to do some more
canoeing
after I get out of school in a year. Summer is not a fun time to
canoe the
Okefenokee swamp. To get a printout of the upcoming sat passes is
child's
play for most satellite tracking programs. I usually pull one from
STSPlus
once a week and print it.

For sats that only decay very slowly like PCSAT it works great. For
sats
that can maneuver it is less precise but can still work if you keep
the
KEPS updated. I see no reason that ISS and future APRS sats can't
provide
a "set and forget route" into the APRS Internet system for travelers.
The
key is to use a common frequency and path. However the need to avoid
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handle this.

Two or three sats could provide long distance travelers the ability
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when they reach populated areas by switching to terrestrial digis.
This is
simplicity itself in the Alinco or any tracker that uses a
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radio. Just change channels to the correct frequency.

Obviously these clones should build on the lessons of PCSAT and try
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would
like to several clones of PCSAT built and launched by AMSAT as soon
as
practical. This would be more than enough to convince me to join
AMSAT.

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Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

904. [aprssig] Re: Sat passes and sat utility

From: Bob Bruninga <bruninga@usna.edu>
Date: Thu, 27 Jun 2002 13:24:28 -0400 (EDT)
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: TAPR APRS Special Interest Group <aprssig@lists.tapr.org>
Message-ID: <LYR842-86928-2002.06.27-13.02.01--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

On Thu, 27 Jun 2002, Eric Christensen, KF4OTN wrote:

> I think it would be neat to have another APRS satellite that is
> geosyncronous (sorry for the spelling) that would hover over North
> America and near-by waters. This would give better SATCOM coverage
> here in the USA.

Actually, we had a launch and a design for one. But one week before
integration, we got scrubbed due to State Department Bureaucracy.

The neat thing about its design is that it would have accepted USER
uplinks from the USA on 144.39! So people in North america that wanted to
be tracked either terrestrially or via satellite did not have to make ANY
changes... except for one....

Since the satellite would be at 22,000 miles up instead of 500, it would
take LOTS more power to hit it. But a mobile with a 19" whip would have
made it with a 170W amp....

Design: http://www.ew.usna.edu/~bruninga/natsat.html

de WB4APR, Bob

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Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

905. [aprssig] Re: Sat passes and sat utility

From: "Eric Christensen, KF4OTN" <kf4otn@cox.net>
Date: Thu, 27 Jun 2002 13:32:21 -0400
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-86929-2002.06.27-13.09.56--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

That would be awesome... Any possibility of piggy-backing it on
another payload? Or maybe within another bird?

Is anything on the bird for 9600???

Eric KF4OTN

----- Original Message -----
From: "Bob Bruninga" <bruninga@usna.edu>
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Sent: Thursday, June 27, 2002 13:24
Subject: [aprssig] Re: Sat passes and sat utility

On Thu, 27 Jun 2002, Eric Christensen, KF4OTN wrote:

> I think it would be neat to have another APRS satellite that is
> geosyncronous (sorry for the spelling) that would hover over North
> America and near-by waters. This would give better SATCOM coverage
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Actually, we had a launch and a design for one. But one week before
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The neat thing about its design is that it would have accepted USER
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Since the satellite would be at 22,000 miles up instead of 500, it
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take LOTS more power to hit it. But a mobile with a 19" whip would
have
made it with a 170W amp....

Design: http://www.ew.usna.edu/~bruninga/natsat.html

de WB4APR, Bob

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Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

906. [aprssig] Re: Sat passes and sat utility

From: "Curt Mills, WE7U" <hacker@tc.fluke.com>
Date: Thu, 27 Jun 2002 10:59:12 -0700 (PDT)
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: TAPR APRS Special Interest Group <aprssig@lists.tapr.org>
Message-ID: <LYR842-86931-2002.06.27-13.36.46--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

On Thu, 27 Jun 2002, Bob Bruninga wrote:

> On Thu, 27 Jun 2002, Eric Christensen, KF4OTN wrote:
>
> > I think it would be neat to have another APRS satellite that is
> > geosyncronous (sorry for the spelling) that would hover over North
> > America and near-by waters. This would give better SATCOM coverage
> > here in the USA.

One minor point here: It would have to be a geostationary satellite
(over the equator) to be able to stay over one spot on the earth.
The mini-dishes and BUD (bug ugly dishes) that people use for
satellite TV are pointed at geostationary sats. That way the
antennas don't have to move, once set. These sats are WAAAYY up
there, making the path loss considerable.

Geosynchronous sats are much lower altitude sats that whiz by like
the GPS sats (11 hours 55 mins per orbit still for GPS?). GPS sats
are in three different 55 degree inclined orbits if I remember
correctly, and each pass occurs over a different path as the earth
rotates underneath them.

> Since the satellite would be at 22,000 miles up instead of 500, it would
> take LOTS more power to hit it. But a mobile with a 19" whip would have
> made it with a 170W amp....

Well, since we would know the position of the satellite (as long as
there was enough station-keeping fuel left) and we know the position
and the course for our vehicles, I can imagine people running
computer-controlled beams that would remain pointed at the satellite
as you drove along, thereby reducing the power requirements needed
to hit it considerably.

Curt Mills, WE7U   hacker.NO_*SPAM@tc.fluke.com
Senior Methods Engineer/SysAdmin
"Lotto: A tax on people who are bad at math." -- unknown
"Windows: Microsoft's tax on computer illiterates." -- WE7U

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Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

907. [aprssig] Sat passes and sat utility

From: John Kraus <jfkraus2@cox.net>
Date: Thu, 27 Jun 2002 14:05:41 -0400
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-86934-2002.06.27-13.42.46--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

I respectfully disagree with the idea of a geosynchronous satellite for the simple reason that it requires far to much power for remote users. The battery pack to run a 150-170 watt radio or brick or an antenna with equivalent gain is not realistic for back country use. Bob implied this in his response.

Low Earth Orbit satellites are the key to increasing both utility (read usability) of ham sats. By reducing the cost to participate the user base will increase as well as potential membership in AMSAT. This is the mistake that was made with P3D. Satellite based APRS is a prime application for LEO sats for all the reasons Bob has expounded on over and over on this SIG readily available equipment low path loss at VHF no Dopplar correction small light antennas.

The fact that the satellite is only in view for brief periods is a workable problem and far outweighs the benefits of high orbit for mobiles and back country users. The solution as I alluded to in my last post is more small CHEAP Sats not more big expensive ones.

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908. [aprssig] Re: Sat passes and sat utility

From: Phil Reed <preed@dnaco.net>
Date: Thu, 27 Jun 2002 14:15:58 -0400
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: TAPR APRS Special Interest Group <aprssig@lists.tapr.org>
Message-ID: <LYR842-86936-2002.06.27-13.59.40--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

At 10:59 AM 6/27/2002 -0700, Curt Mills, WE7U wrote:

>Well, since we would know the position of the satellite (as long as
>there was enough station-keeping fuel left) and we know the position
>and the course for our vehicles, I can imagine people running
>computer-controlled beams that would remain pointed at the satellite
>as you drove along, thereby reducing the power requirements needed
>to hit it considerably.

But the cost would rise dramatically, as would complexity. A power amp would be way cheaper to install and maintain.

...phil / w8sca

"For a list of all the ways technology has failed
to improve the quality of life, press 3."

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909. [aprssig] Re: Sat passes and sat utility

From: Earl Needham <needhame@yucca.net>
Date: Thu, 27 Jun 2002 12:22:28 -0600
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-86937-2002.06.27-14.02.01--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

At 02:05 PM 6/27/2002 -0400, John Kraus wrote:
>I respectfully disagree with the idea of a geosynchronous satellite for the
>simple reason that it requires far to much power for remote users. The
>battery pack to run a 150-170 watt radio or brick or an antenna with
>equivalent gain is not realistic for back country use. Bob implied this in
>his response.
>
>Low Earth Orbit satellites are the key to increasing both utility (read
>usability) of ham sats.

Does it have to be exclusively one or the other? When PCSAT finally goes silent, won't we still have ISS? And others? Adding a geostationary APRS satellite would be a tremendous addition to what's already up there.

        7 3
        Earl

Earl Needham, KD5XB, Clovis, New Mexico DM84jk
KD5XB-2>APW251,PCSAT-1*:=3425.83N/10313.55W-PHG7150/WinAPRS 2.5.1
-EARL_CLOVIS -251-<630>
Did you get a letter from Nigeria offering a "deal"? See
http://home.rica.net/alphae/419coal/ and
http://www.crimes-of-persuasion.com/Crimes/Business/nigerian.htm

---
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910. [aprssig] Re: Sat passes and sat utility

From: "Curt Mills, WE7U" <hacker@tc.fluke.com>
Date: Thu, 27 Jun 2002 11:32:31 -0700 (PDT)
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: TAPR APRS Special Interest Group <aprssig@lists.tapr.org>
Message-ID: <LYR842-86938-2002.06.27-14.10.04--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

On Thu, 27 Jun 2002, Phil Reed wrote:

> >Well, since we would know the position of the satellite (as long as
> >there was enough station-keeping fuel left) and we know the position
> >and the course for our vehicles, I can imagine people running
> >computer-controlled beams that would remain pointed at the satellite
> >as you drove along, thereby reducing the power requirements needed
> >to hit it considerably.
>
> But the cost would rise dramatically, as would complexity. A power amp
> would be way cheaper to install and maintain.

I never said it was practical! Some things just have to be done once
because they're cool projects. Ok, cool in a geeky sort of way. ;-)

Points well taken though.

Curt Mills, WE7U   hacker.NO_*SPAM@tc.fluke.com
Senior Methods Engineer/SysAdmin
"Lotto: A tax on people who are bad at math." -- unknown
"Windows: Microsoft's tax on computer illiterates." -- WE7U

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911. [aprssig] Re: Sat passes and sat utility

From: "Eric Christensen, KF4OTN" <kf4otn@cox.net>
Date: Thu, 27 Jun 2002 14:34:08 -0400
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-86939-2002.06.27-14.11.43--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Maybe the answer would be to put up more LEO satellites. This would
increase the amount of time available to the SATCOM community. Of
course this would be LOTS more money...

Eric KF4OTN

----- Original Message -----
From: "John Kraus" <jfkraus2@cox.net>
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Sent: Thursday, June 27, 2002 14:05
Subject: [aprssig] Sat passes and sat utility

I respectfully disagree with the idea of a geosynchronous satellite
for the
simple reason that it requires far to much power for remote users.
The

battery pack to run a 150-170 watt radio or brick or an antenna with
equivalent gain is not realistic for back country use. Bob implied
this in
his response.

Low Earth Orbit satellites are the key to increasing both utility
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usability) of ham sats. By reducing the cost to participate the user
base
will increase as well as potential membership in AMSAT. This is the
mistake that was made with P3D. Satellite based APRS is a prime
application for LEO sats for all the reasons Bob has expounded on
over and
over on this SIG readily available equipment low path loss at VHF no
Dopplar correction small light antennas.

The fact that the satellite is only in view for brief periods is a
workable
problem and far outweighs the benefits of high orbit for mobiles and
back
country users. The solution as I alluded to in my last post is more
small
CHEAP Sats not more big expensive ones.

---
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912. [aprssig] Kantroincs DIgipeaters

From: Bob Bruninga <bruninga@usna.edu>
Date: Thu, 27 Jun 2002 14:53:01 -0400 (EDT)
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: aprsspec@lists.tapr.org
Message-ID: <LYR842-86941-2002.06.27-14.30.42--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

I just programmed a KPC-3 for WIDEn-N and realize that we should be using
the TOCALL to identify the software version using the APNxxx version
numbers.. something like APNK83 to show a "Node" using a Kantronics
version 8.3 ROM. Put APNK83 in the UNPROTO and in the LTPATH commands.

I wouild suggest:

  APNK83 for a KPC-3 version 8.3
  APNP83 for a KPC-3PLUS version 8.3
  APN983 for a KPC-9612 or KPC-9612PLUS

Just a thought.
Bob

---
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913. [aprssig] Satellite costs

From: John Kraus <jfkraus3@cox.net>
Date: Thu, 27 Jun 2002 15:14:16 -0400
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-86945-2002.06.27-14.51.18--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

I am not sure that several LEO sats would cost more than one P3D type of
sat. I am also under the impression that high orbit has much higher launch

cost in addition to the satellite cost.

Anyone know how much AMSAT spent on P3D?

I would also love to know an approximate cost for PCSAT, both the original, and an estimate of what it would cost to build a new and improved one. How about it Bob is this information available? Until this information is available no cost/benefit ratio can be calculated. However I suspect that such a ratio would be heavily skewed in favor of the LEO.

I am not a satellite guru simply due to the expense in knowledge, time and money required to work the rich man's toys.

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Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

914. [aprssig] Re: Kantroincs DIgipeaters

From: "Ronald Reams" <wa4mjf@worldnet.att.net>
Date: Thu, 27 Jun 2002 15:21:53 -0400
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: <aprsspec@lists.tapr.org>
Message-ID: <LYR842-86946-2002.06.27-14.59.41--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

I don't think there is a Ver 8.x in the KPC-3.
The 8.x are for the KPC-3Plus.

73 de Ronnie

----- Original Message -----
From: "Bob Bruninga" <bruninga@usna.edu>
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: <aprsspec@lists.tapr.org>
Sent: Thursday, June 27, 2002 14:53
Subject: [aprssig] Kantroincs DIgipeaters

I just programmed a KPC-3 for WIDEn-N and realize that we should be using the TOCALL to identify the software version using the APNxxx version numbers.. something like APNK83 to show a "Node" using a Kantronics version 8.3 ROM. Put APNK83 in the UNPROTO and in the LTPATH commands.

I wouild suggest:

APNK83 for a KPC-3 version 8.3
APNP83 for a KPC-3PLUS version 8.3
APN983 for a KPC-9612 or KPC-9612PLUS

Just a thought.
Bob

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915. [aprssig] Re: Kantroincs DIgipeaters

From: Paul Womble <pwomble1@tampabay.rr.com>
Date: Thu, 27 Jun 2002 15:40:50 -0400
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-86951-2002.06.27-15.19.36--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Version 8.2 works in the KPC-3.

I'm running that at home.

Paul K4FB

Ronald Reams wrote:

> I don't think there is a Ver 8.x in the KPC-3.
> The 8.x are for the KPC-3Plus.
>
>

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---

916. [aprssig] Kantronics Digipeaters

From: Bob Bruninga <bruninga@usna.edu>
Date: Thu, 27 Jun 2002 16:40:53 -0400 (EDT)
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: TAPR APRS SIG <aprssig@lists.tapr.org>
Message-ID: <LYR842-86956-2002.06.27-16.18.29--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

On Thu, 27 Jun 2002, Bob Bruninga wrote:

> We should be using the TOCALL to identify DIGI software version
> numbers... I would suggest:
>
>   APNK83 for a KPC-3 version 8.3
>   APNP83 for a KPC-3PLUS version 8.3
>   APN983 for a KPC-9612 or KPC-9612PLUS

OOps...BAD IDEA. The P should be used for PACCOMM roms. SO here is what I have now penciled into the list of version numbers...

```
   APN383 for a KPC-3 or KPC-3PLUS version 8.3
   APN983 for a KPC-9612 or KPC-9612PLUS
   APNP50 for a Paccomm version 5.0 etc
   APNMxx for MFJ, etc
```

Bob

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---

917. [aprssig] Re: Kantroincs DIgipeaters

From: Dale Blanchard <wa7ixk@earthlink.net>
Date: Thu, 27 Jun 2002 14:05:34 -0700
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: TAPR APRS Special Interest Group <aprssig@lists.tapr.org>,
        aprsspec@lists.tapr.org
Message-ID: <LYR842-86962-2002.06.27-16.43.20--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Mine is a KPC-3Plus and it has v 8.2.

Ronald Reams wrote:

> I don't think there is a Ver 8.x in the KPC-3.
> The 8.x are for the KPC-3Plus.
>
> 73 de Ronnie
>
>
>
> ----- Original Message -----
> From: "Bob Bruninga" <bruninga@usna.edu>
> To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
> Cc: <aprsspec@lists.tapr.org>
> Sent: Thursday, June 27, 2002 14:53
> Subject: [aprssig] Kantroincs DIgipeaters
>
>
> I just programmed a KPC-3 for WIDEn-N and realize that we should be using
> the TOCALL to identify the software version using the APNxxx version

```
> numbers.. something like APNK83 to show a "Node" using a Kantronics
> version 8.3 ROM.  Put APNK83 in the UNPROTO and in the LTPATH commands.
>
> I wouild suggest:
>
>   APNK83 for a KPC-3 version 8.3
>   APNP83 for a KPC-3PLUS version 8.3
>   APN983 for a KPC-9612 or KPC-9612PLUS
>
> Just a thought.
> Bob
>
>
>
>
>
>
>
> ---
> You are currently subscribed to aprssig as: WA7ixk@earthlink.net
> To unsubscribe send a blank email to leave-aprssig-842K@lists.tapr.org
> Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org
>
>
>
>



---
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Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org
```

918. [aprssig] Re: Kantroincs DIgipeaters

From: "Ronald Reams" <wa4mjf@worldnet.att.net>
Date: Thu, 27 Jun 2002 17:11:46 -0400
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: "APRS Sig" <aprssig@lists.tapr.org>
Message-ID: <LYR842-86966-2002.06.27-16.49.29--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

```
Yep, the key bein' the plus at the end.

73 de Ronnie


----- Original Message -----
From: "Dale Blanchard" <wa7ixk@earthlink.net>
To: "Ronald Reams" <wa4mjf@worldnet.att.net>
Cc: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>;
<aprsspec@lists.tapr.org>
Sent: Thursday, June 27, 2002 17:05
Subject: Re: [aprssig] Re: Kantroincs DIgipeaters


Mine is a KPC-3Plus and it has v 8.2.

Ronald Reams wrote:

> I don't think there is a Ver 8.x in the KPC-3.
> The 8.x are for the KPC-3Plus.
>
> 73 de Ronnie


---
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Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org
```

919. [aprssig] Re: Kantroincs DIgipeaters

From: "Ronald Reams" <wa4mjf@worldnet.att.net>
Date: Thu, 27 Jun 2002 17:16:16 -0400
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: "APRS Sig" <aprssig@lists.tapr.org>
Message-ID: <LYR842-86967-2002.06.27-16.53.53--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

I guess, Fred, that could be right. Our club has many KPC-3
and KPC-3Plus. I guess I just don't remember gettin'
any KPC-3s with the Ver 8.x in them. I've gotten
KPC-3Plus with 8.2 and later 8.3. Same-same with
KAMPlus that we use for Gates.

Now I order them with K-Net-8.0 in them. Retrofitted
the KPC-3s with K-net 6.0

73 de Ronnie

----- Original Message -----
From: "fred houghton" <ve7ffk@mail.ocis.net>
To: "Ronald Reams" <wa4mjf@worldnet.att.net>
Sent: Thursday, June 27, 2002 16:20
Subject: Re: [aprssig] Re: Kantroincs DIgipeaters

Hi Ron:
The last Chip for the KPC-3 was 8.2
The KPC-3+ started at 8.3.
Cheers - Fred - VE7FFK

----- Original Message -----
From: "Ronald Reams" <wa4mjf@worldnet.att.net>
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: <aprsspec@lists.tapr.org>
Sent: Thursday, June 27, 2002 12:21 PM
Subject: [aprssig] Re: Kantroincs DIgipeaters

> I don't think there is a Ver 8.x in the KPC-3.
> The 8.x are for the KPC-3Plus.
>
> 73 de Ronnie
>

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920. [aprssig] Kantronics digi's

From: John Kraus <jfkraus3@cox.net>
Date: Thu, 27 Jun 2002 17:27:19 -0400
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-86969-2002.06.27-17.04.23--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

If I am reading this right the latest firmware is

KPC-3 8.2
KPC-3+ 8.3

Here is my source:

http://www.kantronics.com/access.htm

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921. [aprssig] Re: Kantronics digi's

From: "Ronald Reams" <wa4mjf@worldnet.att.net>
Date: Thu, 27 Jun 2002 17:35:44 -0400
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-86971-2002.06.27-17.13.24--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Well, it is possible that we got some KPC-3s with Ver 8.2
in them. I just don't remember. Remember gettin'
8.2 in some Plus models. But hey we've been usin'

them for years and 20 some odd of them, so I coulda
gotten one with 8.2 in it durin' the transition from KPC-3
to KPC-3Plus.

Matters not anymore, 'cause all have been fitted with
K-Net 6.0 or K-Net 8.0.

73 de Ronnie

PS Glad I said "I think" :-)

----- Original Message -----
From: "John Kraus" <jfkraus3@cox.net>
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Sent: Thursday, June 27, 2002 17:27
Subject: [aprssig] Kantronics digi's

If I am reading this right the latest firmware is

KPC-3   8.2
KPC-3+ 8.3

Here is my source:

http://www.kantronics.com/access.htm

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---

922. [aprssig] Re: PCsat Load test

From: Bob Bruninga <bruninga@usna.edu>
Date: Thu, 27 Jun 2002 17:43:38 -0400 (EDT)
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: amsat-bb@amsat.org
Message-ID: <LYR842-86973-2002.06.27-17.21.13--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

> Since we blew it for fieldday (low bats), PCsat has just never gotten a
> full user load to prove its ability to support hundreds of users per
> pass.   Before it goes back into maximum ecllipses, I would like to
> load it with as MANY different users as we can. Target is THURSDAY....

ARGH! We were one day too late. PCsat was back into 29% eclipses today,
and it reset and we didnt catch it in time so the batteries are too low to
keep it programmed. The first pass of the test, I got her into low power,
but too much risk to try to load everything else. Batteries were already
too low. SO the only digipeating callsign that would work today was via
W3ADO-1.

I saw 13 different calls today and a handful of new calls lastnight..
There were probably many others using the suggested RELAY and WIDE
aliases, but PCsat didnt recognize them because it reset during
eclipse.... Sorry. Use W3ADO-1 as the only thing that can be supported at
this time...

Bob, Wb4APR

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---

923. [aprssig] Re: Satellite costs

From: Bob Bruninga <bruninga@usna.edu>
Date: Thu, 27 Jun 2002 17:57:00 -0400 (EDT)
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: TAPR APRS Special Interest Group <aprssig@lists.tapr.org>
Message-ID: <LYR842-86979-2002.06.27-17.34.40--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

On Thu, 27 Jun 2002, John Kraus wrote:

> I would also love to know an approximate cost for PCSAT, both the original,
> and an estimate of what it would cost to build a new and improved one. How
> about it Bob is this information available?

```
Dont hold me to this:
$   2K in hardware,                            }Add these up
$  10K in spares                               }to arrive at our
$  38K in NASA/DOD meetings, travel, phonecalls  }$50K budget
-------
$ 200K Probable labor cost      (THis was just our job)
$3000K was our share of Launch  (DOD had already paid for the launch)
```

BUT, our mission was EDUCATIONAL, so RISK was acceptible. In the real world, there is no way anyone would risk a $3M launch cost on a cheap satellite. Its not the cost of the satellite, its the TWO MAN YEARS of preparations, meetings, presentations, travel, negotiations, testing, that eats up (burns out) people...

Bob

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924. [aprssig] Re: Satellite Usage (spin-off of Re: APRS in Key West?)

From: Doug McFadden <kc7imr@orednet.org>
Date: Thu, 27 Jun 2002 14:59:48 -0700 (PDT)
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-86983-2002.06.27-17.38.49--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

On Thu, 27 Jun 2002, Ralph Milnes wrote:

> >his sailboat..
>
> I've always viewed the birds only as "for fun" or "last resort" as they
> relate to APRS. Earthbound digis should be the preferred way to go, I would
> think -- if they exist, they're better.
>
> A guy on a bike and probably most drivers/pilots are going to want to set
> their path and their frequencies and leave them. They're not going to want
> to fool around with changing them while driving. Plus they're hoping for
> better coverage than 12 times a few minutes per day. For the guy on his
> boat without much chance of hitting a digi, the birds make more sense; or
> for a guy on a bike who is now in the Alaskan wilderness.
>
> I'm assuming Bob is advocating the birds for the latter situation... not
> for normal running and not for switching back and forth (land/satellite) --
> who would you know when a *working* bird is overhead? (OK, OK -- I know the
> converse argument is how do you know when your land-based digi coverage has
> stopped?)
>
>
>

I'm thinking about putting a set of rocks for the Sat freq in my Mytrek so that I might hit the bird when there's no digis, flip a single switch? Maybe keep an eye on the "busy" led to know when there is a pass or a digi close. Maybe replace the kpc-3 with a Pic-e to have two different beacon rates and paths with the flip of a switch? Or maybe borrow some of Wes' techno and have a pic/stamp listen to both channels and pick the active one and do smart beacons too.

Lots of possibilities!

Doug/KC7IMR

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-=-

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925. [aprssig] GPS NEMA Sentences from SV-6 CM3 Receiver

From: "Gregory Beat" <gregory.beat@attbi.com>
Date: Thu, 27 Jun 2002 17:36:27 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: "Chris Fischer" <Chris.Fischer@cox.net>
Message-ID: <LYR842-86987-2002.06.27-18.14.00--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Chris -

Thanks. Glad you got the antenna in the open for the almanac download and
getting a fix for tracking. Proves that the instructions provided work well
!!

Greg
w9gb

----- Original Message -----
From: "Chris Fischer" WA5RRN
To: "Gregory Beat" w9gb@arrl.net
Sent: Thursday, June 27, 2002 4:24 PM
Subject: GPS Sentence from CM3 Receiver

```
> Greg,
>
> Here is a sample of the data from the Trimble SV-6 CM3 GPS receiver
> I picked up from BG Micro.  Great instructions.
>
> Chris
> WA5RRN
>
>
> > $GPGGA,211509.7,3901.216,N,09547.685,W,1,3,003.1,,M,-029,M,,*5A
> > $GPVTG,000,T,355,M,00.0,N,00.0,K*4D
> > $GPGGA,211510.7,3901.216,N,09547.685,W,1,3,003.1,,M,-029,M,,*52
> > $GPVTG,000,T,355,M,00.0,N,00.0,K*4D
> > $GPGGA,211511.7,3901.216,N,09547.686,W,1,3,003.1,,M,-029,M,,*50
> > $GPVTG,000,T,355,M,00.0,N,00.0,K*4D
> > $GPGGA,211512.7,3901.216,N,09547.686,W,1,3,003.1,,M,-029,M,,*53
> > $GPVTG,000,T,355,M,00.0,N,00.0,K*4D
> > $GPGGA,211513.7,3901.216,N,09547.686,W,1,3,003.1,,M,-029,M,,*52
> > $GPVTG,000,T,355,M,00.0,N,00.0,K*4D
> > $GPGGA,211514.7,3901.216,N,09547.686,W,1,3,003.1,,M,-029,M,,*55
> > $GPVTG,000,T,355,M,00.0,N,00.0,K*4D
> >
> >
>
>
```

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926. [aprssig] Re: Kantroincs DIgipeaters

From: Ralph Fowler <rwf@mindspring.com>
Date: Thu, 27 Jun 2002 18:39:31 -0400
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-86988-2002.06.27-18.19.42--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Yes there is. 8.2 for the KPC-3 (not plus)
And to top that off, there are THREE VERSIONS, all called 8.2 (thanks
Kantronics)
Two of the versions have MAJOR problems!

At 03:21 PM 6/27/02 -0400, you wrote:
Begin Quoted Text
>I don't think there is a Ver 8.x in the KPC-3.
>The 8.x are for the KPC-3Plus.
>
>73 de Ronnie

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927. [aprssig] Re: Kantronics digi's

From: Ralph Fowler <rwf@mindspring.com>
Date: Thu, 27 Jun 2002 18:41:53 -0400
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-86989-2002.06.27-18.22.54--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

```
If your source just says 8.2 for the KPC-3 then it is wrong!!!
You have to say 8.2    version 265

They oughta come out with an 8.3 just to shut me up!


At 05:27 PM 6/27/02 -0400, you wrote:
Begin Quoted Text
>If I am reading this right the latest firmware is
>
>KPC-3   8.2
>KPC-3+ 8.3
>
>Here is my source:
>
>http://www.kantronics.com/access.htm


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```

928. [aprssig] Re: Kantronics Digipeaters

From: Doug McFadden <kc7imr@orednet.org>
Date: Thu, 27 Jun 2002 15:36:42 -0700 (PDT)
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-86993-2002.06.27-18.38.34--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

```
On Thu, 27 Jun 2002, Bob Bruninga wrote:

> Subject: [aprssig] Kantronics Digipeaters
>
> OOps...BAD IDEA. The P should be used for PACCOMM roms.  SO here is what I
> have now penciled into the list of version numbers...
>
>    APN383 for a KPC-3 or KPC-3PLUS version 8.3
>    APN983 for a KPC-9612 or KPC-9612PLUS
>    APNP50 for a Paccomm version 5.0 etc
>    APNMxx for MFJ, etc
>
>
Did 8.3 make it to the 3?  I thought 8.2 was the highest, 8.3 for the 3+
???


Doug/KC7IMR

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```

929. [aprssig] Re: Sat passes and sat utility

From: Doug McFadden <kc7imr@orednet.org>
Date: Thu, 27 Jun 2002 15:31:50 -0700 (PDT)
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-86994-2002.06.27-18.38.42--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

```
On Thu, 27 Jun 2002, Earl Needham wrote:

> >usability) of ham sats.
>
>          Does it have to be exclusively one or the other?  When PCSAT
> finally goes silent, won't we still have ISS?  And others?  Adding a
> geostationary APRS satellite would be a tremendous addition to what's
> already up there.
>
>
>
>
>
>
With the eminant demise of the TVRO industry, why haven't any hams made
use of cheap transponder time, equipment?  Seems like there could be lots
of fun to be had with c-band signals?


Doug/KC7IMR

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930. [aprssig] Re: Sat passes and sat utility

From: Doug McFadden <kc7imr@orednet.org>
Date: Thu, 27 Jun 2002 15:19:09 -0700 (PDT)
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-86995-2002.06.27-18.38.59--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

```
On Thu, 27 Jun 2002, Bob Bruninga wrote:

> Actually, we had a launch and a design for one.  But one week before
> integration, we got scrubbed due to State Department Bureaucracy.
>
> The neat thing about its design is that it would have accepted USER
> uplinks from the USA on 144.39!  So people in North america that wanted to
> be tracked either terrestrially or via satellite did not have to make ANY
> changes... except for one....
>
> Since the satellite would be at 22,000 miles up instead of 500, it would
> take LOTS more power to hit it.  But a mobile with a 19" whip would have
> made it with a 170W amp....
>
> Design:  http://www.ew.usna.edu/~bruninga/natsat.html
>
> de WB4APR, Bob
>
>
>
That would eliminate motorcycles, bikes, canoes, hikers, etc...etc....
leaving them to the LEOS.   What kind of congestion do you think such a
bird would have?


Doug/KC7IMR

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931. [aprssig] Re: Satellite Usage (spin-off of Re: APRS in Key West?)

From: Doug McFadden <kc7imr@orednet.org>
Date: Thu, 27 Jun 2002 15:07:54 -0700 (PDT)
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-86996-2002.06.27-18.39.38--lyris.aprssig#tapr.org@lists.tapr.org>

Rendered body type: text/plain

```
On Thu, 27 Jun 2002, Gregg G. Wonderly wrote:

>
> I have a server at work that sucks pages off of heavens-above.com and sends me
> text messages on my cell phone with the information about PCSAT and ISS
> passes. It sends them the hour before they occur and the of the pass.  This is
> good for working the birds on their next pass, but not good for planning,
> ahead of time, when to work the birds.  And, if I have no cell coverage, I get
> no messages...
>
> -----
>
That sounds like a great idea!  Would you care to share the details of
your "server at work" with us?


Doug/KC7IMR

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932. [aprssig] Re: Sat passes and sat utility

From: Earl Needham <needhame@yucca.net>
Date: Thu, 27 Jun 2002 17:25:10 -0600
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-87000-2002.06.27-19.10.46--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

```
At 03:31 PM 6/27/2002 -0700, Doug McFadden wrote:
><snip>
>With the eminant demise of the TVRO industry, why haven't any hams made
>use of cheap transponder time, equipment?  Seems like there could be lots
>of fun to be had with c-band signals?

         Seems I heard of a group doing exactly that a few years ago.  As I
recall, they were inside the ham band, thus their signals were about -60 dB
because of the filters in the satellite, but IT STILL WORKED.

         Anybody else have the details of this?

         Earl


Earl Needham, KD5XB, Clovis, New Mexico  DM84jk
KD5XB-2>APW251,PCSAT-1*:=3425.83N/10313.55W-PHG7150/WinAPRS 2.5.1
-EARL_CLOVIS -251-<630>
Did you get a letter from Nigeria offering a "deal"?  See
http://home.rica.net/alphae/419coal/ and
http://www.crimes-of-persuasion.com/Crimes/Business/nigerian.htm


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```

933. [aprssig] Re: Sat passes and sat utility

From: Bob Bruninga <bruninga@usna.edu>
Date: Thu, 27 Jun 2002 22:30:15 -0400 (EDT)
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: TAPR APRS Special Interest Group <aprssig@lists.tapr.org>
Message-ID: <LYR842-87035-2002.06.27-22.07.49--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

```
On Thu, 27 Jun 2002, Doug McFadden wrote:

> > The neat thing about its design is that it would have accepted USER
> > uplinks from the USA on 144.39!  So people in North america that wanted to
> > be tracked either terrestrially or via satellite did not have to make ANY
> > changes... except for one....
> > Since the satellite would be at 22,000 miles up instead of 500, it would
```

> > take LOTS more power to hit it. But a mobile with a 19" whip would have
> > made it with a 170W amp....
> >
> That would eliminate motorcycles, bikes, canoes, hikers, etc...etc....
> leaving them to the LEOS.   What kind of congestion do you think such a
> bird would have?

We were offered a ride to GEO. The goal was to find some use for a satellite at that range for APRS. At 22,000 miles versus 2,000 miles, Thats a factor of 10. and in radio that means it takes 100 times more power. There is just no way any lightweight mobiles are going to hit that bird without hundreds of watts or long beams at 2 meters.

It seemed a lot easier to add a 170W amp to a mobile than a 26 element crossed beam 10 feet long to an HT. So we went with the 170W into a 1/4 roof vertical for an ERP of 300W. Since the 1/4 wave has max gain up at about 30 degrees elevation, and the Bird is up that high or higher in the GEO orbit, then there was an additional 6 to 10dB suppression of all terrestrial APRS activity that tends to focus its energy on the horizon. Thus at 22,000 miles up, the only thing the bird would hear by a margin of 16 dB or more would be the high power mobiles and all the rest of 144.39 activity would be below the noise.

Thus we could operate on 144.39 with no congestion. Thus we did not have to ask AMSAT for another 2m FM frqunency which everyone told us was not available anyway. And by using 144.39, these same mobiles would be tracked terrestrially whenever they were within range of the terrestrial network without ever changing anything.

For the orbit offered, it seemed like a great design that minimized interference with other AMSATS, and maximized the usability of the mobiles that needed the continent wide coverage.

No, it did not serve the HT's, but that is impossible from that distance with an unstabalized spacecraft with no antenna gain possible on the bird.

de WB4APR, Bob

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934. [aprssig] findu.com backup server has been ordered

From: "Guy Story, KC5GOI" <kc5goi@kc5goi.net>
Date: Thu, 27 Jun 2002 21:30:45 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-87037-2002.06.27-22.08.26--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Hello everyone. I know this has been a burning question for everyone envolved and made donations. The findu.com backup server was ordered tonight. I will post the specs when it arrives with an estimated time frame on when it will be online. I aplolgize for the delays. I do need the gentleman who represent DWR race support to contact me off the sig. Congradulations to everyone who made donations. We exceeded $5000 dollars. I plan to update the web site with the rest of the names and the total amount raised on sunday evening.

Thank you to all envolved and those you volunteered to help out. You guys have made this possible and you will be pleases with what you get in return.

We followed Steve recommendations with the exception of a RAID array and tape backup. The machine will not have it's full memory installed. Dell is proud of the prices on their memory upgrades. We are going to obtain that at a lower price locally. It will allow for more memory for the same price. Target is 1 gig of ram. The rest of the specs will be posted when the system arrives.

73
--
Guy Story, KC5GOI
Itel-Tigerbyte LLC
gstory@tigerbyte.com
940.891.4575

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935. [aprssig] Oncore GT+ receivers

From: "Gregory Beat" <gregory.beat@attbi.com>
Date: Thu, 27 Jun 2002 21:34:07 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-87047-2002.06.27-22.12.46--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

I recenly purchased a Motorola Oncore GT+ receiver (tracking application)
from this
seller. Currently 5 in a dutch auction. Plugged into W3IWI TAC-2 board,
loaded my
local almanac and it started right up. The flash microcode indicated that
GT+ had latest
release.
http://cgi.ebay.com/ws/eBayISAPI.dll?ViewItem&item=1362506618

Data Sheet on GT Plus receiver
http://www.synergy-gps.com/GT+_Oncore.html

Serial Interface board and TAC-2 software available on TAPR web site.
http://www.tapr.org/tapr/html/Fvpib.html

http://www.tapr.org/tapr/html/Ftac32.html

Motorola WinOncore12 software (configuration and almanac loading) available
at:
http://www.synergy-gps.com/index.html

73 de w9gb

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936. [aprssig] Re: Satellite Usage (spin-off of Re: APRS in Key West?)

From: "Wes Johnston" <wes@johnston.net>
Date: Thu, 27 Jun 2002 22:41:31 -0400
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: <aprssig@tapr.org>
Message-ID: <LYR842-87052-2002.06.27-22.20.19--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Getting the D700 to tell you which channel (side of radio) is busy is really easy. That would be a REALLY slick idea.... to have one side scanning the satelite downlinks and the other on aprs.... when you get a "ding" on a satellite freq, the d700 spits out teh freq and squelch reading. You just send the commands to swap the data side of the radio for 10 to 13 minutes (the longest pass). This is really a great idea Doug! It would be really cool if when you weren't talking on the voice side, if it would scan or set 145.825 as a call channel and check it periodically... then the pic processor would see the "ding" and know if the freq was 145.825 that it needed to switch modes.

Wes

----- Original Message -----
From: "Doug McFadden" <kc7imr@orednet.org>
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Sent: Thursday, June 27, 2002 5:59 PM
Subject: [aprssig] Re: Satellite Usage (spin-off of Re: APRS in Key West?)

> On Thu, 27 Jun 2002, Ralph Milnes wrote:
>
> > >his sailboat..
> >
> > I've always viewed the birds only as "for fun" or "last resort" as they
> > relate to APRS. Earthbound digis should be the preferred way to go, I
would

```
> > think -- if they exist, they're better.
> >
> > A guy on a bike and probably most drivers/pilots are going to want to
set
> > their path and their frequencies and leave them. They're not going to
want
> > to fool around with changing them while driving. Plus they're hoping for
> > better coverage than 12 times a few minutes per day. For the guy on his
> > boat without much chance of hitting a digi, the birds make more sense;
or
> > for a guy on a bike who is now in the Alaskan wilderness.
> >
> > I'm assuming Bob is advocating the birds for the latter situation... not
> > for normal running and not for switching back and forth
(land/satellite) --
> > who would you know when a *working* bird is overhead? (OK, OK -- I know
the
> > converse argument is how do you know when your land-based digi coverage
has
> > stopped?)
> >
> >
> >
> I'm thinking about putting a set of rocks for the Sat freq in my Mytrek so
> that I might hit the bird when there's no digis, flip a single switch?
> Maybe keep an eye on the "busy" led to know when there is a pass or a digi
> close.  Maybe replace the kpc-3 with a Pic-e to have two different beacon
> rates and paths with the flip of a switch?  Or maybe borrow some of Wes'
> techno and have a pic/stamp listen to both channels and pick the active
> one and do smart beacons too.
>
> Lots of possibilities!
>
>
> Doug/KC7IMR
>
> Trying to establish voice contact ... please yell into your keyboard.
> -=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-
>
>
> ---
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>
>



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```

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937. [aprssig] PCsat load test Query.

From: Bob Bruninga <bruninga@usna.edu>
Date: Thu, 27 Jun 2002 23:54:13 -0400 (EDT)
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: TAPR APRS SIG <aprssig@lists.tapr.org>
Message-ID: <LYR842-87058-2002.06.27-23.31.56--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

```
I need data from everyone that attempted to transmit during the thursday
afternoon PCsat LOAD test.  Whether successful or not.  Send private, I
will summarize.

Since PCsat had reset and was only digipeating packets via W3ADO-1
we want to know about anyone else that was on 145.825 even if you were
using RELAY or WIDE too and even if you were not successful.

Reason is, that even though your packets may not have been  digiepated,
because of the path mix-up, they did represent a full load on the uplink
channel so they do count as  part  of the load.  For the purpose of
documenting this test, it would be nice to know:

Power:      ________
Antenna:    ________
XMIT Rate: ________  (no, we will not criticize you)
PATH:       ________
Assesment: ________ mitigating info to explain why you might not have
```

gotten in. (wrong time, wrong path, long coax, etc)

Calls logged so far. (Only report additions.)

AA3VO,AA9LC
K5OE,K9ORP,KB0VBZ,KB1GUE,KB1GUE,KC0JHQ
N4QWF,N6JLH,N6CO,N9ORP,N8ORJ,NP3ZY
W3SMK,W4JBB,WA4SAS,WA4SSP,WB4APR,WB4JBB,WB8NW
VE3DOH,XE2ARF

I saw very little get to the APRS-IS, though I had 13 stations logged on my receiver... But I left that at work and those calls are not included here.

de WB4APR@amsat.org, Bob

PCsat WEB page   http://www.ew.usna.edu/~bruninga/pcsat.html

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938. [aprssig] Re: PCsat Load test

From: Matt Steinhoff <mls@steinhoff.net>
Date: Fri, 28 Jun 2002 04:35:37 -0400
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: aprssig@lists.tapr.org
Message-ID: <LYR842-87089-2002.06.28-04.13.13--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Using PCSat is hugely frustrating.
    In March, I did a 5,782 mile American road trip and planned to use PCSat since I'd be out in the middle of nowhere for most of the western leg. It turned out that week the battery was totally shot and the satellite was closed. The only way I knew that was I read this list when I got home.
    For Field Day this year, I was on my way to Denmark by way of Newark and London. I figured on those layovers, I'd be able to make a few PCSat contacts from the various airports since it would be fairly active. No such luck. Low sat batteries?
    Several nights this week from Aarhus, Denmark, I have tried to contact PCSat using the RELAY path without any luck. I don't know if that is because of the path or a battery situation. In any case, there was no satellite love to be had.
    Eventually, I gave up and used a ground path (wide @ 144.8). I heard much traffic and made it to FindU...
    http://map.findu.com/k4mls

    Between the battery situation and the constantly changing path (not to mention trying to figure out when it is overhead), it really is a pain to use.
    If I had but one wish, it would be that you pick a path and stick with it no matter what. I know that W3AD0-1 will work all the time but on a number of occasions you have said not to use that because of low power. So, users have to guess which combination of RELAY, WIDE, ARISS, NOCALL, etc. is active for the day.
    It's a real shame that PCSat is so flaky. The concept is awesome but the execution leaves a lot to be desired. I can't wait until there is a PCSat version 2.0 that addresses the bad solar cell, has a larger battery and a static path.

    Matt (k4mls)

Date: Thu, 27 Jun 2002 17:43:38 -0400 (EDT)
From: Bob Bruninga <bruninga@usna.edu>

> Since we blew it for fieldday (low bats), PCsat has just never
> gotten a full user load to prove its ability to support hundreds
> of users per pass. Before it goes back into maximum ecllipses, I
> would like to load it with as MANY different users as we can.

ARGH! We were one day too late. PCsat was back into 29% eclipses today, and it reset and we didnt catch it in time so the batteries are too low to keep it programmed. The first pass of the test, I

got her into low power, but too much risk to try to load everything
else. Batteries were already too low. SO the only digipeating
callsign that would work today was via W3ADO-1.

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---

939. [aprssig] RE: Satellite visibillities

From: "Andrew Rich" <andrew.rich@bigpond.com>
Date: Fri, 28 Jun 2002 20:10:07 +1000
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-87091-2002.06.28-05.47.47--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Bob, this is really cool, can you add the freqs ?

Thanks

Andy

-----Original Message-----
From: bounce-aprssig-23621@lists.tapr.org
[mailto:bounce-aprssig-23621@lists.tapr.org]On Behalf Of Bob Bruninga
Sent: Friday, 28 June 2002 01:52
To: TAPR APRS Special Interest Group
Cc: TAPR APRS SIG
Subject: [aprssig] Satellite visibillities

Mobile Satellite Pass Periods for the week of 06-27-2002

```
Sats 06 07 08 09 10 11 12 13 14 15 16 17 18 19 20 21 22 23 00 01 02 03
---- -- -- -- -- -- -- -- -- -- -- -- -- -- -- -- -- -- -- -- -- -- --
AO27    **********                      ***********
UO14      ***********                      ***********
SO41   *************  *          *************
ISS  *************************** **
UO22 ******                      ***********
PCSAT                       **************            * ************
AO-7    ********* ** **                 ********** **
Note:  LOCAL Daylight-Savings SUN TIME for MID Northern Latitudes.
```

AO27, UO14, UO22, and AO-7 are sunsynchronus and their times dont change
PCsat comes over 30 minutes earlier every day (but add 100 mins each week)

SOUTHERN Hemisphere pass times:

```
Sats 06 07 08 09 10 11 12 13 14 15 16 17 18 19 20 21 22 23 00 01 02 03
---- -- -- -- -- -- -- -- -- -- -- -- -- -- -- -- -- -- -- -- -- -- --
AO27 **********                            ***********
UO14    **********                            ***********
SO41 ****  *                                ************
ISS                                  *  **************** ********** **
UO22 **                             ***********
PCSAT**             ************ *                              ******
AO-7 ** **********                          ** ********** **
Note:  Times are LOCAL SUN STANDARD TIME for MID Southern Latitudes.
```

de WB4APR@amsat.org, Bob

```
PCsat WEB  page     http://www.ew.usna.edu/~bruninga/pcsat.html
ISS-APRS FAQ:       http://www.ew.usna.edu/~bruninga/iss-faq.html
CUBESAT Designs     http://www.ew.usna.edu/~bruninga/cubesat.html
APRS LIVE pages     http://www.ew.usna.edu/~bruninga/aprs.html
APRS SATELLITES     http://www.ew.usna.edu/~bruninga/astars.html
MIM/Mic-E/Mic-Lite  http://www.toad.net/~wclement/bruninga/mic-lite.html
```

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940. [aprssig] Re: Kantroincs DIgipeaters

From: "Ronald Reams" <wa4mjf@worldnet.att.net>
Date: Fri, 28 Jun 2002 06:42:56 -0400
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: "APRS Sig" <aprssig@lists.tapr.org>
Message-ID: <LYR842-87093-2002.06.28-06.20.36--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Well, yes, Dale, I've had them with Ver 8.2 (1997)
and later Ver 8.3 (1999)) I cheated I looked at come of
the chips in a drawer).

I just don't recall gettin' a KPC-3 with any Ver 8.x chips in them, but
hey it has been 5 years or so since they quit makin' them and I coulda
forgotten.

73 de Ronnie

----- Original Message -----
From: "Dale Blanchard" <wa7ixk@earthlink.net>
To: "Ronald Reams" <wa4mjf@worldnet.att.net>
Sent: Thursday, June 27, 2002 23:30
Subject: Re: [aprssig] Re: Kantroincs DIgipeaters

My KP3Plus came with 8.2 installed.

Ronald Reams wrote:

> I guess, Fred, that could be right. Our club has many KPC-3
> and KPC-3Plus. I guess I just don't remember gettin'
> any KPC-3s with the Ver 8.x in them. I've gotten
> KPC-3Plus with 8.2 and later 8.3. Same-same with
> KAMPlus that we use for Gates.
>
> Now I order them with K-Net-8.0 in them. Retrofitted
> the KPC-3s with K-net 6.0
>
> 73 de Ronnie

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941. [aprssig] Re: LONG TRIP

From: roger w rockwell <wb4trz@juno.com>
Date: Fri, 28 Jun 2002 06:18:50 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-87094-2002.06.28-07.08.46--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

OK, It�s time to hit the road again. I am continuing my
trans-continental motorcycle ride from Key West to Homer, Alaska. I am
wired for APRS. The basic route from here is Pensacola to Memphis,
Kansas City, Omaha, Rapid City, Calgary, Edmonton, Ft Nelson, Tok,
Anchorage, and Homer. Sounds easy.
I'll be k1pns-14 on findu and/ or can get the whole story daily with
pictures and a find-u link at http://www.rwrockwell.com

Honk when you pass

Roger
K1PNS

____
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942. [aprssig] Re: Kantroincs DIgipeaters

From: "Ronald Reams" <wa4mjf@worldnet.att.net>
Date: Fri, 28 Jun 2002 07:54:47 -0400
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: "APRS Sig" <aprssig@lists.tapr.org>
Message-ID: <LYR842-87095-2002.06.28-07.32.26--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Hi Wes,

Well, I sent it this mornin'.   0642 sounds about right.

It is 280754Q (281154Z) now.

How does it look? I haven't changed anything.

73 de Ronnie

----- Original Message -----
From: "Wes Johnston" <wes@johnston.net>
To: "Ronald Reams" <wa4mjf@worldnet.att.net>
Sent: Friday, June 28, 2002 07:19
Subject: Re: [aprssig] Re: Kantroincs DIgipeaters

check the time on you PC clock.... loooks like you are on the wrong am / pm.
73
Wes
----- Original Message -----
From: "Ronald Reams" <wa4mjf@worldnet.att.net>
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: "APRS Sig" <aprssig@lists.tapr.org>
Sent: Friday, June 28, 2002 6:42 AM
Subject: [aprssig] Re: Kantroincs DIgipeaters

> Well, yes, Dale, I've had them with Ver 8.2 (1997)
> and later Ver 8.3 (1999)) I cheated I looked at come of
> the chips in a drawer).
>
> I just don't recall gettin' a KPC-3 with any Ver 8.x chips in them, but
> hey it has been 5 years or so since they quit makin' them and I coulda
> forgotten.
>
> 73 de Ronnie
>
>
> ----- Original Message -----
> From: "Dale Blanchard" <wa7ixk@earthlink.net>
> To: "Ronald Reams" <wa4mjf@worldnet.att.net>
> Sent: Thursday, June 27, 2002 23:30
> Subject: Re: [aprssig] Re: Kantroincs DIgipeaters
>
>
> My KP3Plus came with 8.2 installed.
>
Hi

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943. [aprssig] Re: LONG TRIP

From: "H. N. Vordenbaum" <k5hv@beecreek.net>
Date: Fri, 28 Jun 2002 07:12:28 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-87096-2002.06.28-07.50.00--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

I wonder what you do in Canada. I couldn't get the TM-d700 to take:
VE6/K5HV-9 as Mycall last September.
73, Harv

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944. [aprssig] Re: LONG TRIP

From: Matt Steinhoff <mls@steinhoff.net>
Date: Fri, 28 Jun 2002 08:18:31 -0400
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: aprssig@lists.tapr.org
Message-ID: <LYR842-87098-2002.06.28-07.56.07--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

> From: "H. N. Vordenbaum" <k5hv@beecreek.net>
> I wonder what you do in Canada. I couldn't get the
> TM-d700 to take: VE6/K5HV-9 as Mycall last September.

MYCALL won't take a slash on either the D700 or the D7. Some have suggested a hyphen ('-') instead. That may or may not be allowable. The best suggestion I have heard is to simply put your call in the status field and make sure the status field gets transmitted.

Matt (OZ/K4MLS)

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945. [aprssig] Re: LONG TRIP

From: "Ronald Reams" <wa4mjf@worldnet.att.net>
Date: Fri, 28 Jun 2002 08:51:08 -0400
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-87108-2002.06.28-08.28.48--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

That is interstin' that Canada prefixes the foreign callsign, here in the states Canucks suffix the US call area, as in VE6###/W4. All other foreign callsigns, prefix the US prefix as in W4/G4###.

Do you know why Canada is bassackwards for US callsigns?

73 de Ronnie

----- Original Message -----
From: "Matt Steinhoff" <mls@steinhoff.net>
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: <aprssig@lists.tapr.org>
Sent: Friday, June 28, 2002 08:18
Subject: [aprssig] Re: LONG TRIP

> From: "H. N. Vordenbaum" <k5hv@beecreek.net>
> I wonder what you do in Canada. I couldn't get the
> TM-d700 to take: VE6/K5HV-9 as Mycall last September.

MYCALL won't take a slash on either the D700 or the D7. Some have suggested a hyphen ('-') instead. That may or may not be allowable. The best suggestion I have heard is to simply put your call in the status field and make sure the status field gets transmitted.

Matt (OZ/K4MLS)

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946. [aprssig] Re: LONG TRIP

From: "Ronald Reams" <wa4mjf@worldnet.att.net>
Date: Fri, 28 Jun 2002 09:00:29 -0400
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: "APRS Sig" <aprssig@lists.tapr.org>
Message-ID: <LYR842-87109-2002.06.28-08.38.10--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Well, Matt, according to Part 97, all forein callsigns
except those from Canada prefix the W# and Canadian
calls suffix the W#.   All foreign stations must at least once
durin' a conversation state their geographic location by IDin'
a town and state (or territory) near them.

73 de Ronnie

----- Original Message -----
From: "Matt Steinhoff" <mls@steinhoff.net>
To: <wa4mjf@worldnet.att.net>
Sent: Friday, June 28, 2002 08:55
Subject: Re: LONG TRIP

> That is interstin' that Canada prefixes the foreign callsign, here
> in the states Canucks suffix the US call area, as in VE6###/W4. All
> other foreign callsigns, prefix the US prefix as in W4/G4###. Do
> you know why Canada is bassackwards for US callsigns?

I'm not sure it makes much difference. I've seen both OZ/K4MLS
and K4MLS/OZ style calls uses in America and around the world. I'm
pretty there is a 'right' way but I don't know which it it.

Matt

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947. [aprssig] Re: LONG TRIP

From: "Paul Knupke, Jr." <pekjr@tampabay.rr.com>
Date: Fri, 28 Jun 2002 08:20:55 -0400
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-87110-2002.06.28-08.47.52--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

TNCs don't take the slantbar so what I did when I was in Ontario 2
summers ago I put /VE3 in my status text if my D7/D700 the position you
are transmitting gives your position so that would be just like saying
verbally where you are.

I was using my D7 with only 5 watts and had a great track from Detroit
to Toronto and north to Huntsville.

73
Paul
N4PK

-----Original Message-----
From: bounce-aprssig-24715@lists.tapr.org
[mailto:bounce-aprssig-24715@lists.tapr.org] On Behalf Of H. N.
Vordenbaum
Sent: Friday, June 28, 2002 8:12 AM
To: TAPR APRS Special Interest Group
Subject: [aprssig] Re: LONG TRIP

I wonder what you do in Canada. I couldn't get the TM-d700 to take:
VE6/K5HV-9 as Mycall last September. 73, Harv

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948. [aprssig] Re: PCsat Load test

From: "Curt Mills, WE7U" <hacker@tc.fluke.com>
Date: Fri, 28 Jun 2002 07:53:49 -0700 (PDT)
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-87114-2002.06.28-10.31.28--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

On Fri, 28 Jun 2002, Matt Steinhoff wrote:

> I can't
> wait until there is a PCSat version 2.0 that addresses the bad
> solar cell, has a larger battery and a static path.

And goes into low-power fail-safe mode automatically without any command station control if/when it's in eclipse and the batteries _do_ get drained: One or two receivers on, cycled on/off at various rates depending on the power available, no digipeating, occasional transmissions to give the ground stations telemetry. Shut all that down and just cycle one receiver on/off if it's gets extremely bad.

Is there any way to keep LEO satellites out in the sun more? It seems unlikely. Probably with severe weight restrictions for launch you can't send up many spares either, like another battery or solar cell.

Talk about the ultimate harsh environment to try to keep something running!

Thanks to Bob and his group for the cool satellites! I haven't operated sats during quite a few years hamming, but I've been learning a lot from this particular project. I expect it's only a matter of time before I get bitten by the sat bug, particularly because people are making it easier and easier to do so.

```
Curt Mills, WE7U                        hacker.NO_*SPAM@tc.fluke.com
Senior Methods Engineer/SysAdmin
"Lotto:    A tax on people who are bad at math." -- unknown
"Windows:  Microsoft's tax on computer illiterates." -- WE7U
```

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949. [aprssig] Re: LONG TRIP

From: Bob Nielsen <nielsen@oz.net>
Date: Fri, 28 Jun 2002 08:37:46 -0700
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-87121-2002.06.28-11.15.25--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

The reciprocal agreement with Canada was written at a time when the prevailing practice for portable operation was to use the "foreign" prefix as a suffix. Times have changed, but that agreement has not been revised. I suspect you would not get in serious trouble if you did it the other way.

Bob, N7XY

On Fri, Jun 28, 2002 at 08:51:08AM -0400, Ronald Reams wrote:
> That is interstin' that Canada prefixes the foreign callsign,
> here in the states Canucks suffix the US call area, as in
> VE6###/W4. All other foreign callsigns, prefix the US
> prefix as in W4/G4###.
>
> Do you know why Canada is bassackwards for US callsigns?

```
>
>
> 73 de Ronnie
>
>
> ----- Original Message -----
> From: "Matt Steinhoff" <mls@steinhoff.net>
> To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
> Cc: <aprssig@lists.tapr.org>
> Sent: Friday, June 28, 2002 08:18
> Subject: [aprssig] Re: LONG TRIP
>
>
> > From: "H. N. Vordenbaum" <k5hv@beecreek.net>
> > I wonder what you do in Canada.  I couldn't get the
> > TM-d700 to take: VE6/K5HV-9 as Mycall last September.
>
>    MYCALL won't take a slash on either the D700 or the
> D7. Some have suggested a hyphen ('-') instead. That
> may or may not be allowable. The best suggestion I have
> heard is to simply put your call in the status field
> and make sure the status field gets transmitted.
>
>     Matt (OZ/K4MLS)
>

---
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```

950. [aprssig] Re: Kantroincs DIgipeaters

```
From: "Ronald Reams" <wa4mjf@worldnet.att.net>
Date: Fri, 28 Jun 2002 12:15:28 -0400
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: "APRS Sig" <aprssig@lists.tapr.org>
Message-ID: <LYR842-87123-2002.06.28-11.53.06--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain
```

```
Also, label on top sez either KPC-3 or KPC-3P

I've been goin' through my box of chips that were
pulled when K-Net chips were put in and I can't
find any that have KPC-3 with a Ver 8.x.

I find KPC-3P chips in version 8.2 (1997) and
version 8.3 (1999).  The ones we order now come from
factory with K-Net 8.0 in them.

73 de Ronnie

----- Original Message -----
From: "fred houghton" <ve7ffk@mail.ocis.net>
To: "Ronald Reams" <wa4mjf@worldnet.att.net>
Sent: Friday, June 28, 2002 12:07
Subject: Re: Kantroincs DIgipeaters


Hi Ron:
There should be no mistaking the difference, as the 8.2 is a 28 pin chip
while the 8.3 is a 32 pin chip. :-)

Cheers - Fred - VE7FFK






---
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```

951. [aprssig] Re: Kantroincs DIgipeaters

```
From: Byron Smith <bdsmith@co.tulare.ca.us>
Date: Fri, 28 Jun 2002 09:38:06 -0700
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
```

Cc: aprssig@lists.tapr.org
Message-ID: <LYR842-87125-2002.06.28-12.17.55--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

```
The original KPC3+ shipped with version 7.0.

The upgrades were 8.2 and 8.3

See the software revision list at:

http://www.kantronics.com/ver_hist.htm




At 05:16 PM 06/27/2002 -0400, you wrote:
>I guess, Fred, that could be right.  Our club has many KPC-3
>and KPC-3Plus.   I guess I just don't remember gettin'
>any KPC-3s with the Ver 8.x in them.   I've gotten
>KPC-3Plus with 8.2 and later 8.3.  Same-same with
>KAMPlus that we use for Gates.
>
>Now I order them with K-Net-8.0 in them.   Retrofitted
>the KPC-3s with K-net 6.0
>
>73 de Ronnie


---
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```

952. [aprssig] Re: Kantroincs DIgipeaters

From: Dale Blanchard <wa7ixk@earthlink.net>
Date: Fri, 28 Jun 2002 10:09:12 -0700
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: TAPR APRS Special Interest Group <aprssig@lists.tapr.org>
Message-ID: <LYR842-87126-2002.06.28-12.46.58--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

```
Does that mean I cannot upgrade my KCP-Plus V8.2 to 8.3? I would like to get rid of one of the cables,
but I dont see how  just a chip change would do that.
>
> Hi Ron:
> There should be no mistaking the difference, as the 8.2 is a 28 pin chip
> while the 8.3 is a 32 pin chip. :-)
>
> Cheers - Fred - VE7FFK



---
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```

953. [aprssig] Colorado Front range DIgipeaters

From: "George Kammerzell" <n0zed@rmaprs.org>
Date: Fri, 28 Jun 2002 11:37:16 -0600
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: <RM-APRS@yahoogroups.com>
Message-ID: <LYR842-87128-2002.06.28-13.14.53--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

```
All colorado front range digi owners , please send me back the form below so
I can make a good map for
http://www.rmaprs.org/maps.html

mycall
lat
lon
elv
power ERP
Ant gain
ant dir
```

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954. [aprssig] Re: LONG TRIP

From: "Brian B. Riley \(N1BQ\) ListAcct" <n1bq_list@wulfden.org>
Date: Fri, 28 Jun 2002 14:50:34 -0400
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-87134-2002.06.28-14.28.13--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

we have been over this before and I thought we beat it to death ... since you are transmitting your location there is no need for these contortions, just put your call in as normal and the fact that you are in Canada is clearly established by your also transmitted location. That is what Canadians do here in the Northern tier states and what us Northern tier Americans do in Canada every day ...

cheers ... n1bq in Underhill Center, VT

-----Original Message-----
From: bounce-aprssig-25883@lists.tapr.org
[mailto:bounce-aprssig-25883@lists.tapr.org]On Behalf Of Matt Steinhoff
Sent: Friday, June 28, 2002 8:19 AM
To: TAPR APRS Special Interest Group
Cc: aprssig@lists.tapr.org
Subject: [aprssig] Re: LONG TRIP

> From: "H. N. Vordenbaum" <k5hv@beecreek.net>
> I wonder what you do in Canada. I couldn't get the
> TM-d700 to take: VE6/K5HV-9 as Mycall last September.

MYCALL won't take a slash on either the D700 or the D7. Some have suggested a hyphen ('-') instead. That may or may not be allowable. The best suggestion I have heard is to simply put your call in the status field and make sure the status field gets transmitted.

Matt (OZ/K4MLS)

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955. [aprssig] Bigger & Faster is not always BETTER

From: k9soa@att.net
Date: Fri, 28 Jun 2002 20:18:09 +0000
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-87137-2002.06.28-15.55.43--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Been fighting a problem running AGWPE & UI-VIEW on Windoz 98 Se. Kept dying with page fault.

Tried on 3 different systems. 800mz 650meg, 16meg Video, 550mz 500meg, 12meg Video, and 500mz 512meg 12meg Video.

All got the same results. Run between 1/2 hour to 6 hours then die.

Finally put the system on a 266mz 32meg, 1meg Video and it has been running solid without a problem.

SAVE THOSE OLD PC's.

--
Don

www.k9soa.net (EM77EW)

Home of "JEANNIE"
The House That Listens
Using HAL2000 by Home Automated Living
Seen on HGTV's Dream Builder show

Featured Home of the Month
Home Automation Magazine March 2002

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---

956. [aprssig] Re: [Vince] Re: The Riley Factor, SIG, QST

From: "Gregg G. Wonderly" <gregg@skymaster.c2-tech.com>
Date: Wed, 26 Jun 2002 12:30:59 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: TAPR APRS Special Interest Group <aprssig@lists.tapr.org>
Message-ID: <LYR842-87139-2002.06.28-16.28.26--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

> I wanted to be a part of this 'exclusive' club for over thirty years. Now
> that I am one, I sometimes wonder if it was worth it considering all the
> infighting, locally and especially on this SIG. It amazes me how folks who
> are supposed to be communications experts miss the point of others, and are
> so willing to impress their opinion on others that they do not 'hear' what
> another has said. It truely gives me pause.

Amateur Radio phone transmitions are a broadcast media. Some people in this hobby are broadcasters (a oneway media) and so, this is what they do. They say a lot, listen little (if any) and learn nothing more. Others in the hobby are listeners, and receive what they hear without much response. Still others are two way messengers that give and take freely the information that they have access to.

The broadcasters are the most annoying and the listeners are the ones we have the most to learn from (they have heard it all). The two-way messengers hold the latter two groups in each hand and provide all this profound interpretation of what they perceive.

We need all of these people. We just have to learn to live with them and understand their mental bias toward a particular mode of participation. And that participation may change over time based on the feedback we give them!
-----
gregg@c2-tech.com (C2 Technologies Inc)

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---

957. [aprssig] NEMA with SVeeSix-CM3 GPS receiver

From: "Gregory Beat" <gregory.beat@attbi.com>
Date: Wed, 26 Jun 2002 19:45:19 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: <tacgps@lists.tapr.org>
Message-ID: <LYR842-87149-2002.06.28-17.44.46--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

The NEMA protocol is supported in this receiver. Receiver must be programmed
 with the software from the Trimble web site (ftp). This is covered in the PDF link below.

A TTL to Serial Interface must also be built (also in PDF) to access and use the receiver.

w9gb

----- Original Message -----
From: <gregory.beat@attbi.com>
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: <tacgps@lists.tapr.org>
Sent: Wednesday, June 26, 2002 3:56 PM
Subject: [aprssig] SVeeSix-CM3 GPS receiver

> Thinking about the surplus SVeeSix-CM3 GPS receiver?
>
> Documentation, an interface schematic and Trimble
> software links are provided for the surplus SVeeSix-CM3
> GPS receivers currently available from B.G. Micro.
>
> The document is in Adobe Acrobat format and is useful
> for reading or study before purchase. Seems to be a
> well written document.
>
> http://www.bgmicro.com/pdf/acs1394.pdf
>
> 73 de w9gb
> Greg
>
> ---
> You are currently subscribed to aprssig as: gregory.beat@attbi.com
> To unsubscribe send a blank email to leave-aprssig-842K@lists.tapr.org
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>
>

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---

958. [aprssig] Re: How many GPS receivers left?

From: "Jim Scott" <jamesescott@adelphia.net>
Date: Wed, 26 Jun 2002 17:32:18 -0400
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: <tacgps@lists.tapr.org>
Message-ID: <LYR842-87152-2002.06.28-17.50.28--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Has anyone confirmed if these put out NMEA information?
jim
n8orj
----- Original Message -----
From: <gregory.beat@attbi.com>
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: <tacgps@lists.tapr.org>
Sent: Wednesday, June 26, 2002 5:07 PM
Subject: [aprssig] How many GPS receivers left?

> Just talked to Billy at B.G. Micro.
>
> They started with over 800 SVeeSix-CM3 receivers
> available and are now down to 189.
>
> 73 de w9gb
>
> ---
> You are currently subscribed to aprssig as: jamesescott@adelphia.net
> To unsubscribe send a blank email to leave-aprssig-842K@lists.tapr.org
> Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org
>

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959. [aprssig] Re: LONG TRIP

From: "AE5PL Lists" <HamLists@ametx.com>
Date: Fri, 28 Jun 2002 17:18:39 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-87153-2002.06.28-17.56.21--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Brian,

You are incorrect. Transmitting your lat/lon does NOT meet the identification requirements for reciprocal operation, in this country or any country that the US has an agreement with. The various reciprocal regulations are very specific in what method of identification is required (prefix (XX/) or suffix (/XX) of the host nation, sometimes indicating region or class of license).

AX.25 is not designed to support this method of identification (hence the reason a D7 or D700 does not allow this type of callsign). However, identification can be done within the text of the packet. On a D7 or D700, this means turning status on and putting the callsign with the necessary prefix or suffix in the status text.

I have traveled extensively internationally and operated in CEPT countries, Canada, and Mexico. All of these countries have indicated (via private communication) that compliance with their respective reciprocal licensing agreements are mandatory, inclusive of the identification requirements. The method of identification described in my second paragraph meets these requirements. If you are not identifying your station properly, you are in violation of the reciprocal licensing agreement.

73,

Pete Loveall AE5PL
http://www.ae5pl.net
mailto:pete@ae5pl.net

> -----Original Message-----
> From: Brian B. Riley (N1BQ) ListAcct [mailto:n1bq_list@wulfden.org]
> Posted At: Friday, June 28, 2002 1:52 PM
> Subject: [aprssig] Re: LONG TRIP
>
> death ... since
> you are transmitting your location there is no need for these
> contortions,
> just put your call in as normal and the fact that you are in Canada is
> clearly established by your also transmitted location. That is what
> Canadians do here in the Northern tier states and what us
> Northern tier
> Americans do in Canada every day ...

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960. [aprssig] Re: How many GPS receivers left?

From: "Chris Fischer WA5RRN" <wa5rrn@wa5rrn.com>
Date: Fri, 28 Jun 2002 17:43:29 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: <tacgps@lists.tapr.org>
Message-ID: <LYR842-87158-2002.06.28-18.16.51--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Jim,

Here is a sample of the output:

```
$GPGGA,211509.7,3901.216,N,09547.685,W,1,3,003.1,,M,-029,M,,*5A
```

```
$GPVTG,000,T,355,M,00.0,N,00.0,K*4D
$GPGGA,211510.7,3901.216,N,09547.685,W,1,3,003.1,,M,-029,M,,*52
$GPVTG,000,T,355,M,00.0,N,00.0,K*4D
$GPGGA,211511.7,3901.216,N,09547.686,W,1,3,003.1,,M,-029,M,,*50
$GPVTG,000,T,355,M,00.0,N,00.0,K*4D
$GPGGA,211512.7,3901.216,N,09547.686,W,1,3,003.1,,M,-029,M,,*53
$GPVTG,000,T,355,M,00.0,N,00.0,K*4D
$GPGGA,211513.7,3901.216,N,09547.686,W,1,3,003.1,,M,-029,M,,*52
$GPVTG,000,T,355,M,00.0,N,00.0,K*4D
$GPGGA,211514.7,3901.216,N,09547.686,W,1,3,003.1,,M,-029,M,,*55
$GPVTG,000,T,355,M,00.0,N,00.0,K*4D
```

73,
Chris - WA5RRN

----- Original Message -----
From: "Jim Scott" <jamesescott@adelphia.net>
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: <tacgps@lists.tapr.org>
Sent: Wednesday, June 26, 2002 4:32 PM
Subject: [aprssig] Re: How many GPS receivers left?

> Has anyone confirmed if these put out NMEA information?
> jim
> n8orj
> ----- Original Message -----
> From: <gregory.beat@attbi.com>
> To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
> Cc: <tacgps@lists.tapr.org>
> Sent: Wednesday, June 26, 2002 5:07 PM
> Subject: [aprssig] How many GPS receivers left?
>
>
> > Just talked to Billy at B.G. Micro.
> >
> > They started with over 800 SVeeSix-CM3 receivers
> > available and are now down to 189.
> >
> > 73 de w9gb
> >
> > ---
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> >
>
> ---
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>
>
> ---
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Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

961. [aprssig] smart beacon kenwood sucess!

From: "Wes Johnston" <wes@johnston.net>
Date: Wed, 26 Jun 2002 22:35:55 -0400
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-87159-2002.06.28-18.25.36--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Yay!! first live test tonight.... I got smart beaconing to work on my
kenwood d700!! Rode around the block and it pegged all the corners! There
was a delay on one of the corners due to CDMA, but the kenwood was ready to
TX as soon as the channel cleared.

I've bought a 3/32" stereo extension cord for a cellphone from rat shack,
hacked it in two to get a male and female plug to insert in line with the

d700 GPS. In this way, the Basic stamp and the kenwood both see the GPS output and the kenwood is still able to upload waypoints to the GPS. I then wired one of the basic stamp outputs to pin 3 on the kenwood so I could send commands like BCN 0 and PS 1. I've also included pin 8 on the serial port of the kenwood as an on off indicator so that in the future I could power the radio on and off via software. I have been able to manually switch it on and off via software, just need to tweek the smart beacon program to add the timer for it to be fully automatic.

I tried this with pic basic pro on a 16f84 at various clock speeds from 4mhz to 20mhz with no luck reading the GPS reliably. Although the pic is cheaper, PBP's compiler is just not able to produce effecient enough code to read the continuous stream of data from the GPS. Perhaps a '876 with a hardware USART will be in the future version - because it's cheaper than a stamp. I have found a company which makes a thru-hole parallax licensed basic stamp2 for $31 and the stamp2sx for $39 ($20 cheaper than parallax). http://www.hvwtech.com/stampstack.htm . Soooo.... you can add smart beaconing to your kenwood radio for the price of a $31 basic stamp2. The interface to the gps and kenwood so far has required one resistor in addition to the basic stamp 2.

In a few more days I'll tweak some more and post a schematic and source code.

Wes

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Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

---
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To unsubscribe send a blank email to leave-aprssig-842K@lists.tapr.org
Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

962. [aprssig] Findu backup status?

From: "Ken Mirabella" <kjm@powerwerx.com>
Date: Fri, 28 Jun 2002 16:27:49 -0700
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: "'TAPR APRS Special Interest Group'" <aprssig@lists.tapr.org>
Message-ID: <LYR842-87162-2002.06.28-19.05.29--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Greetings:

It was my impression that after Dayton we were going to get a recap / update on the findu backup server project. Did this come out and I missed it?

Anyone know the status?

73, ken, KM6YH

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Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

963. [aprssig] Interesting looped packets

From: Dale Heatherington <dale@wa4dsy.net>
Date: Fri, 28 Jun 2002 20:03:01 -0400
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-87165-2002.06.28-19.40.42--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

My experimental aprsd215 with full path tracing
enabled has logged these two packets
in the looped packet file. They were first received
from first.aprs.net then went back out and returned
from KG4JAC-2. He's running tk_aprs 0.6 . He seems to
have inserted "TCPIP,KG4JAC-2*" into the path. Also,
the packet is raw 3rd party data (starts with "}").
Weird....

```
Fri Jun 28 18:30:13 2002
}KG4HYA-9>APK101,W4FRC-10,WC4PEM-14*,WIDE,qAS,first2C9,TCPIP,KG4JAC-2*,KG4JAC-2*::KF4TLJ-4 :comitted{Z

Fri Jun 28 18:46:03 2002
}NA4AR>APW261,N4PK-10,WIDE,WIDE,qAS,first2C9,TCPIP,KG4JAC-2*,KG4JAC-2*::WB4PBF   :ack026
```

--
Dale Heatherington
Web Page http://www.wa4dsy.net
Sent by KMail for Linux

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964. [aprssig] Re: How many GPS receivers left?

From: "Gregory Beat" <gregory.beat@attbi.com>
Date: Fri, 28 Jun 2002 19:15:38 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: <tacgps@lists.tapr.org>
Message-ID: <LYR842-87170-2002.06.28-19.53.21--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Jim -

Take your choice of which surplus GPS OEM receiver you would like.
(They all will do NEMA, either out of the box or after programming or configuration)

B.G. Micro has the Trimble SV-6-CM3 model with a small antenna ($ 25)

In the $ 30 to 35 range you can get an 8 channel receiver on eBay
(and a better timing receiver)

The eBay seller (footsix) has had a number of Trimble Lassen SK-8 receivers for sale for past 3 weeks.
http://cgi.ebay.com/ws/eBayISAPI.dll?ViewItem&item=1363127510

And if you want the Oncore GT Plus (like I just purchased for $ 31)
http://cgi.ebay.com/ws/eBayISAPI.dll?ViewItem&item=1362506618

Take your choice, nice choice of antennas, as well

73 de w9gb
Greg

----- Original Message -----
From: "Jim Scott" <jamesescott@adelphia.net>
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: <tacgps@lists.tapr.org>
Sent: Wednesday, June 26, 2002 4:32 PM
Subject: [aprssig] Re: How many GPS receivers left?

> Has anyone confirmed if these put out NMEA information?
> jim
> n8orj
> ----- Original Message -----
> From: <gregory.beat@attbi.com>
> To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
> Cc: <tacgps@lists.tapr.org>
> Sent: Wednesday, June 26, 2002 5:07 PM
> Subject: [aprssig] How many GPS receivers left?
>
>
> > Just talked to Billy at B.G. Micro.
> >
> > They started with over 800 SVeeSix-CM3 receivers
> > available and are now down to 189.
> >
> > 73 de w9gb
> >
> > ---
> > You are currently subscribed to aprssig as: jamesescott@adelphia.net
> > To unsubscribe send a blank email to leave-aprssig-842K@lists.tapr.org

> > Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org
> >
>
> ---
> You are currently subscribed to aprssig as: joecotton@mac.com
> To unsubscribe send a blank email to leave-aprssig-842K@lists.tapr.org
> Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org
>
>
> ---
> You are currently subscribed to aprssig as: gregory.beat@attbi.com
> To unsubscribe send a blank email to leave-aprssig-842K@lists.tapr.org
> Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org
>
>

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---

965. [aprssig] Welcome to Canada - was "Long Trip"

From: "John Langtry, VE3NEC" <ve3nec@sympatico.ca>
Date: Fri, 28 Jun 2002 23:40:04 -0400
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: aprssig@lists.tapr.org
Message-ID: <LYR842-87196-2002.06.28-23.17.39--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Greetings Roger, (and the rest of the SIG)

Once you cross the boarder between our Nations, yes you will find that there are *many* differences in both our Culture, Language, and indeed the application of H.R.H.'s Laws.

We are some what "laid back" (from your Government's point of view) as well as many members of the SIG, who are really "hung up" over the rules (and are ready to quote you chapter and verse of part 97 of your FCC rules and other international rules). But let's be *real* here, for a minute.

I would recommend, that you use just your U.S. call "k1pns-14" as your call for your Position - anything else is just going to cause confusion downstream as IGates and other systems try to parse your information.

If you want to be "squeaky clean"; then you could add to your Beacon text "Motorcycle mobile in VE6 land" or some such. If you beacon that every *half hour*, that meets our Canadian Industry Canada (DOC) requirements.

Remember, up here every Radio Officer (with DOC) is also a "ham" ... and while "Hey, while your APRS position in AX.25 is not "internationally" recognized as an offical replacement for other written rules on identification; it's still cool. If an R.O. happens to be monitoring the Amateur frequencies, not likely, as they are very short staffed and have a plate full with cable companies, cellphone companies, commercial stations and broadcasters, it's not likely that you're even going to be even monitored. Obvious violations, like transmitting outside of the Amateur bands, spurrious emissions, or "profanity" *might* get their attention - more likely it would be a Canuck ham that catches the above and then report first to you, (as licencee of the station) and if ignored then to I.C. for action.)

So, relax, enjoy your ride and Enjoy Canada !!! Remember too, that two dollars U.S. is about equal to three Canuck bucks - which BTW are coins ! (The one and two dollar notes have long been removed from circulation to the general public.)

And what better, after a long day's ride, is to try a *real* Canadian beer ? (Once tasted, you're hooked, and will never have an 807 other than one that comes from Canada !) In itself that should make up for our governments' disagreements over softwood lumber ! <g> But once tasted, don't even *think* of ridin' your "mount" in my Country !!! Canada has some of the strictest (rightly so) rules about "drinking and driving" (ridin')

in the World ! The snag here is, if you get caught, not only will
you be fined, and possibly "deported" - *but* worse, Canada has
an agreement with the U.S. authorities ... You'll be paying a
huge amount for your bike and car/truck insurance for many
years to come, if you're caught up here, for "drinking & ridin" !

Enjoy the freedom (and be aware of your responsibilites) while
ridin' through my Country !

Your brother on two, vy 73 de John VE3NEC
905-873-8715

---
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966. [aprssig] Re: Findu backup status?

From: Robbie <mwrobertson@attbi.com>
Date: Fri, 28 Jun 2002 22:43:48 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: TAPR APRS Special Interest Group <aprssig@lists.tapr.org>
Message-ID: <LYR842-87198-2002.06.28-23.21.47--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Last night at 9:30, Guy Story posted an update with more to
follow, :-)

Robbie, wa9inf

Ken Mirabella wrote:
>
> Greetings:
>
> It was my impression that after Dayton we were going to get a recap /
> update on the findu backup server project. Did this come out and I
> missed it?
>
> Anyone know the status?
>
> 73, ken, KM6YH
>
> ---
> You are currently subscribed to aprssig as: mwrobertson@attbi.com
> To unsubscribe send a blank email to leave-aprssig-842K@lists.tapr.org
> Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

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967. [aprssig] Re: Kantroincs DIgipeaters

From: "M. Schneider" <msokla@brightok.net>
Date: Sat, 29 Jun 2002 00:39:31 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: <wa4mjf@worldnet.att.net>
Message-ID: <LYR842-87224-2002.06.29-01.13.12--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Ron,

What is "K-Net 8.0"? Is this another flavor of APRS? Or packet, or what?

Mark
K5MAR
Grid Sq. EM16ld
Standing by on 145.35 (-600) & 144.39
Coming soon: STLWTR (K5SRC-1) WIDEN-N digi!

>
> --
>
> Subject: Re: Kantroincs DIgipeaters
> From: "Ronald Reams" <wa4mjf@worldnet.att.net>
> Date: Fri, 28 Jun 2002 12:15:28 -0400
> X-Message-Number: 13
>
> Also, label on top sez either KPC-3 or KPC-3P

```
>
> I've been goin' through my box of chips that were
> pulled when K-Net chips were put in and I can't
> find any that have KPC-3 with a Ver 8.x.
>
> I find KPC-3P chips in version 8.2 (1997) and
> version 8.3 (1999).  The ones we order now come from
> factory with K-Net 8.0 in them.
>
> 73 de Ronnie
>



---
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```

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968. [aprssig] Pic protoboards

From: "Wes Johnston" <wes@johnston.net>
Date: Sat, 29 Jun 2002 02:11:49 -0400
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-87240-2002.06.29-01.49.43--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

```
I just got my Basic Stamp II sx in from the vendor tonight and soldered it
together.  It went very very well and I now have a stamp for $20 less than
parallax charges.  Tomorrow I'll put the smart beacon code on it.

In the mean time, they sent a catalog and I saw a pic protoboard in there.
I didn't realize such a creature existed.  $9 for 16f84's and $14 for
'876's.  They are already set up to install your 7805's, crystals or
resonators, and come with a holes for a DB9 or DB25.  Silkscreened and
labeled well.  Boy if it'd only known this, i'd spent alot less time making
the same "xtal here, MCLR here, power, grounds" on radio shack perfboards in
the past several months.

Wes


---
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```

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969. [aprssig] RE: Pic protoboards <LYR19806-87240-2002.06.29-01.49.43--ssbrockw#swbell.net@lists.tapr.org>

From: Steve <ssbrockw@swbell.net>
Date: Sat, 29 Jun 2002 02:00:37 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-87243-2002.06.29-02.38.11--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

```
> I just got my Basic Stamp II sx in from the vendor tonight ...
> In the mean time, they sent a catalog and I saw a pic protoboard in there.
> I didn't realize such a creature existed.  $9 for 16f84's and $14 for
> '876's.

So who is the vendor?


---
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```

---

970. [aprssig] RE: Findu backup status?

From: "Bob D." <n2iph@comcast.net>
Date: Sat, 29 Jun 2002 05:48:01 -0400
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-87244-2002.06.29-05.25.46--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

```
Yes, you missed it, appeared in the June 27 digest.
(copied below)
73...Bob, N2IPH
```

```
---------snip--------
Subject: findu.com backup server has been ordered
From: "Guy Story, KC5GOI" <kc5goi@kc5goi.net>
Date: Thu, 27 Jun 2002 21:30:45 -0500
X-Message-Number: 43

Hello everyone.  I know this has been a burning question for everyone
envolved
and made donations.  The findu.com backup server was ordered tonight.
I will
post the specs when it arrives with an estimated time frame on when it
will
be online.  I aplolgize for the delays.  I do need the gentleman who
represent DWR race support to contact me off the sig.  Congradulations
to
everyone who made donations.  We exceeded $5000 dollars.  I plan to
update
the web site with the rest of the names and the total amount raised on
sunday
evening.

Thank you to all envolved and those you volunteered to help out.  You
guys
have made this possible and you will be pleases with what you get in
return.

We followed Steve recommendations with the exception of a RAID array
and tape
backup.  The machine will not have it's full memory installed.  Dell
is proud
of the prices on their memory upgrades.  We are going to obtain that
at a
lower price locally.  It will allow for more memory for the same
price.
Target is 1 gig of ram.  The rest of the specs will be posted when the
system
arrives.

73
--
Guy Story, KC5GOI
Itel-Tigerbyte LLC
gstory@tigerbyte.com
940.891.4575
---------snip--------

------You wrote----------
Subject: Findu backup status?
From: "Ken Mirabella" <kjm@powerwerx.com>
Date: Fri, 28 Jun 2002 16:27:49 -0700
X-Message-Number: 25


Greetings:

It was my impression that after Dayton we were going to get a recap /
update on the findu backup server project. Did this come out and I
missed it?

Anyone know the status?

73, ken, KM6YH



---
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```

971. [aprssig] RE: Pic protoboards <LYR19806-87240-2002.06.29-01.49.43--ssbrockw#swbell.net@lists.tapr.org>

From: "John D. Kerr" <jdkerr@projectx.com>
Date: Sat, 29 Jun 2002 07:46:51 -0400
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-87246-2002.06.29-07.25.55--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Steve..

There are a number of PIC Proto boards out there, depending on the processor you are running. I have designed two such boards, one for 28-pin processors (such as the Microchip 16F873 and family. The second board, designed for 24-pin BasicStamp type processors (such as the NetMedia BasicX-24 and the Parallax BASIC Stamp 2, Stamp 2e Stamp 2sx and Stamp 2SX Plus.

Each of these can be found on eBay at:
- http://cgi.ebay.com/ws/eBayISAPI.dll?ViewItem&item=1743861933
- http://cgi.ebay.com/ws/eBayISAPI.dll?ViewItem&item=1743862299

Or.. If you can't wait for an auction deal, they can be ordered at:
www.projectx.com under "Placing an Order".

john

-----Original Message-----
From: bounce-aprssig-14500@lists.tapr.org
[mailto:bounce-aprssig-14500@lists.tapr.org] On Behalf Of Steve
Sent: Saturday, June 29, 2002 3:01 AM
To: TAPR APRS Special Interest Group
Subject: [aprssig] RE: Pic protoboards
<LYR19806-87240-2002.06.29-01.49.43--ssbrockw#swbell.net@lists.tapr.org>

> I just got my Basic Stamp II sx in from the vendor tonight ... In the
> mean time, they sent a catalog and I saw a pic protoboard in there. I
> didn't realize such a creature existed. $9 for 16f84's and $14 for
> '876's.

So who is the vendor?

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972. [aprssig] Re: PCsat Load test

From: Bob Bruninga <bruninga@usna.edu>
Date: Sat, 29 Jun 2002 08:22:16 -0400 (EDT)
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: aprssig@lists.tapr.org
Message-ID: <LYR842-87249-2002.06.29-08.00.05--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

On Fri, 28 Jun 2002, Matt Steinhoff wrote:

>   If I had but one wish, it would be that you pick a path and
> stick with it no matter what. I know that W3AD0-1 will work all
> the time but on a number of occasions you have said not to use
> that because of low power. So, users have to guess which
> combination of RELAY, WIDE, ARISS, NOCALL, etc. is active for
> the day.

Yes, I agree. That is one thing I hate about sats too is that they must be in the same mode ALL the time or users get frustrated..

Thanks
bob

>   It's a real shame that PCSat is so flaky. The concept is
> awesome but the execution leaves a lot to be desired. I can't
> wait until there is a PCSat version 2.0 that addresses the bad
> solar cell, has a larger battery and a static path.
>
>   Matt (k4mls)
>
>

> --
> Date: Thu, 27 Jun 2002 17:43:38 -0400 (EDT)
> From: Bob Bruninga <bruninga@usna.edu>
>
> > Since we blew it for fieldday (low bats), PCsat has just never
> > gotten a full user load to prove its ability to support hundreds
> > of users per pass. Before it goes back into maximum ecllipses, I
> > would like to load it with as MANY different users as we can.
>
> ARGH! We were one day too late. PCsat was back into 29% eclipses
> today, and it reset and we didnt catch it in time so the batteries
> are too low to keep it programmed. The first pass of the test, I
> got her into low power, but too much risk to try to load everything
> else. Batteries were already too low. SO the only digipeating
> callsign that would work today was via W3ADO-1.
>

de WB4APR@amsat.org, Bob

```
PCsat WEB  page     http://www.ew.usna.edu/~bruninga/pcsat.html
ISS-APRS FAQ:       http://www.ew.usna.edu/~bruninga/iss-faq.html
CUBESAT Designs     http://www.ew.usna.edu/~bruninga/cubesat.html
APRS LIVE pages     http://www.ew.usna.edu/~bruninga/aprs.html
APRS SATELLITES     http://www.ew.usna.edu/~bruninga/astars.html
MIM/Mic-E/Mic-Lite  http://www.toad.net/~wclement/bruninga/mic-lite.html
```

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---

973. [aprssig] Re: Colorado Front range DIgipeaters

From: Bob Bruninga <bruninga@usna.edu>
Date: Sat, 29 Jun 2002 08:56:40 -0400 (EDT)
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: TAPR APRS Special Interest Group <aprssig@lists.tapr.org>,
        <RM-APRS@yahoogroups.com>
Message-ID: <LYR842-87251-2002.06.29-08.34.25--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

On Fri, 28 Jun 2002, George Kammerzell wrote:
> All colorado front range digi owners , please send me back the form
> below so I can make a good map for http://www.rmaprs.org/maps.html

Can they also indicate if ID or NOID is set? and if ID is set to change
the overlay character to an "I" so that users can know what is in use?

WIthout this overlay, digis with "ID" work completely different from other
digis with "NOID" set and users need to know the difference.

```
NOID:  "K4HG>CQ,DIGIx*,WIDE2-2"  indicates FIRST digi was DIGIx
ID:    "K4HG>CQ,DIGIx*,WIDE2-2"  indicates LAST digi was DIGIx
```

So you see unless we know what digis are "I" digis, no one knows how to
interpret paths..

Thanks

de WB4APR@amsat.org, Bob

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---

974. [aprssig] Re: Kantroincs DIgipeaters

From: "Ronald Reams" <wa4mjf@worldnet.att.net>
Date: Sat, 29 Jun 2002 09:00:19 -0400
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-87253-2002.06.29-08.38.21--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

K-Net is Kantronics version of TheNet. We use it for Nodes
in our SEDAN and PBBS System. Our club doesn't have any
APRS stations. I do, however, have a 30<> 2 Meter APRS Gateway
and an APRSDat Station.

73 de Ronnie

----- Original Message -----
From: "M. Schneider" <msokla@brightok.net>
To: "APRS SIG" <aprssig@lists.tapr.org>
Cc: <wa4mjf@worldnet.att.net>
Sent: Saturday, June 29, 2002 01:39
Subject: Re: Re: Kantroincs DIgipeaters

Ron,

What is "K-Net 8.0"? Is this another flavor of APRS? Or packet, or what?

Mark
K5MAR
Grid Sq. EM16ld
Standing by on 145.35 (-600) & 144.39
Coming soon: STLWTR (K5SRC-1) WIDEN-N digi!

You are currently subscribed to aprssig as: lyris.aprssig@tapr.org
To unsubscribe send a blank email to leave-aprssig-842K@lists.tapr.org
Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

975. [aprssig] Another new satellite

From: Bob Bruninga <bruninga@usna.edu>
Date: Sat, 29 Jun 2002 09:44:44 -0400 (EDT)
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-87254-2002.06.29-09.22.26--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

This is just an alert to any on the APRS sig that dont keep up with satelites, but there is a new satellite in orbit (not for APRS), but very popular if you have VHF/UHF all mode. It is AO-7

AO-7 is over 27 years old, and died in the 80's, but last week or so it has come back to life randomly. It was one of the best AMSATS because it has a full linear transponder and can support many SSB and CW QSO's. And it only takes a few watts to hit it..

It seems to come on randomly about half the orbits or so...

ANyway, I just thought I would share the exceitment that is keeping everyone entertained over on the AMSAT sig. There is no APRS application and FM is not desired on this satellite, so no need to clutter APRSSIG with email. Just search for AO-7 or OSCAR-7 becuse in the last week or so, many new WEB pages have popped up to support the interest..

But with all those little VHF/UHF all mode rigs these days, it is very exciting to work a satellite

de WB4APR@amsat.org, Bob

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976. [aprssig] RE: Findu backup status?

From: "Spider" <spider@rivcom.net>
Date: Sat, 29 Jun 2002 06:46:11 -0700
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-87257-2002.06.29-09.24.20--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

I do need the gentleman who
> represent DWR race support to contact me off the sig.

Guy, Tag! Your it!

Jim, WA6OFT

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977. [aprssig] RE: Another new satellite

From: "Andrew Rich" <andrew.rich@bigpond.com>
Date: Sat, 29 Jun 2002 23:56:55 +1000
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-87259-2002.06.29-09.34.35--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

what freq ?

-----Original Message-----
From: bounce-aprssig-23621@lists.tapr.org
[mailto:bounce-aprssig-23621@lists.tapr.org]On Behalf Of Bob Bruninga
Sent: Saturday, 29 June 2002 23:45
To: TAPR APRS Special Interest Group
Subject: [aprssig] Another new satellite

This is just an alert to any on the APRS sig that dont keep up with satelites, but there is a new satellite in orbit (not for APRS), but very popular if you have VHF/UHF all mode. It is AO-7

AO-7 is over 27 years old, and died in the 80's, but last week or so it has come back to life randomly. It was one of the best AMSATS because it has a full linear transponder and can support many SSB and CW QSO's. And it only takes a few watts to hit it..

It seems to come on randomly about half the orbits or so...

ANyway, I just thought I would share the exceitment that is keeping everyone entertained over on the AMSAT sig. There is no APRS application and FM is not desired on this satellite, so no need to clutter APRSSIG with email. Just search for AO-7 or OSCAR-7 becuse in the last week or so, many new WEB pages have popped up to support the interest..

But with all those little VHF/UHF all mode rigs these days, it is very exciting to work a satellite

de WB4APR@amsat.org, Bob

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Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

978. [aprssig] Re: Colorado Front range DIgipeaters

From: Bob Bruninga <bruninga@usna.edu>
Date: Sat, 29 Jun 2002 10:01:30 -0400 (EDT)
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: TAPR APRS SIG <aprssig@lists.tapr.org>
Message-ID: <LYR842-87260-2002.06.29-09.39.37--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

On Sat, 29 Jun 2002 k9soa@att.net wrote:

> What is the difference between the ID and NOID?
> Your examples are exactly the same.

Yes, that is the whole problem. Users cannot tell the difference at all, yet the interpretation of the packet is entirely different. Not an issue with locals, but makes APRS for travelers and anyone via the internet clueless.

> For setting ID/NOID is there any preference?

Yes it should be NOID, the default. If the SYSOP sets ID to ON, then that digipeater inserts its OWN call in every packet and overwrites any previous path data. This loses important info.. It is more importatn to know the first digi used by packet than the last (the last is usually the one near you, and you alredy konw that)..

So having NOID is best and serves the users and the network best, because it asures that packets arrive everywhere with the identification of the first digi intact. This allows for all kinds of benefits.

Conversly, Having "ID" set is thought by some SYSOPS to be best, because then as they drive around, they can see what packets were last digipeated by their own digis. Yes, good for digi coverage studies, but since this can be done EQUALLY well by just sending any packet via TRACE, it seems a shame to have this enabled ALL the time at the expense of the users or the network.

Problem is, it is the SYSOP that gets to set it the way he wants...
So I have given up arguing with those that prefer ID ON and only ask that they at least identify their digi's with the "I" overlay character so that users will konw how to interpret packets.

Othewise, users have no clue which way to intepret these packets:

```
> NOID:  "K4HG>CQ,DIGIx*,WIDE2-2"  indicates FIRST digi was DIGIx
> ID:    "K4HG>CQ,DIGIx*,WIDE2-2"  indicates LAST digi was DIGIx
```

de WB4APR, Bob

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979. [aprssig] RE: Another new satellite

From: Bob Bruninga <bruninga@usna.edu>
Date: Sat, 29 Jun 2002 10:04:20 -0400 (EDT)
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: TAPR APRS Special Interest Group <aprssig@lists.tapr.org>
Message-ID: <LYR842-87261-2002.06.29-09.42.05--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

On Sat, 29 Jun 2002, Andrew Rich asked about AO-7

> what freq ?

```
   Two to ten meter translator.
           Input 145.850 to 145.950 mHz
           Output 29.40 to 29.50 mHz

        70 cm to two meter translator.
           Input 432-125 to 432-175 offs
           Output 145.975 to 145.925 mHz
           Output passband is INVERTED.
           Beacon output at 145.975 mHz
```

> Subject: [aprssig] Another new satellite
>
>
> This is just an alert to any on the APRS sig that dont keep up with satelites, but there is a new satellite in orbit (not for APRS), but very popular if you have VHF/UHF all mode. It is AO-7
>
> AO-7 is over 27 years old, and died in the 80's, but last week or so it has come back to life randomly. It was one of the best AMSATS because it has a full linear transponder and can support many SSB and CW QSO's. And it only takes a few watts to hit it..
>
> It seems to come on randomly about half the orbits or so...
>
> ANyway, I just thought I would share the exceitment that is keeping everyone entertained over on the AMSAT sig. There is no APRS application and FM is not desired on this satellite, so no need to clutter APRSSIG with email. Just search for AO-7 or OSCAR-7 becuse in the last week or so, many new WEB pages have popped up to support the interest..

>
> But with all those little VHF/UHF all mode rigs these days, it is very
> exciting to work a satellite
>
> de WB4APR@amsat.org, Bob
>
>
> ---
> You are currently subscribed to aprssig as: andrew.rich@bigpond.com
> To unsubscribe send a blank email to leave-aprssig-842K@lists.tapr.org
> Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org
>

de WB4APR@amsat.org, Bob

PCsat WEB page	http://www.ew.usna.edu/~bruninga/pcsat.html
ISS-APRS FAQ:	http://www.ew.usna.edu/~bruninga/iss-faq.html
CUBESAT Designs	http://www.ew.usna.edu/~bruninga/cubesat.html
APRS LIVE pages	http://www.ew.usna.edu/~bruninga/aprs.html
APRS SATELLITES	http://www.ew.usna.edu/~bruninga/astars.html
MIM/Mic-E/Mic-Lite	http://www.toad.net/~wclement/bruninga/mic-lite.html

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980. [aprssig] FW: Colorado Front range DIgipeaters

From: "george kammerzell n0zed" <n0zed@rmaprs.org>
Date: Sat, 29 Jun 2002 09:16:36 -0600
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-87274-2002.06.29-10.51.59--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

-----Original Message-----
From: george kammerzell [mailto:gkammerzell@microlink-d.com]
Sent: Saturday, June 29, 2002 9:01 AM
To: TAPR APRS Special Interest Group
Cc: RM-APRS@yahoogroups.com
Subject: RE: [aprssig] Colorado Front range DIgipeaters

Bob , all , right now I just was to come up with a graphical map like what is posted now , but showing the projected coverage of the digis for the web site. we have the three there now. I was talking to n0wbw about plugging our digis into MicroPath , and then thought would in not be neat to get all the Rockies front range digis plugged in and have a look of what the coverage from them should be and in spare time maybe do a little drive testing , like we did when building the early cell system , to compare real life with MicroPath's thinking

-----Original Message-----
From: Bob Bruninga [mailto:bruninga@usna.edu]
Sent: Saturday, June 29, 2002 6:57 AM
To: George Kammerzell
Cc: TAPR APRS Special Interest Group; RM-APRS@yahoogroups.com
Subject: Re: [aprssig] Colorado Front range DIgipeaters

On Fri, 28 Jun 2002, George Kammerzell wrote:
> All colorado front range digi owners , please send me back the form
> below so I can make a good map for http://www.rmaprs.org/maps.html

Can they also indicate if ID or NOID is set? and if ID is set to change the overlay character to an "I" so that users can know what is in use?

WIthout this overlay, digis with "ID" work completely different from other digis with "NOID" set and users need to know the difference.

NOID: "K4HG>CQ,DIGIx*,WIDE2-2" indicates FIRST digi was DIGIx
ID: "K4HG>CQ,DIGIx*,WIDE2-2" indicates LAST digi was DIGIx

So you see unless we know what digis are "I" digis, no one knows how to interpret paths..

Thanks

de WB4APR@amsat.org, Bob

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981. [aprssig] RE: Pic protoboards

From: "Wes Johnston" <wes@johnston.net>
Date: Sat, 29 Jun 2002 11:31:32 -0400
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-87278-2002.06.29-11.09.23--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Sorry.... it was 2am... i forgot....

www.melabs.com or www.hvwtech.com

Wes
----- Original Message -----
From: "Steve" <ssbrockw@swbell.net>
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Sent: Saturday, June 29, 2002 3:00 AM
Subject: [aprssig] RE: Pic protoboards
<LYR19806-87240-2002.06.29-01.49.43--ssbrockw#swbell.net@lists.tapr.org>

>
> > I just got my Basic Stamp II sx in from the vendor tonight ...
> > In the mean time, they sent a catalog and I saw a pic protoboard in
there.
> > I didn't realize such a creature existed. $9 for 16f84's and $14 for
> > '876's.
>
> So who is the vendor?
>
>
> ---
> You are currently subscribed to aprssig as: kd4rdb@netzero.com
> To unsubscribe send a blank email to leave-aprssig-842K@lists.tapr.org
> Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org
>
>

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982. [aprssig] KPC3 ID/NOID settings

From: Mark Cheavens <mcheavens@usa.net>
Date: Sat, 29 Jun 2002 11:40:45 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-87283-2002.06.29-12.18.08--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Furthermore the KPC3 (version 8.2 rom) has packet duplication problems. I have been playing with my first KPC3's (I just got two of them) and now have been able to see exactly what is going on. I have determined that KPC3's should NOT be used in metro markets where more than one digi might hear a packet directly! It's packet duplication routine does NOT work. It might be ok in an area where it is serving as a way for two digi's to talk to one another or in a low volume area. Here is a link to some packets and a screen

There are some other files that many of you might be interested in.

http://www.cheavens.com/mark/radio/packetradio

KPC3packetduplication.doc is the description and comments about KPC's and packet duplication

W5MAYkpc3digiCarlsCornerpublic.txt is the config file for (one of) the KPC3's used during this test.

PHGAPRS.xls is the PHG range circle RADIUS spreadsheet. If you put in the PHG numbers that you THINK you should use. It will give you the circles

RADIUS in miles. Useful to use to make the correct PHG numbers for a digi.

25Packets-Preemphasized-Audio.wav This is the file that I play in loop mode
on my computer and feed the output of my computer into my service monitor
for checking the decode performance of a digipeater with a service monitor.
The audio is pre-emphasized at 6db per octave as it should be so that you
can scientifically test for changes when tuning the receiver and tnc. Find
the point on the attenuator where you both START to decode packets
(threshold) and where you are decoding 100% of the packets.

There are also versions of this with FLAT audio, but this should NOT be
used in NORMAL AFSK situations. I use it as a quick test to see if someone
is using descriminator audio with no de-emphasis network.

From a previous post someone mentioned that there are multiple versions of
the KPC3 (not plus) 8.2 software. How do you determine which build it is?
If I do a VER command I get KPC3-3F427265-8.2

Mark Cheavens
KC5EVE

> > For setting ID/NOID is there any preference?
>Yes it should be NOID, the default. If the SYSOP sets ID to ON, then that
>digipeater inserts its OWN call in every packet and overwrites any
>previous path data. This loses important info.. It is more importatn
>to know the first digi used by packet than the last (the last is
>usually the one near you, and you alredy konw that)..
>
>So having NOID is best and serves the users and the network best, because
>it asures that packets arrive everywhere with the identification of the
>first digi intact. This allows for all kinds of benefits.
>
>Conversly, Having "ID" set is thought by some SYSOPS to be best, because
>then as they drive around, they can see what packets were last digipeated
>by their own digis. Yes, good for digi coverage studies, but since this
>can be done EQUALLY well by just sending any packet via TRACE, it seems a
>shame to have this enabled ALL the time at the expense of the users or the
>network.
>
>Problem is, it is the SYSOP that gets to set it the way he wants...
>So I have given up arguing with those that prefer ID ON and only ask
>that they at least identify their digi's with the "I" overlay character so
>that users will konw how to interpret packets.
>
>Othewise, users have no clue which way to intepret these packets:
>
> > NOID: "K4HG>CQ,DIGIx*,WIDE2-2" indicates FIRST digi was DIGIx
> > ID: "K4HG>CQ,DIGIx*,WIDE2-2" indicates LAST digi was DIGIx
>
>de WB4APR, Bob

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983. [aprssig] Re: KPC3 ID/NOID settings

From: greg@clubnet.net
Date: Sat, 29 Jun 2002 10:23:18 -0700
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-87285-2002.06.29-13.04.48--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

The inadequate packet duplication checking algorithm of the KPC-3/KPC-3+
is the main reason the SysOps in Southern California decided to
configure the LA metro area digis to respond only to WIDEn-N and
TRACEn-N. The algorithm only checks for duplicate packets that are
addressed to digipeaters names defined by the UIFLOOD and UITRACE
(typically WIDEn-N and TRACEn-N) parameters of the TNC. It DOES NOT
check for generic RELAY or WIDE.

In metro LA, with its overlapping digi coverage areas, it is quite
possible for a station to be simultaneously received and digipeated by 4
different digis. You can imagine the nightmare that would occur if a
packet addressed to RELAY,WIDE,WIDE were heard by four KPC3-based digis
that responded to RELAY and WIDE.

One potential solution is to move from the KPC3-based digi to a TNC-2

using UIDIGI firmware. When I first started using UIDIGI a couple of
years ago (version 1.8 Beta 6), the duplication algorithm wasn't
perfect, but was far superior to the algorithm of the KPC-3. Marco
(UIDIGI author) has recently released version 1.8 (non-Beta) and may
have taken care of the remaining issues.

Greg
WB6ZSU

On Saturday, June 29, 2002, at 09:40 AM, Mark Cheavens wrote:

> Furthermore the KPC3 (version 8.2 rom) has packet duplication problems.
> I have been playing with my first KPC3's (I just got two of them) and
> now have been able to see exactly what is going on. I have determined
> that KPC3's should NOT be used in metro markets where more than one
> digi might hear a packet directly! It's packet duplication routine does
> NOT work. It might be ok in an area where it is serving as a way for
> two digi's to talk to one another or in a low volume area. Here is a
> link to some packets and a screen

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984. [aprssig] RE: Pic protoboards

From: David VanHorn <dvanhorn@cedar.net>
Date: Sat, 29 Jun 2002 12:40:51 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-87286-2002.06.29-13.18.17--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

They do protoboards like that for the AVRs too.
www.dontronics.com and a few others.

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---

985. [aprssig] Re: KPC3 ID/NOID settings

From: Mark Cheavens <mcheavens@usa.net>
Date: Sat, 29 Jun 2002 13:47:17 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-87290-2002.06.29-14.24.41--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

I have been using only UI code for a couple years in SE Texas. I just came
across a couple of KPC's at the correct price recently. I am VERY impressed
with there ability to decode packets WAY down in the noise floor. Better
than I would have expected possible. My next plan is to either duplicate
the filtering used in the KPC for use in a TNC-2 OR is anyone interested in
clean room reverse engineering the KPC firmware?

It CAN be done...but has to be done right to prevent legal action. The best
solution would be to have Kantronics FIX their code or release the
source......If FIXED I would BUY it (and more of their hardware).

I am also looking for a single board PC that has a boot rom (no moving
parts) to run Digi-Ned from. This would be a quick fix for the KPC's.

Does anyone have any contacts at Kantronics and has anyone talked to them
about it?

Mark Cheavens
KC5EVE

One potential solution is to move from the KPC3-based digi to a TNC-2 using
UIDIGI firmware. When I first started using UIDIGI a couple of years ago
(version 1.8 Beta 6), the duplication algorithm wasn't perfect, but was far
superior to the algorithm of the KPC-3. Marco (UIDIGI author) has recently
released version 1.8 (non-Beta) and may have taken care of the remaining issues.

```
---
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```

986. [aprssig] Re: KPC3 ID/NOID settings

From: Earl Needham <needhame@yucca.net>
Date: Sat, 29 Jun 2002 13:36:24 -0600
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-87291-2002.06.29-15.14.10--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

```
At 01:47 PM 6/29/2002 -0500, Mark Cheavens wrote:
>I have been using only UI code for a couple years in SE Texas. I just came
>across a couple of KPC's at the correct price recently. I am VERY
>impressed with there ability to decode packets WAY down in the noise
>floor. Better than I would have expected possible. My next plan is to
>either duplicate the filtering used in the KPC for use in a TNC-2 OR is
>anyone interested in clean room reverse engineering the KPC firmware?
>
>It CAN be done...but has to be done right to prevent legal action. The
>best solution would be to have Kantronics FIX their code or release the
>source......If FIXED I would BUY it (and more of their hardware).

         My opinion of a better solution is to run the KPC in KISS mode and
use one of the computerized digipeater programs.  That way, you get the
sensitivity of the KPC-3's modem, along with the configurability of the
computer.

         I doubt they will EVER release their source code.

         7 3
         Earl


Earl Needham, KD5XB, Clovis, New Mexico  DM84jk
KD5XB-2>APW251,PCSAT-1*:=3425.83N/10313.55W-PHG7150/WinAPRS 2.5.1
-EARL_CLOVIS -251-<630>
Did you get a letter from Nigeria offering a "deal"?  See
http://home.rica.net/alphae/419coal/ and
http://www.crimes-of-persuasion.com/Crimes/Business/nigerian.htm


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```

987. [aprssig] Q:KPC3+ is working as digi, but not as posit beacon

From: Daniel Wesemann <hb9zig_aprssig@cerveza.ch>
Date: Sat, 29 Jun 2002 22:12:59 +0200 (CEST)
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-87295-2002.06.29-15.50.46--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

```
Hi.

I managed to get my hands on an Kantronics KPC3+ V8.3, and would like to
use it as a standalone digi. The box is configured and running, and seems
to do its job just fine - with the one exception that the posit packets
generated by the TNC itself are not picked up by anybody, and also do
not show up on my other (AGWPE) APRS station.

Funnily enough, APRS packets *digipeated* by the TNC are working just
fine, and the TNC also works for connection into the packet network, which
sort of rules out TXLevel/TXDelay problems. I'm using static (LT/BLT)
posits, with no GPS attached.


Any hints?
Thanks && best regards,
-daniel



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```

988. [aprssig] Re: KPC3 ID/NOID settings

From: WA8LMF2@aol.com
Date: Sat, 29 Jun 2002 17:39:06 EDT
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: needhame@yucca.net
Message-ID: <LYR842-87298-2002.06.29-17.16.55--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

In a message dated 6/29/02 12:39:52 PM Pacific Daylight Time,
needhame@yucca.net writes:

> My opinion of a better solution is to run the KPC in KISS mode and
> use one of the computerized digipeater programs. That way, you get the
> sensitivity of the KPC-3's modem, along with the configurability of the
> computer.

But you lose the extremely low power consumption and "turn-on and forget"
simplicity of a ROM-based TNC-only approach. UI-DIGI on a TNC2 is great this
way -- all critical settings are "frozen in stone" and survive power outages,
accidental resets, etc.   Much better than depending on a PC at a remote
site.....

What we REALLY need is a UI-DIGI-style APRS-only replacement ROM and/or
programmed 68HCxx microcontroller for the KPC3/3+

This issue has been on threads on this list before. For those that want to
pursue the possibility of a KPC3 "brain transplant" UIDIGI-like solution, I
still have a high quality scan of the KPC3+ HARDWARE schematic on my web site
at:
    http://members.aol.com/wa8lmf/kpc3/index.htm

(Warning   3MB (!) GIF image at this address; it may fail to load in some
browsers. If it doesn't load, a link to download it as a 300K Zip file for
off-line viewing is provided)

Stephen H. Smith   wa8lmf @ aol.com
Home Page:
http://members.aol.com/wa8lmf
Ham Radio/Mobile SSTV page: http://members.aol.com/wa8lmf/ham
APRS Stuff
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Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

989. [aprssig] Re: KPC3 ID/NOID settings

From: Earl Needham <needhame@yucca.net>
Date: Sat, 29 Jun 2002 16:32:37 -0600
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-87302-2002.06.29-18.11.09--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

At 05:39 PM 6/29/2002 -0400, WA8LMF2@aol.com wrote:
>In a message dated 6/29/02 12:39:52 PM Pacific Daylight Time,
>needhame@yucca.net writes:
>
> > My opinion of a better solution is to run the KPC in KISS mode and
> > use one of the computerized digipeater programs. That way, you get the
> > sensitivity of the KPC-3's modem, along with the configurability of the
> > computer.
>
>But you lose the extremely low power consumption and "turn-on and forget"
>simplicity of a ROM-based TNC-only approach. UI-DIGI on a TNC2 is great this
>way -- all critical settings are "frozen in stone" and survive power outages,
>accidental resets, etc.   Much better than depending on a PC at a remote
>site.....

Only HALF true. Yes, it will take more power than a TNC alone, but you can set these programs up to run from a floppy, and to automatically run when the computer boots up. That will give the "turn-on and forget" simplicity" you're looking for, along with a MUCH more flexible setup.

7 3
Earl

Earl Needham, KD5XB, Clovis, New Mexico DM84jk
KD5XB-2>APW251,PCSAT-1*:=3425.83N/10313.55W-PHG7150/WinAPRS 2.5.1
-EARL_CLOVIS -251-<630>
Did you get a letter from Nigeria offering a "deal"? See
http://home.rica.net/alphae/419coal/ and
http://www.crimes-of-persuasion.com/Crimes/Business/nigerian.htm

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Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

990. [aprssig] PCM/CIA to serial?

From: Earl Needham <needhame@yucca.net>
Date: Sat, 29 Jun 2002 16:49:55 -0600
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-87306-2002.06.29-18.27.41--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Is there a PCM/CIA card available that will allow one to plug a DB-9 serial cable into it? Still trying to hook up a GPS to a laptop while leaving the one com port open for the TNC.

No, I don't want to use the sound card as a TNC...

Thanks,
Earl

Earl Needham, KD5XB, Clovis, New Mexico DM84jk
KD5XB-2>APW251,PCSAT-1*:=3425.83N/10313.55W-PHG7150/WinAPRS 2.5.1
-EARL_CLOVIS -251-<630>
Did you get a letter from Nigeria offering a "deal"? See
http://home.rica.net/alphae/419coal/ and
http://www.crimes-of-persuasion.com/Crimes/Business/nigerian.htm

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991. [aprssig] Findu???

From: Earl Needham <needhame@yucca.net>
Date: Sat, 29 Jun 2002 17:01:17 -0600
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-87307-2002.06.29-18.39.18--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Is Findu down? I can't seem to get there from here...

Thanks,
Earl

Earl Needham, KD5XB, Clovis, New Mexico DM84jk
KD5XB-2>APW251,PCSAT-1*:=3425.83N/10313.55W-PHG7150/WinAPRS 2.5.1
-EARL_CLOVIS -251-<630>
Did you get a letter from Nigeria offering a "deal"? See
http://home.rica.net/alphae/419coal/ and
http://www.crimes-of-persuasion.com/Crimes/Business/nigerian.htm

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Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

992. [aprssig] RE: PCM/CIA to serial?

From: "Andrew Rich" <andrew.rich@bigpond.com>
Date: Sun, 30 Jun 2002 09:12:48 +1000
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-87308-2002.06.29-18.50.52--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

is that like a gsm/fbi card ?

-----Original Message-----
From: bounce-aprssig-23621@lists.tapr.org
[mailto:bounce-aprssig-23621@lists.tapr.org]On Behalf Of Earl Needham
Sent: Sunday, 30 June 2002 08:50
To: TAPR APRS Special Interest Group
Subject: [aprssig] PCM/CIA to serial?

Is there a PCM/CIA card available that will allow one to plug a DB-9 serial cable into it? Still trying to hook up a GPS to a laptop while leaving the one com port open for the TNC.

No, I don't want to use the sound card as a TNC...

Thanks,
Earl

Earl Needham, KD5XB, Clovis, New Mexico DM84jk
KD5XB-2>APW251,PCSAT-1*:=3425.83N/10313.55W-PHG7150/WinAPRS 2.5.1
-EARL_CLOVIS -251-<630>
Did you get a letter from Nigeria offering a "deal"? See
http://home.rica.net/alphae/419coal/ and
http://www.crimes-of-persuasion.com/Crimes/Business/nigerian.htm

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993. [aprssig] Low power and reliability

From: John Kraus <jfkraus3@cox.net>
Date: Sat, 29 Jun 2002 19:15:08 -0400
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-87309-2002.06.29-18.52.55--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

I first sent this to someone who asked how I was running the NA4V-2 digi. I thought it was appropriate for the SIG so here it is. While this does not achieve the ultimate in low power with no HD or the HD turned off power draw should be quite low.

No, I have not measured it but I will be happy to detail the system if someone wants to do so. My point is power consumption is, at most sites, a non-issue. If it is a remote solar powered site then by all means use the best low power gear. I can see the need if this is the situation but if it is grid connected get real most 386 / 486 computers draw less than a couple of light bulbs when the monitor is turned off.

The longevity issue is far more germane but can be addressed. See the last TAPR Packet newsletter on how to harden a computer. Actually the ultimate in low power is the TAPR compact flash adapter which also avoids the lack of reliability inherent in a floppy disk or hard drive since it has no moving parts. In the absence of the adapter I use basic dos and bios commands to create a Ramdrive and then after copying the necessary files to it I turn off the hard drive in bios.

I use the dos choice command to do the grunt work of reloading the system after a power failure.

It works like this:

CONFIG.SYS

load Ramdrive and memory manager

AUTOEXEC.BAT

Display a menu that gives ten seconds to exit to dos. Provides a nice way to stop the digi.
Then if Yes is chosen or time elapses all files in C:\digi_ned are copied to the D:\ Ramdrive then a rundigi.bat file is called from the D:\ to start the digi. I also wrote an update.bat file that lets me change settings at home. When I go to the digi I use the ALT D command to shell out of digi_ned pop in the floppy and type a:\update and the new files are copied to the c:\digi_ned and c:\ directories. Then pop out the floppy and hit reset and the new files run. It works great. Try updating settings in a TNC only system. It ain't that easy.

I don't worry too much as I only live about 7 miles from the digi by interstate. I keep a spare computer in the cabinet so its a 15 minute job to drive out and swap. So far I have not had any need. I suspect that DOS will be very stable in this environment since it is a small single task program with minimal memory requirements.

For more remote sites it should be easy to build a DTMF controller to power cycle. Just put a relay in the line to the power switch and use an old scanner set to 440 for the control It is not the most secure method but it should suffice to avoid a trip to the site during a thunderstorm. I have also seen a heartbeat circuit on the Digi_Ned site that takes a clock pulse from the computer to keep a timer reset. No pulse and the timer counts down and power cycles the computer. By using a Ramdrive the original files are less apt to be corrupted by a power cycle.

Ask anyone who is familiar with Linux how long some basic computers run without a reboot. I have seen a reference to a 386 system that provided Email service to a 200 user WAN that had more than 4 years of uptime without a reboot. The BBS at the same site has run for several years with only sporadic reboots but with no hardware failures. It is a second hand 386 running Linux.

The bottom line is that computers can do the job if set up properly.

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994. [aprssig] RE: PCM/CIA to serial?

From: "Andrew Rich" <andrew.rich@bigpond.com>
Date: Sun, 30 Jun 2002 09:15:45 +1000
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-87310-2002.06.29-18.54.56--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

http://www.quatech.com/

-----Original Message-----
From: bounce-aprssig-23621@lists.tapr.org
[mailto:bounce-aprssig-23621@lists.tapr.org]On Behalf Of Earl Needham
Sent: Sunday, 30 June 2002 08:50
To: TAPR APRS Special Interest Group
Subject: [aprssig] PCM/CIA to serial?

Is there a PCM/CIA card available that will allow one to plug a DB-9 serial cable into it? Still trying to hook up a GPS to a laptop while leaving the one com port open for the TNC.

No, I don't want to use the sound card as a TNC...

Thanks,
Earl

Earl Needham, KD5XB, Clovis, New Mexico DM84jk
KD5XB-2>APW251,PCSAT-1*:=3425.83N/10313.55W-PHG7150/WinAPRS 2.5.1
-EARL_CLOVIS -251-<630>

Did you get a letter from Nigeria offering a "deal"? See
http://home.rica.net/alphae/419coal/ and
http://www.crimes-of-persuasion.com/Crimes/Business/nigerian.htm

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995. [aprssig] RE: PCM/CIA to serial?

From: Earl Needham <needhame@yucca.net>
Date: Sat, 29 Jun 2002 17:17:43 -0600
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-87311-2002.06.29-18.56.36--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

At 09:12 AM 6/30/2002 +1000, Andrew Rich wrote:
>is that like a gsm/fbi card ?

Darned if I know! What we want to do is plug a card into the laptop's PCM/CIA port and be able to connect the GPS to it to get data into the laptop for WinAPRS mobile.

Earl

Earl Needham, KD5XB, Clovis, New Mexico DM84jk
KD5XB-2>APW251,PCSAT-1*:=3425.83N/10313.55W-PHG7150/WinAPRS 2.5.1
-EARL_CLOVIS -251-<630>
Did you get a letter from Nigeria offering a "deal"? See
http://home.rica.net/alphae/419coal/ and
http://www.crimes-of-persuasion.com/Crimes/Business/nigerian.htm

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996. [aprssig] Re: Findu???

From: Robbie Robertson <mwrobertson@attbi.com>
Date: Sat, 29 Jun 2002 18:18:56 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: TAPR APRS Special Interest Group <aprssig@lists.tapr.org>
Message-ID: <LYR842-87312-2002.06.29-18.56.52--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

It just worked for me Earl:

http://www.findu.com/cgi-bin/find.cgi?kd5xb-2

Robbie, wa9inf

Earl Needham wrote:
>
>   Is Findu down? I can't seem to get there from here...
>
>   Thanks,
>   Earl
>
> Earl Needham, KD5XB, Clovis, New Mexico DM84jk
> KD5XB-2>APW251,PCSAT-1*:=3425.83N/10313.55W-PHG7150/WinAPRS 2.5.1
> -EARL_CLOVIS -251-<630>
> Did you get a letter from Nigeria offering a "deal"? See
> http://home.rica.net/alphae/419coal/ and
> http://www.crimes-of-persuasion.com/Crimes/Business/nigerian.htm
>
> ---
> You are currently subscribed to aprssig as: mwrobertson@attbi.com
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> Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

--

- Robbie Robertson -
...-.- wa9inf ...-.-

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997. [aprssig] Re: PCM/CIA to serial?

From: "Kurt O. Jauss" <kf6hjo@earthlink.net>
Date: Sat, 29 Jun 2002 16:19:30 -0700
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: TAPR APRS Special Interest Group <aprssig@lists.tapr.org>
Message-ID: <LYR842-87313-2002.06.29-18.57.14--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

I use a SOCKET dual I/O card . One I/O for the GPS and one for
the weather station while mobil. The laptop has one existing serial
port for the TNC. Works great although a little pricey.
http://www.socketcom.com/product/serial.htm

Earl Needham wrote:

>
>   Is there a PCM/CIA card available that will allow one to plug a
> DB-9 serial cable into it? Still trying to hook up a GPS to a laptop
> while leaving the one com port open for the TNC.
>
>   No, I don't want to use the sound card as a TNC...
>
>   Thanks,
>   Earl
>
>
>
>

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998. [aprssig] Re: Findu???

From: Earl Needham <needhame@yucca.net>
Date: Sat, 29 Jun 2002 17:29:14 -0600
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: TAPR APRS Special Interest Group <aprssig@lists.tapr.org>
Message-ID: <LYR842-87314-2002.06.29-19.11.03--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Weird! My ISP's DNS must be out. Again.

         Thanks,
         Earl

At 06:18 PM 6/29/2002 -0500, Robbie Robertson wrote:
>It just worked for me Earl:
>
>http://www.findu.com/cgi-bin/find.cgi?kd5xb-2
>
>Robbie, wa9inf
>
>Earl Needham wrote:
> >
> >   Is Findu down? I can't seem to get there from here...
> >
> >   Thanks,
> >   Earl
> >
> > Earl Needham, KD5XB, Clovis, New Mexico DM84jk
> > KD5XB-2>APW251,PCSAT-1*:=3425.83N/10313.55W-PHG7150/WinAPRS 2.5.1
> > -EARL_CLOVIS -251-<630>
> > Did you get a letter from Nigeria offering a "deal"? See
> > http://home.rica.net/alphae/419coal/ and
> > http://www.crimes-of-persuasion.com/Crimes/Business/nigerian.htm

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> >
> > ---
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> > Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org
>
>--
>
>- Robbie Robertson -
>...-.- wa9inf ...-.-


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999. [aprssig] Re: Findu???

From: "Andrew Rich" <andrew.rich@bigpond.com>
Date: Sun, 30 Jun 2002 09:48:04 +1000
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-87315-2002.06.29-19.25.56--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

```
If your DNS is down,

instead of

>http://www.findu.com/cgi-bin/find.cgi?kd5xb-2
>

put

http://64.34.101.121/cgi-bin/find.cgi?kd5xb-2

-----Original Message-----
From: bounce-aprssig-23621@lists.tapr.org
[mailto:bounce-aprssig-23621@lists.tapr.org]On Behalf Of Earl Needham
Sent: Sunday, 30 June 2002 09:29
To: TAPR APRS Special Interest Group
Cc: TAPR APRS Special Interest Group
Subject: [aprssig] Re: Findu???



         Weird!  My ISP's DNS must be out.  Again.

         Thanks,
         Earl

At 06:18 PM 6/29/2002 -0500, Robbie Robertson wrote:
>It just worked for me Earl:
>
>http://www.findu.com/cgi-bin/find.cgi?kd5xb-2
>
>Robbie,  wa9inf
>
>Earl Needham wrote:
> >
> >         Is Findu down?  I can't seem to get there from here...
> >
> >         Thanks,
> >         Earl
> >
> > Earl Needham, KD5XB, Clovis, New Mexico  DM84jk
> > KD5XB-2>APW251,PCSAT-1*:=3425.83N/10313.55W-PHG7150/WinAPRS 2.5.1
> > -EARL_CLOVIS -251-<630>
> > Did you get a letter from Nigeria offering a "deal"?  See
> > http://home.rica.net/alphae/419coal/ and
> > http://www.crimes-of-persuasion.com/Crimes/Business/nigerian.htm
> >
> > ---
> > You are currently subscribed to aprssig as: mwrobertson@attbi.com
> > To unsubscribe send a blank email to leave-aprssig-842K@lists.tapr.org
> > Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org
>
>--
>
>- Robbie Robertson -
```

```
>...-.- wa9inf ...-.-


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You are currently subscribed to aprssig as: andrew.rich@bigpond.com
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```

1000. [aprssig] Re: PCM/CIA to serial?

From: "Mike Yetsko" <myetsko@insydesw.com>
Date: Sat, 29 Jun 2002 19:46:41 -0400
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-87316-2002.06.29-19.26.56--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

```
> Is there a PCM/CIA card available that will allow one to plug a DB-9
> serial cable into it?  Still trying to hook up a GPS to a laptop while
> leaving the one com port open for the TNC.
>
> Earl

There's a number of them.  1, 2, and even 4 channel serial cards.
However, they are not cheap.  Real Time Devices in St College PA
sells them.  I think MetraByte in Mass does too.

Be aware though that if you are running 'DOS' compatible machines,
then you will have a 'gotcha' in that there is only ONE interrupt pin
per card slot.  With Win9x and later, it's not a big deal, but with
DOS it is.  Unless you have the capability to interface to a custom
driver...  (If you have to interface, just set the card interrupt to a
'custom', and then have the ISR routine 'pretend' to be one of 4 other
interrupts.  Better yet, writ your own 4-port handler and make it
support the one interrupt!)

Mike



---
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1001. [aprssig] WinAPRS261 Problems?

From: "Stanley T. Yamato" <yamato@trianglenet.net>
Date: Sat, 29 Jun 2002 19:25:50
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-87318-2002.06.29-20.03.29--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

```
Hi,
Hope someone will be able to assist me in solving a couple of problems that
I am having with this version of WinAPRS.
1. I am using the Davis Vantage Pro weather station with the Weather
Display program.  What are the settings for the Weather Display program to
interface with WinAPRS and what is the settings for WinAPRS to interface
with the Weather Display program?  I have the Weather Display to produce
the "wxnow.txt" file but it seems that WinAPRS does not pick it up for some
reason.  I have the bottom WX Display (File) selected in the Weather
Settings portion and in ghe Weather File Path I have the path where the
wxnow.txt file resides.
2.  I am using Precision Mapping 5.0 and it seems to be working in the
"square" mode okay.  Now, when I zoom in to show street level closeness,
the call sign background is white and covers up the map background.  The
icons seems normal. When I zoom out to about where I can see most of the
State boundries, the white background disappears. Is there a remedy for
this?

Hope that there are some solutions for my inquiry.

Thanks in advance.

--Stan Y.
```

KH6HHG
Congerville, Il

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To unsubscribe send a blank email to leave-aprssig-842K@lists.tapr.org
Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

---

1002. [aprssig] Re: Findu???

From: Earl Needham <needhame@yucca.net>
Date: Sat, 29 Jun 2002 18:26:59 -0600
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-87319-2002.06.29-20.05.01--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Still doesn't work. Don't know what's happened here, but I can only reach about a tenth of the sites I try.

Earl

At 09:48 AM 6/30/2002 +1000, Andrew Rich wrote:

>If your DNS is down,
>
>instead of
>
> >http://www.findu.com/cgi-bin/find.cgi?kd5xb-2
> >
>
>put
>
>http://64.34.101.121/cgi-bin/find.cgi?kd5xb-2

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Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

---

1003. [aprssig] Re: PCM/CIA to serial?

From: WA8LMF2@aol.com
Date: Sat, 29 Jun 2002 20:40:28 EDT
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: needhame@yucca.net
Message-ID: <LYR842-87320-2002.06.29-20.18.10--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

In a message dated 6/29/02 3:52:15 PM Pacific Daylight Time, needhame@yucca.net writes:

> Is there a PCM/CIA card available that will allow one to plug a DB-9
> serial cable into it? Still trying to hook up a GPS to a laptop while
> leaving the one com port open for the TNC.
>

Yes, assuming you want to run under Windows Getting PCMCIA cards to run under DOS is a real pain in the neck because:
1) DOS doesnt recognize PC cards by itself -- messy drivers are always required.
2) The 640K RAM CRAM issue; i.e. the the multiple layers of drivers normally have to load into conventional memory. With Win 9X or later, the driver stack for PC card slots is standard equipment and pretty much automatic -- just plug the card in.

At least if you don't try to use a modern 32-bit CardBus PCMCIA card on an older laptop that only supports the original 16-bit PCMCIA interface! [The classic 16-bit PCMCIA card interface approximates the interface of 16-bit ISA slots common on pre-Pentium PCs, while the 32-bit CardBus interface on current laptops is similar to the 32-bit PCI slot.]

A serial port on a PCMCIA card runs about $100 to $150. I was recently looking for one myself and was shocked at the cost -- you can get far more elaborate devices like 100MB Ethernet interfaces and 56K modems for half the cost of a dumb serial port alone! After seeing the cost, I went with a couple of the $25-$30 USB-to-serial converter cables -- again a non-DOS-friendly solution....

Stephen H. Smith   wa8lmf @ aol.com
Home Page:
http://members.aol.com/wa8lmf
Ham Radio/Mobile SSTV page: http://members.aol.com/wa8lmf/ham
APRS Stuff
http://members.aol.com/wa8lmf/aprs

| Radio Communications Systems   Personal Computers
| Consulting and Systems Integration
| GPS Custom Mapping   &   Radio Coverage Surveys
| File Conversions   MS-Windows Setups   VISCII Fonts

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1004. [aprssig] Re: Findu???

From: WA8LMF2@aol.com
Date: Sat, 29 Jun 2002 20:43:49 EDT
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-87329-2002.06.29-20.22.56--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

In a message dated 6/29/02 4:03:37 PM Pacific Daylight Time,
needhame@yucca.net writes:

> Is Findu down? I can't seem to get there from here...
>
>   Thanks,
>   Earl
>

Worked for me just 5 minutes ago [17:42 Pacific Daylight Time]

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1005. [aprssig] Re: PCM/CIA to serial?

From: tvsjr <tvsjr@sprynet.com>
Date: Sat, 29 Jun 2002 19:55:00 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: needhame@yucca.net
Message-ID: <LYR842-87330-2002.06.29-20.32.21--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Old DOS junkies will remember these... with either HIMEM and EMM386 installed, or, even better, QEMM (Quarterdeck Extended Memory Manager), you can load these drivers into high memory (the space between 640KB and 1MB in the addressing scheme) and free up the conventional memory below 640. I have several Toshiba T1910 laptops, which have QEMM, PCMCIA drivers (six programs!), and several other drivers loading at boot time (my recollection says about 10 TSRs/drivers total), and I still have about 610KB free in the 640 block. Most programs require at a maximum 600KB free.

Good luck ever getting USB to run under DOS.

Terry

>   2) The 640K RAM CRAM issue; i.e. the the multiple layers of drivers
>normally have to load into conventional memory. With Win 9X or later, the
>driver stack for PC card slots is standard equipment and pretty much
>automatic -- just plug the card in.

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1006. [aprssig] RE: WinAPRS261 Problems?

From: Bill Diaz <william.diaz@attbi.com>
Date: Sat, 29 Jun 2002 19:58:38 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-87332-2002.06.29-20.37.41--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

```
Stan,
 See below:
On Saturday, June 29, 2002 14:26, Stanley T. Yamato
[SMTP:yamato@trianglenet.net] wrote:
> Hi,
> Hope someone will be able to assist me in solving a couple of problems
that
> I am having with this version of WinAPRS.
> 1.
SNIP
> 2.  I am using Precision Mapping 5.0 and it seems to be working in the
> "square" mode okay.  Now, when I zoom in to show street level closeness,
> the call sign background is white and covers up the map background.  The
> icons seems normal. When I zoom out to about where I can see most of the
> State boundries, the white background disappears. Is there a remedy for
> this?

Version 2.6.1 seems to have lost the ability to maintain the label settings
when zoomed in.  The earlier versions could be configured to provide a 3d
looking font label with a transparent background.  The label would
disappear when zoomed out as you described.  Now, the label settings
(Display, Map Display Options) seem to have little or no effect.

There does not appear to be any way to get 2.6.1 to display the labels
similar to previous versions.

Bill KC9XG
> Hope that there are some solutions for my inquiry.
>
> Thanks in advance.
>
> --Stan Y.
>   KH6HHG
>   Congerville, Il


---
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```

1007. [aprssig] Re: Findu???

From: "Guy Story, KC5GOI" <kc5goi@kc5goi.net>
Date: Sat, 29 Jun 2002 20:19:26 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-87335-2002.06.29-20.56.57--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

```
Earl, try http://www3.findu.com/cgi-bin/find.cgi?kd5xb-2  taking note of
findu3.com.

73

--
Guy Story, KC5GOI
Itel-Tigerbyte LLC
gstory@tigerbyte.com
940.891.4575

---
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1008. [aprssig] Re: Findu???

From: Earl Needham <needhame@yucca.net>
Date: Sat, 29 Jun 2002 20:49:30 -0600
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-87341-2002.06.29-22.28.43--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

At 08:19 PM 6/29/2002 -0500, Guy Story, KC5GOI wrote:
>Earl, try http://www3.findu.com/cgi-bin/find.cgi?kd5xb-2 taking note of
>findu3.com.

Thanks, Guy, but no joy. Something must be seriously wrong at my ISP, and they just don't work at ALL on weekends...

Earl

Earl Needham, KD5XB, Clovis, New Mexico DM84jk
KD5XB-2>APW251,PCSAT-1*:=3425.83N/10313.55W-PHG7150/WinAPRS 2.5.1
-EARL_CLOVIS -251-<630>
Did you get a letter from Nigeria offering a "deal"? See
http://home.rica.net/alphae/419coal/ and
http://www.crimes-of-persuasion.com/Crimes/Business/nigerian.htm

---
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1009. [aprssig] W7LUS?

From: Earl Needham <needhame@yucca.net>
Date: Sat, 29 Jun 2002 20:56:54 -0600
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-87342-2002.06.29-22.35.10--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Anybody heard from Peter lately? Last thing I can find on him is about 6 months old.

Thanks,
Earl

Earl Needham, KD5XB, Clovis, New Mexico DM84jk
KD5XB-2>APW251,PCSAT-1*:=3425.83N/10313.55W-PHG7150/WinAPRS 2.5.1
-EARL_CLOVIS -251-<630>
Did you get a letter from Nigeria offering a "deal"? See
http://home.rica.net/alphae/419coal/ and
http://www.crimes-of-persuasion.com/Crimes/Business/nigerian.htm

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1010. [aprssig] Re: Findu???

From: "Charles H. Rahe, II" <crahe@infi.net>
Date: Sat, 29 Jun 2002 23:05:59 -0400
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: TAPR APRS Special Interest Group <aprssig@lists.tapr.org>
Message-ID: <LYR842-87344-2002.06.29-22.42.32--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Have you installed any new software lately?? I had a similar problem a year or so ago after installing a shareware program. I can't remember the name of the program, but I think it was a program to stop popup ads or something like that.

Charlie

Earl Needham wrote:

>   Is Findu down? I can't seem to get there from here...
>
>   Thanks,
>   Earl
>
> Earl Needham, KD5XB, Clovis, New Mexico DM84jk
> KD5XB-2>APW251,PCSAT-1*:=3425.83N/10313.55W-PHG7150/WinAPRS 2.5.1
> -EARL_CLOVIS -251-<630>
> Did you get a letter from Nigeria offering a "deal"? See
> http://home.rica.net/alphae/419coal/ and
> http://www.crimes-of-persuasion.com/Crimes/Business/nigerian.htm
>

> ---
> You are currently subscribed to aprssig as: crahe@infi.net
> To unsubscribe send a blank email to leave-aprssig-842K@lists.tapr.org
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1011. [aprssig] Re: Findu???

From: Earl Needham <needhame@yucca.net>
Date: Sat, 29 Jun 2002 21:10:49 -0600
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-87345-2002.06.29-22.50.06--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

At 11:05 PM 6/29/2002 -0400, Charles H. Rahe, II wrote:
>Have you installed any new software lately??

Nope.

> I had a similar problem a year
>or so ago after installing a shareware program. I can't remember the name of
>the program, but I think it was a program to stop popup ads or something
>like that.

No, I've uninstalled WebWasher some time ago, as it seemed to be pretty flakey.

Earl

Earl Needham, KD5XB, Clovis, New Mexico DM84jk
KD5XB-2>APW251,PCSAT-1*:=3425.83N/10313.55W-PHG7150/WinAPRS 2.5.1
-EARL_CLOVIS -251-<630>
Did you get a letter from Nigeria offering a "deal"? See
http://home.rica.net/alphae/419coal/ and
http://www.crimes-of-persuasion.com/Crimes/Business/nigerian.htm

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1012. [aprssig] WX-Display & WinAPRS

From: "Chris Schwab" <1schwab1@Tampabay.rr.com>
Date: Sat, 29 Jun 2002 23:19:16 -0400
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-87346-2002.06.29-22.57.48--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

All:

Has anyone successfully integrated WX-Display & WinAPRS 2.61?

I was trying it tonight, and even though I had WX-Display creating the file, WinAPRS would never read it. I set my WX options for the location of the file, and made sure that I had the right pathing (and capitalization, just in case that mattered).

I tried opening the WX port, but I'm sure that isn't it since all that does is open the serial port (which was dedicated to WX-Display)

Can anyone think of anything I missed, or give me some pointers?

73!
Chris N4BSA

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1013. [aprssig] Re: PCM/CIA to serial?

From: "Wes Johnston" <wes@johnston.net>
Date: Sat, 29 Jun 2002 23:49:05 -0400
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: <needhame@yucca.net>
Message-ID: <LYR842-87347-2002.06.29-23.26.50--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

```
Perhaps installing them "the best you can" and then runnnig the MEMMAKER
command?

Wes
----- Original Message -----
From: "tvsjr" <tvsjr@sprynet.com>
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: <needhame@yucca.net>
Sent: Saturday, June 29, 2002 8:55 PM
Subject: [aprssig] Re: PCM/CIA to serial?


> Old DOS junkies will remember these... with either HIMEM and EMM386
> installed, or, even better, QEMM (Quarterdeck Extended Memory Manager),
you
> can load these drivers into high memory (the space between 640KB and 1MB
in
> the addressing scheme) and free up the conventional memory below 640. I
> have several Toshiba T1910 laptops, which have QEMM, PCMCIA drivers (six
> programs!), and several other drivers loading at boot time (my
recollection
> says about 10 TSRs/drivers total), and I still have about 610KB free in
the
> 640 block. Most programs require at a maximum 600KB free.
>
> Good luck ever getting USB to run under DOS.
>
> Terry
>
>
> >    2) The 640K RAM CRAM issue; i.e. the the multiple layers of drivers
> >normally have to load into conventional memory.  With Win 9X or later,
the
> >driver stack for PC card slots is standard equipment and pretty much
> >automatic -- just plug the card in.
>
>
>
> ---
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>
>



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1014. [aprssig] Re: PCMCIA to serial?

From: Rich Osman <Rich@Osman.com>
Date: Sat, 29 Jun 2002 22:57:17 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-87348-2002.06.29-23.36.42--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

```
What I'd like to be able to do is write a software serial port for Win98 that
operates on the DTR/DSR or CTS/RTS lines. I know how to write the UART code,
but I'm clueless about windows drivers.

--
mailto:Rich@Osman.com  http://www.rich.osman.com
Rich Osman;  POB 93167; Southlake, TX 76092 (Near DFW Airport) ARS: N1OZ

If you receive something that says "Send this to everyone you know,"
      PLEASE pretend you don't know me.
```

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1015. [aprssig] Re: PCM/CIA to serial?

From: tvsjr <tvsjr@sprynet.com>
Date: Sat, 29 Jun 2002 23:07:00 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: <needhame@yucca.net>
Message-ID: <LYR842-87350-2002.06.29-23.44.30--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Compared to QEMM and a little manual tuning, Memmaker blows. With QEMM, you can go in and see the different regions of upper memory and how much space is available in each, and then, by looking at the driver/TSR sizes, you can come up with a good idea of where to load each program. The only thing to think about is programs/TSRs that load larger and then shrink once they initialize. Later versions of QEMM (7.0, if memory serves - that's been awhile) had ways to handle this.

Terry

At 11:49 PM 06/29/2002 -0400, Wes Johnston wrote:
>Perhaps installing them "the best you can" and then runnnig the MEMMAKER
>command?
>
>Wes

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1016. [aprssig] looking for an NEC CDR-501 CD caddy, anybody?

From: bob evinger <wd9eka@evinger.com>
Date: Sat, 29 Jun 2002 23:15:01 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-87351-2002.06.29-23.53.24--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Work cleared out a bunch outdated equipment that wasnt being used but is functional. I have been wanting to move my wx server and aprsd Igate off onto a stand alone machine so that my main linux box is available for more play(read booting into windows once in a while to run flight sim :))

Anyway, the tower that I want to use is an older large gateway 2000 tower that is a P5-90 with scsi. It has a NEC CDR-501 cd drive and 2, 2 gig hard drives but the caddy has been lost. Actually several caddies were lost because I also brought home an external scsi cd drive and when I checked it, it was missing its caddy as well. Anybody either have a spare caddy or know where I can get one without waiting weeks? I wanted to load it this weekend but doesnt look like that will happen now. It has onboard IDE controllers but the motherboard apparently doesnt want to play ide and scsi at the same time. This surprised me because the last server I dealt with was a new Dell with a Raid scsi controller for hard drives but the CD rom was an IDE drive and I didnt have a bit of trouble just dropping linux on it. The IDE controllers appear to be enabled in the bios and did not see anything obvious on the mb that would disable them.

'course once I put that tower in my shack, I may have to finally build another room for the radios. The "closet" is running out of space quick.

Any help greatly appreciated.

bob

--
Bob Evinger   WD9EKA/AAR5MG(Army MARS operator)
If Guns Cause Crime, Then Matches Cause Arson.

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Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

1017. [aprssig] Re: PCMCIA to serial?

From: David VanHorn <dvanhorn@cedar.net>
Date: Sat, 29 Jun 2002 23:32:47 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-87358-2002.06.30-00.10.14--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

At 10:57 PM 6/29/2002 -0500, Rich Osman wrote:
>What I'd like to be able to do is write a software serial port for Win98 that
>operates on the DTR/DSR or CTS/RTS lines. I know how to write the UART code,
>but I'm clueless about windows drivers.

I designed a hardware box to do this, multiplexing up to eight serial ports, full duplex, into a single port, with cross-coupling (Feed data from device A to device B) under software control, but I haven't had any luck in getting support for it in any of the APRS platforms.

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1018. [aprssig] Re: PCMCIA to serial?

From: Rich Osman <Rich@Osman.com>
Date: Sat, 29 Jun 2002 23:35:16 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: TAPR APRS Special Interest Group <aprssig@lists.tapr.org>
Message-ID: <LYR842-87359-2002.06.30-00.14.34--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

If I could do this as a Windows driver, it wouldn't matter. It'd just be COM-whatever. There wouldn't need to be special support. You could even do TTL serial ports on the parallel port, too.

David VanHorn wrote:

> At 10:57 PM 6/29/2002 -0500, Rich Osman wrote:
> >What I'd like to be able to do is write a software serial port for Win98 that
> >operates on the DTR/DSR or CTS/RTS lines. I know how to write the UART code,
> >but I'm clueless about windows drivers.
>
> I designed a hardware box to do this, multiplexing up to eight serial
> ports, full duplex, into a single port, with cross-coupling (Feed data from
> device A to device B) under software control, but I haven't had any luck in
> getting support for it in any of the APRS platforms.

--
mailto:Rich@Osman.com http://www.rich.osman.com
Rich Osman; POB 93167; Southlake, TX 76092 (Near DFW Airport) ARS: N1OZ

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Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

1019. [aprssig] Re: PCMCIA to serial?

From: David VanHorn <dvanhorn@cedar.net>
Date: Sat, 29 Jun 2002 23:45:31 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: TAPR APRS Special Interest Group <aprssig@lists.tapr.org>
Message-ID: <LYR842-87361-2002.06.30-00.22.54--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

At 11:35 PM 6/29/2002 -0500, Rich Osman wrote:
>If I could do this as a Windows driver, it wouldn't matter. It'd just be
>COM-whatever. There wouldn't need to be special support. You could even
>do TTL serial ports on the parallel port, too.

I think you'll find that the PC's interrupt latency and "accuracy" of timing available will prohibit this.

The solution that I built up, three years ago, was an AVR8515 processor, talking to multiple MAX3100 UARTs. Today, I would use a Mega-128 processor which would handle the host port, and the first device port, and then other AVR processors for the individual ports. The MAX uarts are pretty limited with no "smarts" and only 16 byte buffers. They also are rather awkward to talk to, but it's kind of involved to explain why.

Still, the idea is to send the data to the PC as packets, with each packet identified as to source. Outbound it's the same, except that the data is flagged to it's destination. Port to port copying of data can happen in the host, or in the box, and the box can "rewire" the connectivity when the host is not present, which has interesting implications for dumb/smart tracker mode switching.

I despise "HSP" solutions since they chop up the data, and corrupt the data coming into the systems. Given all the fun we've had over the years with data that isn't sanity-checked, I think it's a very defensible position.

In any case, I can easily port the software to the new AVRs, and the remaining hardware design would be trivial. Not much point in proceeding though, since there's nothing to talk to.

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1020. [aprssig] System down (APRSWest)

From: "Dick Stanich" <dick@kb7zva.com>
Date: Sun, 30 Jun 2002 4:7:19
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-87364-2002.06.30-04.44.58--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

A router at my ISP has crashed. APRSWest/AHubWest has been down since 04:23 GMT (21:53 Arizona 6/29/02). It may be operational by Sunday. Sorry for the inconvenience.

Please use AHubCA.net and AHubeast.net (Level 2 servers). Full feed on 10152 and 2023. Regional feeds on 14579. Other javAPRSSrvr Servers can be found at:

http://www.ahubswe.net/aprs_stat.asp

Dick, KB7ZVA
APRSWest
http://kb7zva.com

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---

1021. [aprssig] RE: PCMCIA to serial?

From: "Bob D." <n2iph@comcast.net>
Date: Sun, 30 Jun 2002 07:07:15 -0400
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-87366-2002.06.30-06.44.39--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

----snip----
What I'd like to be able to do is write a software serial port for
Win98 that
operates on the DTR/DSR or CTS/RTS lines. I know how to write the UART
code,
but I'm clueless about windows drivers.
----snip----

Try this Microsoft site, browse around in the Busses and Drivers sections, among others:

http://www.microsoft.com/hwdev/driver/drvtools.asp

Hope this helps,

73...Bob, N2IPH

```
-------------------------------------------------------------
Join the Ham Radio operators SETI Team # 8088
http://setiathome.ssl.berkeley.edu/stats/team/team_8088.html
-------------------------------------------------------------
```

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1022. [aprssig] Re: PCMCIA to serial?

From: Rich Osman <Rich@Osman.com>
Date: Sun, 30 Jun 2002 06:34:33 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: TAPR APRS Special Interest Group <aprssig@lists.tapr.org>
Message-ID: <LYR842-87367-2002.06.30-07.14.15--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

David VanHorn wrote:

> At 11:55 PM 6/29/2002 -0500, Rich Osman wrote:
> >There are several examples that indicate that this is not a problem, most
> >notably the BayCom modems that implement a synch modem on the DSR/DTR lines.
> >None of the soft TNCs would be possible if you were right. There's more than
> >enough idle horsepower in modern PCs.
> >
> >I've done this with DOS machines without a hitch, so the hardware is capable.
> >My problem is a lack of knowledge in the details of windows drivers.
>
> Windows is a whole different game, and any current version of windows even
> more so. Direct access to that level of hardware is something that they
> have been trying to rule out since Win3.1

My point here is that the hardware is capable of what I'm suggesting. While MS
has been trying to abstract the hardware for a long time, they have no choice but
to permit drivers to be written.

> >While a hardware solution has it's advantages, it's more boxes and cables.
> >And the issue of support is still there.
>
> One box. One cable from PC to box, one cable from box to each device. I
> think that barring IRDA or bluetooth, it's provably the minimum number of
> cables per device.

And space for the box, and a separate power cable. I'm looking for something I
can tuck in my briefcase and use with my laptop, or stick in the car.

The solution you suggest doesn't add a huge burden, but in the cases that concern
me less is definitely better.

> What support do you think would be needed? 232 buffers in sockets,
> everything else should outlast the owner, software is buildable with
> freeware tools.

Your solution will still require support either from the application and then
only one application will be able to use the ports created, or an OS specific
driver, in which case all applications could use it. What you suggest here has
one big advantage; it probably won't require an OS driver to operate at Ring 0,
making the driver less critical and easier to write for the OS case.

> I know it's not the holy PIC, but I refuse to waste my time untangling
> procrustean machinery.

I don't have a sect in this particular religious war, my only concern is over
long term part availability. The AVR seems to be available and model selection
stable enough.

Ham radio hardware projects usually have long enough "product cycles" that they
often start deploying as their critical components go obsolete. Witness a lot of
the TAPR designs.

It seems to me that the arguments between you and I boil down to this:

David:

1) It can't be done on a modern PC

2) External hardware is easy

Rich:

1) It can be done on a modern PC (but I don't know all of the details required to implement it.)
2) External hardware still requires OS or application support that doesn't seem forthcoming..

As for 1) is seems we won't agree and 2) we agree, but weight the related issues differently.

--
mailto:Rich@Osman.com http://www.rich.osman.com
Rich Osman; POB 93167; Southlake, TX 76092 (Near DFW Airport) ARS: N1OZ

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PLEASE pretend you don't know me.

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---

1023. [aprssig] RE: PCMCIA to serial?

From: Rich Osman <Rich@Osman.com>
Date: Sun, 30 Jun 2002 06:35:06 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: TAPR APRS Special Interest Group <aprssig@lists.tapr.org>
Message-ID: <LYR842-87368-2002.06.30-07.14.55--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Thanks!

"Bob D." wrote:

> ----snip----
> What I'd like to be able to do is write a software serial port for
> Win98 that
> operates on the DTR/DSR or CTS/RTS lines. I know how to write the UART
> code,
> but I'm clueless about windows drivers.
> ----snip----
>
> Try this Microsoft site, browse around in the Busses and Drivers
> sections, among others:
>
> http://www.microsoft.com/hwdev/driver/drvtools.asp
>
> Hope this helps,
>
> 73...Bob, N2IPH
>
> --
> Join the Ham Radio operators SETI Team # 8088
> http://setiathome.ssl.berkeley.edu/stats/team/team_8088.html
> --
>
> ---
> You are currently subscribed to aprssig as: rich@osman.com
> To unsubscribe send a blank email to leave-aprssig-842K@lists.tapr.org
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--
mailto:Rich@Osman.com http://www.rich.osman.com
Rich Osman; POB 93167; Southlake, TX 76092 (Near DFW Airport) ARS: N1OZ

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1024. [aprssig] Re: PCM/CIA to serial?

From: "Mike Yetsko" <myetsko@insydesw.com>
Date: Sun, 30 Jun 2002 08:37:54 -0400
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: <needhame@yucca.net>
Message-ID: <LYR842-87370-2002.06.30-08.19.40--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

```
> Compared to QEMM and a little manual tuning, Memmaker blows. With QEMM,
you
> can go in and see the different regions of upper memory and how much
space
> is available in each, and then, by looking at the driver/TSR sizes, you
can
> come up with a good idea of where to load each program. The only thing
to
> think about is programs/TSRs that load larger and then shrink once they
> initialize. Later versions of QEMM (7.0, if memory serves - that's been
> awhile) had ways to handle this.
>
> Terry


One of the big problems is the memory size AFTER load.  MemMaker
(and even a few others) had problems if the required size of the program
after load and running was larger than it's original image.

That's why I always wrote my drivers so that all the 'disposable' init
code
was at the end, and it would easily be smaller after load.  I'd always
create my 'buffers' so that they would use the disposable init area.

I was going to just make my program as big as it could be and then shrink
to run, but that has other problems.  You can run into a situation where
the
program won't load because the loader thinks it's too big.

Mike



---
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```

1025. [aprssig] Re: PCM/CIA to serial?

From: "Mike Yetsko" <myetsko@insydesw.com>
Date: Sun, 30 Jun 2002 08:45:06 -0400
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: <needhame@yucca.net>
Message-ID: <LYR842-87371-2002.06.30-08.25.11--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

```
> Old DOS junkies will remember these... with either HIMEM and EMM386
> installed, or, even better, QEMM (Quarterdeck Extended Memory Manager),
you
> can load these drivers into high memory (the space between 640KB and 1MB
in
> the addressing scheme) and free up the conventional memory below 640. I
> have several Toshiba T1910 laptops, which have QEMM, PCMCIA drivers (six
> programs!), and several other drivers loading at boot time (my
recollection
> says about 10 TSRs/drivers total), and I still have about 610KB free in
the
> 640 block. Most programs require at a maximum 600KB free.

You can even do this on a 286 class machine.  HIMEM.SYS will load
and give access to a lot of the memory arena stuff.  I wrote a small
program call UMBPRO.SYS a few years ago that gave all the Upper
Memory Block functions to the machine, in my case a PC-AT (80286)
running DOS 6.0.  Originally I did the program to use the extended 'SL'
register set of the 386SL to make memory appear, then for my home
AT machine, I did it by just putting SRAM chips in sockets.


> Good luck ever getting USB to run under DOS.
```

SOME USB will load from DOS. And while not common, there are
DOS drivers for some USB devices, just hard to find. To be honest,
though, I've never seen a DOS driver for a USB serial port, just for
stuff like keyboards and mice. Usually what's called 'legacy' devices
that are handled in the BIOS.

Mike

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1026. [aprssig] Memory and drivers???

From: Earl Needham <needhame@yucca.net>
Date: Sun, 30 Jun 2002 07:30:03 -0600
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-87376-2002.06.30-09.08.06--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

I don't want to sound ungrateful, but I don't NEED all the messages about
memory managers and the like. What I wanted was a simple device to plug
into a PCM/CIA port and then allow me to connect a GPS to it. Somehow the
discussion morphed into a discussion of QEMM, Memmaker, DOS drivers, etc.

I'd appreciate it if all y'all would stop sending me a cc: on it, as I get
the list anyway. (For another week or so.)

7 3
Earl

Earl Needham, KD5XB, Clovis, New Mexico DM84jk
KD5XB-2>APW251,PCSAT-1*:=3425.83N/10313.55W-PHG7150/WinAPRS 2.5.1
-EARL_CLOVIS -251-<630>
Did you get a letter from Nigeria offering a "deal"? See
http://home.rica.net/alphae/419coal/ and
http://www.crimes-of-persuasion.com/Crimes/Business/nigerian.htm

---
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1027. [aprssig] Controlling the serial port

From: ik7565@erols.com
Date: Sun, 30 Jun 2002 09:42:15 -0400
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: TAPR APRS Special Interest Group <aprssig@lists.tapr.org>
Message-ID: <LYR842-87377-2002.06.30-09.19.24--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

The DTR line on my Dell laptop (running Win2k) serial port is always
high for some reason and as a result I can't do direct serial CW keying
through a Rigblaster Plus (has DTR LED to show state). Keys my rig
continuously. It doesn't appear to be a Rigblaster or keying software
problem because DTR is high before or after running the keying software
(part of Win-EQF). Any ideas on how to keep DTR low are greatly
appreciated!

73 de Ian
N8IK

David VanHorn wrote:
>
> At 10:57 PM 6/29/2002 -0500, Rich Osman wrote:
> >What I'd like to be able to do is write a software serial port for Win98 that
> >operates on the DTR/DSR or CTS/RTS lines. I know how to write the UART code,
> >but I'm clueless about windows drivers.
>
> I designed a hardware box to do this, multiplexing up to eight serial
> ports, full duplex, into a single port, with cross-coupling (Feed data from
> device A to device B) under software control, but I haven't had any luck in
> getting support for it in any of the APRS platforms.
>

> ---
> You are currently subscribed to aprssig as: ik7565@erols.com
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> Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

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1028. [aprssig] Garmin GPS-III and an ALINCO DR-135

From: "John E." <johne@tds.net>
Date: Sun, 30 Jun 2002 10:00:07 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-87406-2002.06.30-10.38.01--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Setting up APRS for a friend and looking for the correct way of
configuring a Garmin GPS-III and an ALINCO DR-135.
Any help would be greatly appreciated.

Thanks de John KØCQW

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1029. [aprssig] Re: Controlling the serial port

From: Mark Cheavens <mcheavens@usa.net>
Date: Sun, 30 Jun 2002 10:07:49 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: TAPR APRS Special Interest Group <aprssig@lists.tapr.org>
Message-ID: <LYR842-87407-2002.06.30-10.45.15--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Do you have the most current bios? Have you contacted Dell (if you have the
most current bios)?

This has come up before on a certain model of Dell (I don't remember which)
Laptop and Dell fixed it in the bios for that model. It might apply to
other models as well, or you may have the model in question.

Mark Cheavens
KC5EVE

At 09:42 AM 6/30/2002 -0400, ik7565@erols.com wrote:
>The DTR line on my Dell laptop (running Win2k) serial port is always
>high for some reason and as a result I can't do direct serial CW keying
>through a Rigblaster Plus (has DTR LED to show state). Keys my rig
>continuously. It doesn't appear to be a Rigblaster or keying software
>problem because DTR is high before or after running the keying software
>(part of Win-EQF). Any ideas on how to keep DTR low are greatly
>appreciated!
>
>73 de Ian
>N8IK
>
>
>David VanHorn wrote:
> >
> > At 10:57 PM 6/29/2002 -0500, Rich Osman wrote:
> > >What I'd like to be able to do is write a software serial port for
> Win98 that
> > >operates on the DTR/DSR or CTS/RTS lines. I know how to write the UART
> code,
> > >but I'm clueless about windows drivers.
> >
> > I designed a hardware box to do this, multiplexing up to eight serial
> > ports, full duplex, into a single port, with cross-coupling (Feed data from
> > device A to device B) under software control, but I haven't had any luck in
> > getting support for it in any of the APRS platforms.
> >
> > ---
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>
>
>---
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1030. [aprssig] Re: Garmin GPS-III and an ALINCO DR-135

From: "Wes Johnston" <wes@johnston.net>
Date: Sun, 30 Jun 2002 11:19:47 -0400
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: "aprs" <aprssig@tapr.org>
Message-ID: <LYR842-87408-2002.06.30-10.57.48--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

NMEA IN/OUT on teh Garmin @ 4800 baud

press <func> and while the F icon is still on, press <sql> see _|-|_|-|_ on the display.
Hook up a PC and set the baud rate of the TNC to computer.

```
set mycall .... MY K0CQW-9
set which data to collect from GPS.... GPSTEXT $GPRMC
set baud rate on RADIO port HB1200
set baud rate on GPS port  GB4800
set TX rate... LOC E 3
set path  ... LPATH RELAY,WIDE3-3
```

Good luck!
Wes

----- Original Message -----
From: "John E." <johne@tds.net>
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Sent: Sunday, June 30, 2002 11:00 AM
Subject: [aprssig] Garmin GPS-III and an ALINCO DR-135

Setting up APRS for a friend and looking for the correct way of configuring a Garmin GPS-III and an ALINCO DR-135.
Any help would be greatly appreciated.

Thanks de John KØCQW

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1031. [aprssig] smart beacon

From: "Wes Johnston" <wes@johnston.net>
Date: Sun, 30 Jun 2002 11:43:43 -0400
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-87410-2002.06.30-11.21.32--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Here's the first draft of the smart beacon for kenwood d700 and basic stamp 2. For this code to work, you simply need GPS input on PIN P0, and Kenwood db9 pin 3 to PIN P1, and grounds, of course. Yes this code is sloppy... PBASIC does not allow for IF THEN ELSE, nor does it allow for IF THEN / ENDIF structures. I'll clean this up RSN, but have had alot of interest and want to get the code out fast as possible.

Smart beacon will beacon:
1. a fixed distance (actually, a number of seconds determined by your speed in KNOTS)
2. At the moment you stop moving, and every 30 minutes after that.
3. When you go around a curve, once you have driven in a straight line for a few feet.

Pros:
1. stops endless fixed position beacons of parked cars.
2. randomizes posit reports w/o coordination required by GPS Slot time methods.
3. Does not interfere with normal operation of radio (for the most part).

Cons:
1. Smartbeacon used on a kenwood radio will not beacon when you are talking on teh other 1/2 of the radio
2. If you are entering a message or viewing station list, and the smart beacon wants to TX, it escapes you from the menu. From the serial port, I have no way to know the user is viewing the station list or is trying to enter a message. Need a manual inhibit button. Something to put the stamp to sleep for, say, 60 or 120 seconds. Future version may query the radio to see if the user has switched off BCN command and use that as a hold off.
3. Smart beacon sure is chatty here on the east coast where we have many curvey roads.

Other applications I see for this are being able to power the radio on and off.

Although teh basic stamp isn't good at watching two serial ports at once, I'd like to be able to monitor 144.39 for information like the locations of digi's that may be on other frequencies, or for local paths in a given geographic area. Lots of potential here!

Wes

```
'{$STAMP BS2}
' Smart beaconing for the PIC processor
' Wes Johnston, kd4rdb
' Hook this to the same GPS which is connected to your kenwood radio via a Y
cable.
' The PIC processor will harvest GPRMC sentences from your GPS.
' When this SmartBeacon device decides the time is right to beacon, it will
toggle
' the kenwood's beacon mode causing it in turn to beacon your position.
' Plug the output of this unit into the serial connector on the kenwood
radio.
' Thanks Steve Bragg KA9MVA and Tony Arnerich KD7TA.

' Yet untested, but compiles error free in Pic Basic Pro.

' Later Revisions may include ability to change SB parms on the fly, Auto
' dimming the Kenwood display brightness and GPRMC error checking.

'Smart Beacon Parms
turn_min   con  14  ' Min turn angle threshold for corner pegging
turn_slope  con  255  ' Min turn angle threshold for corner pegging
turn_time   con  5  ' Time between corner peg and any beacon (SEC)
beacon_fast  con  54  ' Fast Beacon Rate (SECONDS)
beacon_stop  con  1800  ' Stopped Beacon Rate (seconds)
low_speed   con  2  ' Low speed threshold (MPH)
high_speed   con  60  ' High speed threshold (MPH)
gps_rate  con 2 ' Number of seconds between GPRMC
straight_threshold con 1 ' number of degrees to consider car not turning
anymore
' Define all variables
turn_flag   var bit
beacon_secs   var word
dif     var word
secs_since_beacon  var word
speed    var word
old_heading   var word
old_heading1  var word
heading    var word
turn_threshold   var word

' Init all values
```

```
turn_flag=0
beacon_secs  =beacon_stop
dif     =0
secs_since_beacon  =0
speed    =0
old_heading  =0
heading    =0
turn_threshold   =0


debug "Kenwood Smart Beacon",cr

mainloop:
' update our seconds since last beacon timer once a second, regardless of
gps data rate
secs_since_beacon=secs_since_beacon+gps_rate

' check to see if we need to beacon yet
if secs_since_beacon<beacon_secs then skipid:
 secs_since_beacon=0
 old_heading = heading
 serout 1,16468,["BCN 0",13]
 pause 250
 serout 1,16468,["BCN 1",13]
 debug "Beacon",13

' serout 1,16468,["PS 1",13]
' debug "sending power on",13
' pause 100
' serout 1,16468,["PS 1",13]

skipid:

' Wait 1 second for GPRMC.  Collect SPEED and HEADING.
  serin 0,
16572,[wait("GPRMC,"),wait(",A,"),wait(","),wait(","),wait(","),wait(","),de
c speed,dec heading,dec heading]

if speed > low_speed then checkhighspeed

' from here we are assumed to be stopped or very slow.
 if beacon_secs=beacon_stop then skipturnbeacon1
 debug "Slow mode beacon",13
 secs_since_beacon=32766
 beacon_secs = beacon_stop
 goto skipturnbeacon1

' check to see if we are going above the high speed rate or if we need to
calc a beacon interval.
checkhighspeed:
if speed < high_speed then mediumspeed
 beacon_secs = beacon_fast
 goto checkturns
mediumspeed:
 beacon_secs = beacon_fast * high_speed / speed

checkturns:
 turn_threshold = (turn_min + turn_slope) / speed

 dif = abs(old_heading - heading)
 if dif < 180 then turn2
  dif=360-dif
turn2:
 if dif > turn_threshold and secs_since_beacon > turn_time then turnbeacon
 goto skipturnbeacon
turnbeacon:
 turn_flag=1
 debug "Turning",13

skipturnbeacon:
 dif = abs(old_heading1 - heading)
 if dif < 180 then turn3
  dif=360-dif
turn3:
 old_heading1=heading
 if dif < straight_threshold and turn_flag=1 then skipturnbeacon0
goto skipturnbeacon1
skipturnbeacon0
 turn_flag=0
 secs_since_beacon = 32766
 debug "Out of Turn",13
skipturnbeacon1:

goto mainloop
```

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1032. [aprssig] WinAPRS & MFJ 1274 configuration HELP

From: "Blosberg, Dean" <dean.blosberg@medtronic.com>
Date: Sun, 30 Jun 2002 11:34:59 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-87411-2002.06.30-12.12.40--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

I have downloaded and installed WinAPRS version 2.4.6 - not registered yet until I know it will work...

I am having problems with the WinAPRS program not wanting to communicate with my TNC.

When I go under Windows Hyper terminal and use the TNC like I would with regular packet I have no problem with the computer and TNC communication, I know the serial port works when not using APRS.

Using the WinAPRS and setting every thing up appropriately, port/baud rate etc. from the program, I get garbage as if I had the baud/parity /stop bit incorrect. I don't know if it a setting on the TNC or a software issue.

Please, any resolution would be great, looking at the literature they admit having problems with the software and serial ports. I have tried Win 95,98 and XP all on different computers and get the same problem with each. Any ideas would be appreciated.

I would love to get this going before the holiday weekend!

Thanks again,
 Dean N0HOY Minneapolis

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1033. [aprssig] garmin mapsource

From: Frosty6981@aol.com
Date: Sun, 30 Jun 2002 12:53:49 EDT
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-87412-2002.06.30-12.31.41--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Is there a way to use Garmin Map source at the map for WinAPRS?

73, Reid KCØIDI

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1034. [aprssig] Re: garmin mapsource

From: "The Hildebrands" <b.hildebrand@verizon.net>
Date: Sun, 30 Jun 2002 10:02:14 -0700
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-87413-2002.06.30-12.40.03--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

You might want to try the program, Trackpoint.
ftp://ftp.tapr.org/aprssig/winstuff/aprsplus/Trackpoint.zip

Brent KH2Z

----- Original Message -----
From: <Frosty6981@aol.com>
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Sent: Sunday, June 30, 2002 9:53 AM

Subject: [aprssig] garmin mapsource

Is there a way to use Garmin Map source at the map for WinAPRS?

73, Reid KC0IDI

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---

1035. [aprssig] Re: smart beacon

From: David VanHorn <dvanhorn@cedar.net>
Date: Sun, 30 Jun 2002 12:06:31 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-87414-2002.06.30-12.44.13--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

>
>Although teh basic stamp isn't good at watching two serial ports at once,
>I'd like to be able to monitor 144.39 for information like the locations of
>digi's that may be on other frequencies, or for local paths in a given
>geographic area. Lots of potential here!

As I get time, I'm going to look at porting this to the AVR in assembler.
Unfortunately, any interpreted language is going to be pretty slow, and
suffer in realtime work like serial.

The Mega series would be the easiest, since they have two uarts natively,
but I'm sure I can do an interrupt based receiver for the GPS at 4800.

Good job though! I want something like this stuck in my car's KPC-3.

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---

1036. [aprssig] RE: garmin mapsource

From: "Herb Gerhardt" <hgerhardt@charter.net>
Date: Sun, 30 Jun 2002 10:06:51 -0700
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-87415-2002.06.30-12.44.57--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

In one word: NO! Garmin uses proprietary language and I don't think they
will ever give that out.

Precision Mapping maps work real well but they do not give you the topo
lines. I have been trying to get the Sproul's to modify their program to
allow the TOPO! maps CD's to be used but so far they have not succeeded in
this task.

Herb, KB7UVC
NW APRS Group, West Sound Coordinator
Our WEB Site: www.nwaprs.org

> -----Original Message-----

> Subject: [aprssig] garmin mapsource
>
>
> Is there a way to use Garmin Map source at the map for WinAPRS?
>
> 73, Reid KC0IDI
>
>

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1037. [aprssig] RE: garmin mapsource

From: Bill Diaz <william.diaz@attbi.com>
Date: Sun, 30 Jun 2002 12:13:58 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-87419-2002.06.30-12.52.47--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Reid,
  No way to use MapSource with WinAprs. Just standard aprs maps and Precision Mapping

Bill KC9XG

On Sunday, June 30, 2002 11:54, Frosty6981@aol.com [SMTP:Frosty6981@aol.com] wrote:
> Is there a way to use Garmin Map source at the map for WinAPRS?
>
> 73, Reid KCOIDI
>
> ---
> You are currently subscribed to aprssig as: kc9xg@attbi.com
> To unsubscribe send a blank email to leave-aprssig-842K@lists.tapr.org
> Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org
>
>

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1038. [aprssig] RE: WinAPRS & MFJ 1274 configuration HELP

From: Bill Diaz <william.diaz@attbi.com>
Date: Sun, 30 Jun 2002 12:16:07 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-87420-2002.06.30-12.54.59--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Dean,
  The current WinAprs is 2.6.1. You might want to evaluate this version or ver 2.5.1.

Bill KC9XG

On Sunday, June 30, 2002 11:35, Blosberg, Dean [SMTP:dean.blosberg@medtronic.com] wrote:
> I have downloaded and installed WinAPRS version 2.4.6 - not registered yet until I know it will work...
SNIP
> Thanks again,
> Dean N0HOY Minneapolis
>

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1039. [aprssig] Re: garmin mapsource

From: Frosty6981@aol.com
Date: Sun, 30 Jun 2002 13:18:12 EDT
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-87421-2002.06.30-12.56.46--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

OK thank you for your help on this. I didn't have a clue on if it would work
or not. Thank you for the replies.

73, Reid KCØIDI

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1040. [aprssig] RE: Pic protoboards

From: Dale Seaburg <kg5lt@earthlink.net>
Date: Sun, 30 Jun 2002 12:43:56 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-87422-2002.06.30-13.20.35--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

You also may want to have a look at Dontronics:
http://www.dontronics.com/ssinfo.html and the simmsticks he has to
offer. He has for both the PIC and AVR uP's. I have purchased and used
several of these. They are very nice and relatively cheap considering
the US vs Aus dollar exchange rate.

73 - Dale. KG5LT

Wes wrote:

 > Sorry.... it was 2am... i forgot....
 >
 > www.melabs.com or www.hvwtech.com
 >
 > Wes
 > ----- Original Message -----
 > From: "Steve" <ssbrockw@swbell.net>
 > To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
 > Sent: Saturday, June 29, 2002 3:00 AM
 > Subject: [aprssig] RE: Pic protoboards
 > <LYR19806-87240-2002.06.29-01.49.43--ssbrockw#swbell.net@lists.tapr.org>
 >
 >
 >>
 >
 >> > I just got my Basic Stamp II sx in from the vendor tonight ...
 >> > In the mean time, they sent a catalog and I saw a pic protoboard in
 >
 > there.
 >
 >> > I didn't realize such a creature existed. $9 for 16f84's and $14
  > for
 >> > '876's.
 >
 >>
 >> So who is the vendor?
 >>

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1041. [aprssig] Re: Web page updated

From: "The Hildebrands" <b.hildebrand@verizon.net>
Date: Sun, 30 Jun 2002 10:46:31 -0700
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-87423-2002.06.30-13.24.26--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Know Where Web page update:
http://4.46.81.200

The DNS on http://kh2z.lynxstudio.com is not currently working.

New addition - Track data. In position reports, if the background color of a line of position data is gray, then there is track data available, click on the station's Icon to retrieve track data. Currently it is returned as the raw data. Time is the number of seconds since Jan 1, 1900.

Brent KH2Z

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1042. [aprssig] Re: WinAPRS & MFJ 1274 configuration HELP

From: Bill Vodall - WA7NWP <wa7nwp@yahoo.com>
Date: Sun, 30 Jun 2002 11:07:20 -0700
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-87424-2002.06.30-13.45.03--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

```
>I have downloaded and installed WinAPRS version 2.4.6 - not registered yet until I know it will work...

2.4.6 has the Igate Mic-E conversion bug.  Where ever it's archived for download -
it should be removed and replaced with an updated version...  Hopefully one that does
NO Mic-E conversion on the IGate function.

Bill, WA7NWP


---
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```

1043. [aprssig] Re: smart beacon

From: "Wes Johnston" <kd4rdb@netzero.com>
Date: Sun, 30 Jun 2002 14:28:44 -0400
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-87425-2002.06.30-14.06.34--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

```
Dave, I thought about it for my wife's KPC3 in her car, but most people (so
I thought) would likely choose a lower priced alternative like the tiny
trak2.  However, it's great to know that the MEGA has two uarts... That's
*really really* interesting info.....  For what it's worth, basicx.com makes
a basic stamp type chip that has two serial ports also, with 100 byte
buffers.

While driving around town today it dawned on me that the other market for
this basic stamp smart beacon thing would be IDEAL for dr-135 folks.  What
with all the word about them reseting and loosing their memories, this unit
could easily reprogram the dr135 at startup, and send set TX rate... LOC E 3
command as needed.

Wes



----- Original Message -----
From: "David VanHorn" <dvanhorn@cedar.net>
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Sent: Sunday, June 30, 2002 1:06 PM
Subject: [aprssig] Re: smart beacon


>
> >
> >Although teh basic stamp isn't good at watching two serial ports at once,
> >I'd like to be able to monitor 144.39 for information like the locations
of
> >digi's that may be on other frequencies, or for local paths in a given
> >geographic area.  Lots of potential here!
>
> As I get time, I'm going to look at porting this to the AVR in assembler.
> Unfortunately, any interpreted language is going to be pretty slow, and
> suffer in realtime work like serial.
>
> The Mega series would be the easiest, since they have two uarts natively,
> but I'm sure I can do an interrupt based receiver for the GPS at 4800.
>
> Good job though!  I want something like this stuck in my car's KPC-3.
>
>
> ---
> You are currently subscribed to aprssig as: kd4rdb@netzero.com
> To unsubscribe send a blank email to leave-aprssig-842K@lists.tapr.org
> Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org
>
>
>


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---

1044. [aprssig] Fried Mazda 626 Computer w/2M ?

From: wa4tkg@attbi.com
Date: Sun, 30 Jun 2002 18:40:31 +0000
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-87427-2002.06.30-14.18.13--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

I belive it is possible I may have FRIED the cars'
computer with a 2M rig.....the radio always seemed
to SHUT DOWN, and not operate well;
likely due to the poor antenna that was being used.
Is it possible I FRIED the car computer by having a
BAD installation in the car?
The power cables were/are wired DIRECTLY
to the battery, through the fire wall.
I have been told it is quite COMMON to have the
computer in your car go BAD, and need replacing.
Due to the need of a solder lug, for contact on
the car battery terminal, the NEGATIVE terminal
was NOT well secure, this even caused the car to
not start, when the LIGHTS and DASH did come on.
I am wondering if THIS may have indeed FRIED the
car computer.

(The radio being used was (is) a Yaesu FT-2600M)

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---

1045. [aprssig] Re: KPC3 ID/NOID settings

From: "Ev Tupis (W2EV)" <w2ev@arrl.net>
Date: Sun, 30 Jun 2002 14:44:10 -0400
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-87428-2002.06.30-14.22.59--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

greg@clubnet.net wrote:
>
> The inadequate packet duplication checking algorithm of the KPC-3/KPC-3+
> is the main reason the SysOps in Southern California decided to
> configure the LA metro area digis to respond only to WIDEn-N and
> TRACEn-N. The algorithm only checks for duplicate packets that are
> addressed to digipeaters names defined by the UIFLOOD and UITRACE
> (typically WIDEn-N and TRACEn-N) parameters of the TNC. It DOES NOT
> check for generic RELAY or WIDE.

Dear Greg,
This is going to sound like a dopey question...especially since I think I'm
going to be stating the obvious (given the last two sentences above). Is it
your experience that WIDEn-N and TRACEn-N work perfectly correctly when it comes
to dupe supression (even if WIDE,TRACE and RELAY don't)?

Regards,
Ev, W2EV
--
BEACONet lets you look at the world in ways never before imagined.
http://go.to/BEACONet

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---

1046. [aprssig] Re: smart beacon

From: David VanHorn <dvanhorn@cedar.net>
Date: Sun, 30 Jun 2002 13:47:41 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-87429-2002.06.30-14.25.12--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

At 02:28 PM 6/30/2002 -0400, Wes Johnston wrote:
>Dave, I thought about it for my wife's KPC3 in her car, but most people (so

>I thought) would likely choose a lower priced alternative like the tiny
>trak2. However, it's great to know that the MEGA has two uarts... That's
>*really really* interesting info..... For what it's worth, basicx.com makes
>a basic stamp type chip that has two serial ports also, with 100 byte
>buffers.

If/when I get back into my serial box project, it will definitely go to a
mega128, and multiple smaller AVRs for the ports. I originally did it in
the 8535, and had only 512 bytes to work with for RAM. When you are doing
one host port, and eight client ports, that's 18 buffers to maintain, plus
it was also a DF unit which took a fair bit of ram itself. The MAX uarts
are funky to talk to, only have 16 byte buffers, and I had to put them all
on one int.
With the megas, I get 2k of SRAM, and I can have seven external ints, so
with the two ports onboard, I can get eight client ports, each with their
own int, and 500-ish bytes of buffer ram. Sweet!

>While driving around town today it dawned on me that the other market for
>this basic stamp smart beacon thing would be IDEAL for dr-135 folks. What
>with all the word about them reseting and loosing their memories, this unit
>could easily reprogram the dr135 at startup, and send set TX rate... LOC E 3
>command as needed.

Yup. Same here. The original design included a "command" channel, where you
could program serial port settings, handshake, etc, and also tell it what
you want it to do when the host is/isn't present, or set up canned init
strings for the ports.

Unfortunately, it's not going to happen until/unless one or more of the
authors decides to work with me on it, or I/we find someone to write driver
code that would set it up as COM-X-Y

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1047. [aprssig] Re: Fried Mazda 626 Computer w/2M ?

From: David VanHorn <dvanhorn@cedar.net>
Date: Sun, 30 Jun 2002 13:55:30 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-87430-2002.06.30-14.32.58--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

At 06:40 PM 6/30/2002 +0000, wa4tkg@attbi.com wrote:
>I belive it is possible I may have FRIED the cars'
>computer with a 2M rig.....the radio always seemed
>to SHUT DOWN, and not operate well;
>likely due to the poor antenna that was being used.
>Is it possible I FRIED the car computer by having a
>BAD installation in the car?

Possible, but not likely.
You would have to induce enough RF into the computer to kill components
that are designed to survive 400V alternator load dump transients on the
external wiring.

Directly coupling the antenna out to the computer's leads would be one way
to kill it. Otherwise, I don't think you could transfer enough energy for
anything beyond a minor upset.

In my old explorer, if I ran >100W on VHF, the rear window wiper would come
on by itself.

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1048. [aprssig] Re: WinAPRS & MFJ 1274 configuration HELP

From: "Spider" <spider@rivcom.net>
Date: Sun, 30 Jun 2002 11:59:26 -0700
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-87431-2002.06.30-14.37.31--lyris.aprssig#tapr.org@lists.tapr.org>

Rendered body type: text/plain

```
----- Original Message -----
From: "Bill Vodall - WA7NWP" <wa7nwp@yahoo.com>
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Sent: Sunday, June 30, 2002 11:07 AM
Subject: [aprssig] Re: WinAPRS & MFJ 1274 configuration HELP



> 2.4.6 has the Igate Mic-E conversion bug.  Where ever it's archived for
download -
> it should be removed and replaced with an updated version...  Hopefully
one that does
> NO Mic-E conversion on the IGate function.
>
> Bill, WA7NWP

Bill, the conversion issue has not been addressed in later releases of
WinAPRS.
Roughly 12.5% of the IS Traffic is this conversion traffic per a quick
study.  A deeper study is currently taking place to come up with better
numbers, but if anyone has taken the time to watch the IS, it's obviously a
problem regardless of the lame excuses I've seen posted....and it's a
problem that can be easily corrected with a software change or a software
update.

For those running dedicated Igates, I highly recommend UI-View32.  No Mic-E
troubles and VERY VERY stable.

I think APRSD, later versions, have corrected this problem.....a setting a
sysop can turn on or off.  Can someone confirm this please?  If this is
correct, the APRSD stations could update and help the IS.
WinAPRS is going to need a software update to get around the trouble.
UI-View V1.67 and V1.69 do not have the problem.
I do not know about PocketAPRS or whatever it's called.

Jim, WA6OFT
www.wa6oft.com







---
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```

1049. [aprssig] Re: Fried Mazda 626 Computer w/2M ?

From: Mark Fellhauer <sparkfel@qwest.net>
Date: Sun, 30 Jun 2002 14:07:49 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-87432-2002.06.30-14.46.33--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

```
At 01:40 PM 6/30/02, wa4tkg@attbi.com wrote:

>I belive it is possible I may have FRIED the cars'
>computer with a 2M rig.....



>Due to the need of a solder lug, for contact on
>the car battery terminal, the NEGATIVE terminal
>was NOT well secure, this even caused the car to
>not start, when the LIGHTS and DASH did come on.
>I am wondering if THIS may have indeed FRIED the
>car computer.

I would have to agree with Dave Van Horn.  RF probably did not kill the
computer.  But a loose negative battery terminal might.

73,

Mark
KC7BXS
```

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1050. [aprssig] Re: KPC3 ID/NOID settings

From: greg@clubnet.net
Date: Sun, 30 Jun 2002 12:17:23 -0700
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-87433-2002.06.30-14.56.54--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

On Sunday, June 30, 2002, at 11:44 AM, Ev Tupis (W2EV) wrote:
>
> Dear Greg,
> This is going to sound like a dopey question...especially since I think
> I'm
> going to be stating the obvious (given the last two sentences above).
> Is it
> your experience that WIDEn-N and TRACEn-N work perfectly correctly when
> it comes
> to dupe supression (even if WIDE,TRACE and RELAY don't)?
>
> Regards,
> Ev, W2EV

Ev,

I haven't done any serious testing for quite some time, but I don't recall any problems with the Kantronics algorithm when WIDEn-N and TRACEn-N were used. At the time, the checking was done to differentiate behavior between the generic routing and the n-N routing. Additional testing would be needed to prove that duplication suppression with the n-N routing works 100% of the time.

Greg
WB6ZSU

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1051. [aprssig] Re: KPC3 ID/NOID settings

From: "Wes Johnston" <wes@johnston.net>
Date: Sun, 30 Jun 2002 15:29:32 -0400
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: "aprs" <aprssig@tapr.org>
Message-ID: <LYR842-87435-2002.06.30-15.07.22--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Due to inconsistencies in our WIDE vs WIDEn-n coverage, I typically run a packet which includes RELAY, WIDE and WIDE3-3 as a catchall. This provides us with some dupes depending on my location. What I've seen is that if my kpc3plus digipeats a RELAY or WIDE it does not seem to remember that it already digi'ed that packet when it comes around again as a WIDEn-n.

Wes

----- Original Message -----
From: <greg@clubnet.net>
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Sent: Sunday, June 30, 2002 3:17 PM
Subject: [aprssig] Re: KPC3 ID/NOID settings

>
> On Sunday, June 30, 2002, at 11:44 AM, Ev Tupis (W2EV) wrote:
> >
> > Dear Greg,
> > This is going to sound like a dopey question...especially since I think
> > I'm
> > going to be stating the obvious (given the last two sentences above).
> > Is it

> > your experience that WIDEn-N and TRACEn-N work perfectly correctly when
> > it comes
> > to dupe supression (even if WIDE,TRACE and RELAY don't)?
> >
> > Regards,
> > Ev, W2EV
>
> Ev,
>
> I haven't done any serious testing for quite some time, but I don't
> recall any problems with the Kantronics algorithm when WIDEn-N and
> TRACEn-N were used. At the time, the checking was done to differentiate
> behavior between the generic routing and the n-N routing. Additional
> testing would be needed to prove that duplication suppression with the
> n-N routing works 100% of the time.
>
>
> Greg
> WB6ZSU
>
>
> ---
> You are currently subscribed to aprssig as: kd4rdb@netzero.com
> To unsubscribe send a blank email to leave-aprssig-842K@lists.tapr.org
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>
>
>

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1052. [aprssig] RE: Controlling the serial port

From: "Mike" <mboyce@kc.rr.com>
Date: Sun, 30 Jun 2002 14:45:15 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-87442-2002.06.30-15.22.55--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Use one gate of a hex cmos inverter as
as interface. Use a battery of at least
the expected voltage out of the DTR line.

Microsoft Certified Professional
Mike
k0coy@amsat.org
mboyce@kc.rr.com

Just keep on keeping on..!

-----Original Message-----
From: bounce-aprssig-19808@lists.tapr.org
[mailto:bounce-aprssig-19808@lists.tapr.org]On Behalf Of
ik7565@erols.com
Sent: Sunday, June 30, 2002 08:42
To: TAPR APRS Special Interest Group
Cc: TAPR APRS Special Interest Group
Subject: [aprssig] Controlling the serial port

The DTR line on my Dell laptop (running Win2k) serial port is always
high for some reason and as a result I can't do direct serial CW keying
through a Rigblaster Plus (has DTR LED to show state). Keys my rig
continuously. It doesn't appear to be a Rigblaster or keying software
problem because DTR is high before or after running the keying software
(part of Win-EQF). Any ideas on how to keep DTR low are greatly
appreciated!

73 de Ian
N8IK

David VanHorn wrote:
>
> At 10:57 PM 6/29/2002 -0500, Rich Osman wrote:

> >What I'd like to be able to do is write a software serial port for Win98
that
> >operates on the DTR/DSR or CTS/RTS lines. I know how to write the UART
code,
> >but I'm clueless about windows drivers.
>
> I designed a hardware box to do this, multiplexing up to eight serial
> ports, full duplex, into a single port, with cross-coupling (Feed data
from
> device A to device B) under software control, but I haven't had any luck
in
> getting support for it in any of the APRS platforms.
>
> ---
> You are currently subscribed to aprssig as: ik7565@erols.com
> To unsubscribe send a blank email to leave-aprssig-842K@lists.tapr.org
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You are currently subscribed to aprssig as: mboyce@kc.rr.com
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---

1053. [aprssig] Re: Controlling the serial port

From: "Mike Yetsko" <myetsko@insydesw.com>
Date: Sun, 30 Jun 2002 17:37:36 -0400
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-87452-2002.06.30-17.17.42--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

----- Original Message -----
From: <ik7565@erols.com>
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>

> The DTR line on my Dell laptop (running Win2k) serial port is always
> high for some reason and as a result I can't do direct serial CW keying
> through a Rigblaster Plus (has DTR LED to show state). Keys my rig
> continuously. It doesn't appear to be a Rigblaster or keying software
> problem because DTR is high before or after running the keying software
> (part of Win-EQF). Any ideas on how to keep DTR low are greatly
> appreciated!
>
> 73 de Ian
> N8IK

First off, Ian... on your post I see a CC to the list twice. Only a few
people do this to the list, and you're one of them. No big deal though.

I wonder... If I remember correctly, the original purpose of the DTR
signal was to indicate a unit was 'on'. I think in a lot of early devices
like teletypes it was wired right to the power supply. Now with
'intelligent' serial devices, that use of DTR sort of went away, and
since it is 'controllable' by a register in the interface, it's gained a
lot
of 'other' uses. Such as multiplexing or whatever. But every now
and then you can get a 'new' programmer who reads the 'old' spec
and has no idea how that relates to 'reality' of how something is used...
Is it possible Dell has a BIOS engineer that doesn't understand the
real world and keeps writing to an old spec?

Oh, and Dave... Using a modem control signal to mux is nothing new.
Remember all the old Radio Shack 'network adapters'? The first one
was nothing but a cassette adapter that let a teacher load a bunch of
TRS-80 computers over the cassette port from a central desk. Then
there was the 'Network II', which was the same thing, but optimized
for the 1500 baud cassette speed on the Model III's.

But the reason I bring that up is the 'Network III'. It was a SERIAL
switch, that let a host control which port the 'teachers' machine would
talk to...

Mike

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1054. [aprssig] Re: WinAPRS & MFJ 1274 configuration HELP

From: Earl Needham <needhame@yucca.net>
Date: Sun, 30 Jun 2002 15:36:11 -0600
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-87453-2002.06.30-17.19.27--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

At 11:59 AM 6/30/2002 -0700, Spider wrote:
>For those running dedicated Igates, I highly recommend UI-View32. No Mic-E
>troubles and VERY VERY stable.

And you can't zoom the maps.

Face it -- there IS no one APRS program that does everything the way you want it to. Use UI-View32 for the digi and the IGATE stuff, use WinAPRS for the mapping, use APRS+ so you can lay out a trip in SA and see stations you will be near, use APRSdos because you want to utilize the computer in the corner...

We need a "Swiss Army Knife" program! <G>

7 3
Earl

Earl Needham, KD5XB, Clovis, New Mexico DM84jk
KD5XB-2>APW251,PCSAT-1*:=3425.83N/10313.55W-PHG7150/WinAPRS 2.5.1
-EARL_CLOVIS -251-<630>
Did you get a letter from Nigeria offering a "deal"? See
http://home.rica.net/alphae/419coal/ and
http://www.crimes-of-persuasion.com/Crimes/Business/nigerian.htm

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1055. [aprssig] Findu alternative

From: Earl Needham <needhame@yucca.net>
Date: Sun, 30 Jun 2002 15:47:47 -0600
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-87457-2002.06.30-17.27.00--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

What was the address for the "mirror" of Findu? Seems like it ran on a Mac or something...

Thanks,
Earl

Earl Needham, KD5XB, Clovis, New Mexico DM84jk
KD5XB-2>APW251,PCSAT-1*:=3425.83N/10313.55W-PHG7150/WinAPRS 2.5.1
-EARL_CLOVIS -251-<630>
Did you get a letter from Nigeria offering a "deal"? See
http://home.rica.net/alphae/419coal/ and
http://www.crimes-of-persuasion.com/Crimes/Business/nigerian.htm

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1056. [aprssig] Re: WinAPRS & MFJ 1274 configuration HELP

From: "Spider" <spider@rivcom.net>
Date: Sun, 30 Jun 2002 14:59:23 -0700

To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-87460-2002.06.30-17.37.32--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

----- Original Message -----
From: "Earl Needham" <needhame@yucca.net>
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Sent: Sunday, June 30, 2002 2:36 PM
Subject: [aprssig] Re: WinAPRS & MFJ 1274 configuration HELP

> At 11:59 AM 6/30/2002 -0700, Spider wrote:
> >For those running dedicated Igates, I highly recommend UI-View32. No
Mic-E
> >troubles and VERY VERY stable.
>
>   And you can't zoom the maps.
>
>   Face it -- there IS no one APRS program that does everything the
> way you want it to. Use UI-View32 for the digi and the IGATE stuff, use
> WinAPRS for the mapping, use APRS+ so you can lay out a trip in SA and see
> stations you will be near, use APRSdos because you want to utilize the
> computer in the corner...
>
>   We need a "Swiss Army Knife" program! <G>
>
>   7 3
>   Earl
>
>
> Earl Needham, KD5XB, Clovis, New Mexico DM84jk
> KD5XB-2>APW251,PCSAT-1*:=3425.83N/10313.55W-PHG7150/WinAPRS 2.5.1
> -EARL_CLOVIS -251-<630>
> Did you get a letter from Nigeria offering a "deal"? See
> http://home.rica.net/alphae/419coal/ and
> http://www.crimes-of-persuasion.com/Crimes/Business/nigerian.htm
>
>
> ---
> You are currently subscribed to aprssig as: spider@rivcom.net
> To unsubscribe send a blank email to leave-aprssig-842K@lists.tapr.org
> Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org
>
>
>

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1057. [aprssig] Re: Controlling the serial port

From: David VanHorn <dvanhorn@cedar.net>
Date: Sun, 30 Jun 2002 17:01:13 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-87461-2002.06.30-17.39.18--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

>
>Oh, and Dave... Using a modem control signal to mux is nothing new.

It dosen't work any better today, than when it was first conceived,
especially on devices that aren't designed for it's presence.

When you have devices, like GPS and TNCs, that output data more or less
constantly, then you have switching occurring in the middle of data, and in
the middle of bytes. If there isn't active error detection, then you get
scrambled data.

>Remember all the old Radio Shack 'network adapters'? The first one
>was nothing but a cassette adapter that let a teacher load a bunch of
>TRS-80 computers over the cassette port from a central desk. Then
>there was the 'Network II', which was the same thing, but optimized
>for the 1500 baud cassette speed on the Model III's.

I bet you the protocol was something along the lines of slaves responding
to the master. The master could then switch ports, knowing that nobody was

```
supposed to be talking, and that anything coming in right after a switch is
noise.  We don't have any of those protections with the equipment we use.



---
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1058. [aprssig] Re: Controlling the serial port

From: "Mike Yetsko" <myetsko@insydesw.com>
Date: Sun, 30 Jun 2002 18:38:38 -0400
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-87464-2002.06.30-18.19.36--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

```
> >Oh, and Dave...  Using a modem control signal to mux is nothing new.
>
> It dosen't work any better today, than when it was first conceived,
> especially on devices that aren't designed for it's presence.

That's true.  And in the Radio Shack case, the software made it a
'captive audience' so to speak.

With the GPS and other devices, you really need a 'store forward' type
box...

Hmm....  I wonder, just how much data would it have to 'store' before
it would be able to 'forward'...

Mike



---
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1059. [aprssig] Re: Controlling the serial port

From: David VanHorn <dvanhorn@cedar.net>
Date: Sun, 30 Jun 2002 17:48:15 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-87465-2002.06.30-18.25.33--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

```
>
>Hmm....  I wonder, just how much data would it have to 'store' before
>it would be able to 'forward'...

That's how my serial box works.
I buffer and packetize the data, and pipe it to the host.
Same thing in reverse for outbound data.

As it sits now, I can go up to 8 bytes in a packet. Not too efficient, but
the 115200 link to the host makes up for a lot.

If I port it to MegaAVRs, then I can go MUCH larger, 16-32 bytes per easily.
Ideally though, all the packets are small. I keep whipping through the
ports, and whatever's come in, I ship it out, rather than letting it build
up. Keeps latencies down.



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1060. [aprssig] WinAPRS 2.6.1 and MFJ1274

From: "Dean Blosberg" <dean.blosberg@medtronic.com>
Date: Sun, 30 Jun 2002 18:9:19
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-87466-2002.06.30-18.47.02--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

At the suggestion of many I updated to 2.6.1 and still have same issues
running WinAPRS and my TNC.

Hyperterminal communicates with TNC just fine, WinAPRS running and going to
terminal page shows junk. I am using the exact comm 1 settings of baud
1200, even parity, 7 bits and 1 stop - does not work...

Maybe my TNC settings?

I tried turning on KISS mode and going back to WinAPRS still nothing but
junk...

1. Any other (non expensive) ideas?

2. Is any one ising this set up that can tell me what they are using for
settings?

Thank you, I hope to be on the air soon!

Dean N0HOY Minneapolis

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---

1061. [aprssig] Re: WinAPRS 2.6.1 and MFJ1274

From: Earl Needham <needhame@yucca.net>
Date: Sun, 30 Jun 2002 17:21:45 -0600
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-87469-2002.06.30-19.00.01--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

At 06:09 PM 6/30/2002 +0000, Dean Blosberg wrote:
>At the suggestion of many I updated to 2.6.1 and still have same issues
>running WinAPRS and my TNC.
>
>Hyperterminal communicates with TNC just fine, WinAPRS running and going to
>terminal page shows junk. I am using the exact comm 1 settings of baud
>1200, even parity, 7 bits and 1 stop - does not work...
>
>Maybe my TNC settings?
>
>I tried turning on KISS mode and going back to WinAPRS still nothing but
>junk...
>
>1. Any other (non expensive) ideas?

Yeah, a couple --

First, in WinAPRS (any version), go into SETTINGS and then SERIAL PORT and verify that you have VHF on port #1 and 1200 BPS. I believe the default is 9600, so there's one possibility. And I know you've already stated you have the settings right, but just humor me and check them. Then check them again!

Once you have that done, close out the TNC port by "un-checking" the OPEN VHF TNC line under SETTINGS. Then re-open it by checking the line again.

Next, go under WINDOWS and click on TERMINAL WINDOW and see if you can communicate with the TNC in that window. Ought to work, unless your TNC is in KISS mode or something, in which case, go under SETTINGS, then TNC COMMANDS, and then VHF -- EXIT KISS MODE. If that doesn't work, try VHF -- EXIT KANTRONICS HOST MODE under the same menu.

One of those ought to get you going...

7 3
Earl

Earl Needham, KD5XB, Clovis, New Mexico DM84jk
KD5XB-2>APW251,PCSAT-1*:=3425.83N/10313.55W-PHG7150/WinAPRS 2.5.1
-EARL_CLOVIS -251-<630>
Did you get a letter from Nigeria offering a "deal"? See
http://home.rica.net/alphae/419coal/ and
http://www.crimes-of-persuasion.com/Crimes/Business/nigerian.htm

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```

1062. [aprssig] Re: Findu alternative

From: "Dave Thege" <dthege@ncfcomm.com>
Date: Sun, 30 Jun 2002 18:29:29 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-87471-2002.06.30-19.04.43--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

```
Know Where Web page update:
http://4.46.81.200
 Try the above link it works for me.
Dave N0XBN
----- Original Message -----
From: "Earl Needham" <needhame@yucca.net>
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Sent: Sunday, June 30, 2002 4:47 PM
Subject: [aprssig] Findu alternative


>
> What was the address for the "mirror" of Findu?  Seems like it ran on a
> Mac or something...
>
> Thanks,
> Earl
>
>
> Earl Needham, KD5XB, Clovis, New Mexico  DM84jk
> KD5XB-2>APW251,PCSAT-1*:=3425.83N/10313.55W-PHG7150/WinAPRS 2.5.1
> -EARL_CLOVIS -251-<630>
> Did you get a letter from Nigeria offering a "deal"?  See
> http://home.rica.net/alphae/419coal/ and
> http://www.crimes-of-persuasion.com/Crimes/Business/nigerian.htm
>
>
> ---
> You are currently subscribed to aprssig as: dthege@ncfcomm.com
> To unsubscribe send a blank email to leave-aprssig-842K@lists.tapr.org
> Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org
>
>


---
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Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org
```

1063. [aprssig] Re: Fried Mazda 626 Computer w/2M ?

From: Mark Cheavens <mcheavens@usa.net>
Date: Sun, 30 Jun 2002 18:44:02 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-87478-2002.06.30-19.21.25--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

```
More details needed.....What year and model of Mazda?
What are the symptoms?

Mark Cheavens
KC5EVE
Field Service Engineer
Mazda North American Operations

At 06:40 PM 6/30/2002 +0000, wa4tkg@attbi.com wrote:
>I belive it is possible I may have FRIED the cars'
>computer with a 2M rig.....the radio always seemed
>to SHUT DOWN, and not operate well;
>likely due to the poor antenna that was being used.
>Is it possible I FRIED the car computer by having a
>BAD installation in the car?
>The power cables were/are wired DIRECTLY
>to the battery, through the fire wall.
>I have been told it is quite COMMON to have the
>computer in your car go BAD, and need replacing.
```

>Due to the need of a solder lug, for contact on
>the car battery terminal, the NEGATIVE terminal
>was NOT well secure, this even caused the car to
>not start, when the LIGHTS and DASH did come on.
>I am wondering if THIS may have indeed FRIED the
>car computer.
>
>(The radio being used was (is) a Yaesu FT-2600M)
>
>---
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1064. [aprssig] Re: WinAPRS & MFJ 1274 configuration HELP

From: Bill Diaz <william.diaz@attbi.com>
Date: Sun, 30 Jun 2002 18:47:27 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-87479-2002.06.30-19.25.17--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Earl,

On Sunday, June 30, 2002 16:36, Earl Needham [SMTP:needhame@yucca.net]
wrote:
> At 11:59 AM 6/30/2002 -0700, Spider wrote:
SNIP
>   And you can't zoom the maps.
>
>   Face it -- there IS no one APRS program that does everything the

> way you want it to. Use UI-View32 for the digi and the IGATE stuff, use
> WinAPRS for the mapping, use APRS+ so you can lay out a trip in SA and
see
> stations you will be near, use APRSdos because you want to utilize the
> computer in the corner...

Precision Mapping 5.0 mapping tools can do address to address trip routing,
but not, IMO, as well as Delorme. Unfortunately, WinAprs hides most of the
PM 5.0 mapping functionality from the user.

Avalailable PM 5.0 features that are missing from WinAprs.
1. Trip or Street address to street address routing.
2. Add new streets to map.
3. Add new Places to the map.
4. Street hints. See street addresses when you move your mouse over a
zoomed in map.
5. Draw map scalebar.
6. Rotate map in direction of travel.
7. Rotate icons in 1 degree steps.
8. North pointing arrow.
9. Save Map to bmp file.
10. Display mapping toolbar.
11. Load underlays (bmp.file).
12. Load overlay files (*.ovr, *.cmx files).
13. and more.

Bill KC9XG.
>   We need a "Swiss Army Knife" program! <G>
>
>   7 3
>   Earl
>
>
> Earl Needham, KD5XB, Clovis, New Mexico DM84jk

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1065. [aprssig] Re: Fried Mazda 626 Computer w/2M ?

From: David VanHorn <dvanhorn@cedar.net>
Date: Sun, 30 Jun 2002 18:50:24 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-87481-2002.06.30-19.28.49--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

```
At 06:44 PM 6/30/2002 -0500, Mark Cheavens wrote:
>More details needed.....What year and model of Mazda?
>What are the symptoms?
>
>Mark Cheavens
>KC5EVE
>Field Service Engineer
>Mazda North American Operations

I am willing to bet that Mark here has the answers :)


---
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```

1066. [aprssig] Re: KPC3 ID/NOID settings

From: Mark Cheavens <mcheavens@usa.net>
Date: Sun, 30 Jun 2002 18:52:07 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-87482-2002.06.30-19.29.38--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

```
In my testing I was able to see duplicates on packets that were sent
wide3-3. In the doc I submitted when I started this thread It had an
example of a Wide3-3 packet that was sent twice by the KPC on my bench.

Mark Cheavens
KC5EVE

At 02:44 PM 6/30/2002 -0400, Ev Tupis (W2EV) wrote:
>greg@clubnet.net wrote:
> >
> > The inadequate packet duplication checking algorithm of the KPC-3/KPC-3+
> > is the main reason the SysOps in Southern California decided to
> > configure the LA metro area digis to respond only to WIDEn-N and
> > TRACEn-N.  The algorithm only checks for duplicate packets that are
> > addressed to digipeaters names defined by the UIFLOOD and UITRACE
> > (typically WIDEn-N and TRACEn-N) parameters of the TNC.  It DOES NOT
> > check for generic RELAY or WIDE.
>
>Dear Greg,
>This is going to sound like a dopey question...especially since I think I'm
>going to be stating the obvious (given the last two sentences above).  Is it
>your experience that WIDEn-N and TRACEn-N work perfectly correctly when it
>comes
>to dupe supression (even if WIDE,TRACE and RELAY don't)?
>
>Regards,
>Ev, W2EV
>--
>BEACONet lets you look at the world in ways never before imagined.
>http://go.to/BEACONet
>
>
>---
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```

1067. [aprssig] What we need... [was: WinAPRS & MFJ 1274 configuration HELP]

From: "Ev Tupis (W2EV)" <w2ev@arrl.net>
Date: Sun, 30 Jun 2002 19:51:21 -0400
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>

Message-ID: <LYR842-87483-2002.06.30-19.30.23--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Earl Needham wrote:
> We need a "Swiss Army Knife" program! <G>

Earl has said a very profound thing. Others have eluded to it though I doubt they realized it.

What APRS (and frankly...the whole unconnected-data Amateur data world) needs is a super simple basic development engine with easy plug-in capability. UI-View is close to just such a thing...but misses on several important areas.

Enter: "The UnIversal Engine" (or UI-Engine). It's purpose is to simply "accept" data (from several possible sources), parse it against "the protocol", trap for errors (sending appropriate error messages to some "port") and pass the parsed/trapped information out to another "port" for further processing (ie. display, encoding, transmission, or some other action).

The "tricks" include:

- make *every* protocol parameter user-definable
- allow for users of the engine to select from multiple protocol 'stacks' so that the UI-Engine could be used not only for APRS but also BEACONet and just about any other UI-service that one could come up with.
- be sure to write it with 'standard' hooks so that others could write 'plug-ins' to suite their purpose
  - Multi-port TCP/IP support
  - ODBC support
  - XML support
  - DDE support
  - etc.

Think of this as the "killer spreadsheet program" of the Amateur UI Data World; people use spreadsheets for lots of purposes (a while ago I even designed one that showed polar plots of a phased 2-element antenna array and changed as the phase relationship between the elements changed). The spreadsheet manufacturer simply designed "a development environment" and let the creativity of the individual take it where they needed to go.

UnIversal Engine could do the same thing for Amateur Data Services.

Think about it for a while before just blowing this off as yet another goofy Ev-idea. This is bigger than 'just APRS'. It has the ability to be a testing and development ground for data modes and services that have yet to be designed. You know I'm right. :o)

Ev, W2EV
--
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---

1068. [aprssig] The 'right' way to launch APRS frames [was: KPC3 ID/NOID settings]

From: "Ev Tupis (W2EV)" <w2ev@arrl.net>
Date: Sun, 30 Jun 2002 20:08:01 -0400
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-87484-2002.06.30-19.46.57--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Wes Johnston wrote:
>
> Due to inconsistencies in our WIDE vs WIDEn-n coverage, I typically run a packet which includes RELAY, WIDE and WIDE3-3 as a catchall. This provides us with some dupes depending on my location. What I've seen is that if my kpc3plus digipeats a RELAY or WIDE it does not seem to remember that it already digi'ed that packet when it comes around again as a WIDEn-n.
>
> Wes

A-ha! This makes sense to me...especially in the context of APRS where such a personality is not a bad thing.

In fact, it is advantageous to have the first digipeat be 'non dupe-supressing' because the idea of APRS is to have just enough TX redundancy so as to get to the tall-powerful regional digipeaters (at altitude, with good coverage). Once there, the "ether" us much busier and *that* is where the 'non-dupe' algorithm should be used.

Bob said it before...there is very little reason in the year 2002 for APRS Wide-coverage digipeaters to not respond to WIDEn-N and TRACEn-N; and for all mobile users to launch packets as RELAY,WIDEn-N and all fixed users launch as CALLSIGN,WIDEn-N (or just WIDEn-N if direct to a digi). Doing so would 're-unify' the APRS service across the continent for mobile users.

Now...for the radical question: How many wide-area digipeaters do *not* respond to WIDEn-N and TRACEn-N? It would be good to identify just how much of a profile these stations consume... *then* we can talk about what it would take to bring them into 'compliance' with this vision.

Ev, W2EV
--
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---

1069. [aprssig] Re: Controlling the serial port

From: "Wes Johnston" <wes@johnston.net>
Date: Sun, 30 Jun 2002 20:12:21 -0400
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-87485-2002.06.30-19.51.07--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

I don't want this to appear that I don't think that Dave's serial octopus is not a good idea. It's a great idea, esp for people with laptops. However, it's a chicken and egg problem that's getting nowhere fast, and that's a damned shame. It also has the potential to switch a tnc in and out of stand alone tracker mode if a host is or isn't connected. Tha'ts great stuff!!!

The GPS used with an HSP is a special case... the GPS sends data soooo often, we can afford to miss a few seconds of data, and later pick up where we left off. Other serial devices pose a problem, however, most others have flow control.

Why not an "intelligent" hsp? a 555 timer as a "missing pulse" detector... you simply wait for so many mS of quiet time on the serial line before you allow the DTR signal to switch.... consider it a "zero crossing switch" like one would use in AC power switching ... would go something like this....

1. data is streaming in from TNC.
2. PC asserts the DTR line.
3. 555 timer makes the TNC stay connected to the PC serial port until so many mS of silence on the line is heard. After so many mS of silence, we just assume that we've seen the end of a packet and the TNC is waiting for another to come in over the air.
4. CTS is asserted, stemming the flow of data from TNC.
5. 2nd 555 timer won't allow the GPS to be connected to PC's serial port until so many mS of quiet time.
6. Finally, the GPS is permitted to connect to the PC serial port we hold this state for a while...
7. DTR is un-asserted by the PC.
8. 555 timer drill happens all over again. GPS won't release the line until so many mS of silence.
9. TNC line is silent since we're previously stemmed the flow with CTS. We simply let CTS fall, and tnc sends data if it has any.

Could also be done with a PIC chip (or avr... hi hi dave.) where the PIC chip just switched the serial data lines with 2n3904 xistors. The pic chip would have the job of watching the serial lines for the aforementioned delays and asserting the flow control lines as needed. heck, the PIC could even count the delays in the GPS data stream, and switch auto every 20 or 30 seconds.. or even every second. I know my GPS spits out data every two seconds with nearly a whole second of quiet time on the line between.

Wes

----- Original Message -----
From: "Mike Yetsko" <myetsko@insydesw.com>
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>

Sent: Sunday, June 30, 2002 6:38 PM
Subject: [aprssig] Re: Controlling the serial port

```
> > >Oh, and Dave...  Using a modem control signal to mux is nothing new.
> >
> > It dosen't work any better today, than when it was first conceived,
> > especially on devices that aren't designed for it's presence.
>
> That's true.  And in the Radio Shack case, the software made it a
> 'captive audience' so to speak.
>
> With the GPS and other devices, you really need a 'store forward' type
> box...
>
> Hmm....  I wonder, just how much data would it have to 'store' before
> it would be able to 'forward'...
>
> Mike
>
>
>
> ---
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>
>
>
```

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---

1070. [aprssig] Re: KPC3 ID/NOID settings

From: "Ev Tupis (W2EV)" <w2ev@arrl.net>
Date: Sun, 30 Jun 2002 20:14:51 -0400
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-87486-2002.06.30-19.53.59--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

> I haven't done any serious testing for quite some time, but I don't
> recall any problems with the Kantronics algorithm when WIDEn-N and
> TRACEn-N were used. At the time, the checking was done to differentiate
> behavior between the generic routing and the n-N routing. Additional
> testing would be needed to prove that duplication suppression with the
> n-N routing works 100% of the time.

I understand. Thanks for the clarification, Greg. This got my interest because in BEACONet.25 we use a TRACEn-N alias exclusively. The reason was simple: if/when the band opens for world-wide propagation we have, in effect, a v-e-r-y large collision domain. Alternatively, during VHF Contests it is entirely possible to have several hundred people LOS to each other (ok...I'm dreaming on this one...but this aspect of BEACONet.25 operation has yet to be exploited). Anti-dupe is essential to maintaining a channel load that could support the service.

It looks like this was (and still is) a good choice for BEACONet.25 (an AX.25 service that is a "1st cousin" to APRS). Thanks for the clarification.

Warm regards,
Ev, W2EV
--
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---

1071. [aprssig] Re: KPC3 ID/NOID settings

From: "Ev Tupis (W2EV)" <w2ev@arrl.net>
Date: Sun, 30 Jun 2002 20:26:02 -0400
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>

Message-ID: <LYR842-87487-2002.06.30-20.04.54--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

```
Mark Cheavens wrote:
>
> In my testing I was able to see duplicates on packets that were sent
> wide3-3. In the doc I submitted when I started this thread It had an
> example of a Wide3-3 packet that was sent twice by the KPC on my bench.

Hi Mark,
Were they duplicated at the WIDE3-3 level or at the RELAY level (before the
WIDE3-3 was invoked)?

In other words...if the frame was launched as RELAY,WIDE2-2, and it went through
two different RELAYS to the same WIDE, then this is not really a duplicate
frame, is it?

Sorry...I missed the document (it must have been before my interest in the
thread was piqued <smile>).

Regards,
Ev, W2EV
--
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```

1072. [aprssig] Re: What we need... [was: WinAPRS & MFJ 1274 configuration HELP]

From: "Gregg G. Wonderly" <gregg@skymaster.c2-tech.com>
Date: Sun, 30 Jun 2002 19:29:24 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: TAPR APRS Special Interest Group <aprssig@lists.tapr.org>
Message-ID: <LYR842-87488-2002.06.30-20.07.09--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

```
>Enter: "The UnIversal Engine" (or UI-Engine).  It's purpose is to simply
>"accept" data (from several possible sources), parse it against "the
protocol",
>trap for errors (sending appropriate error messages to some "port") and pass
the
>parsed/trapped information out to another "port" for further processing (ie.
>display, encoding, transmission, or some other action).

This is what JeAPRS is about (http://groups.yahoo.com/group/jeaprs).  But I've
been trying to get people interested in it, but apparently everyone likes just
windows, C programs that crash with no mention of why and assorted other
biases abound...

-----
gregg@c2-tech.com  (C2 Technologies Inc)



---
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```

1073. [aprssig] Re: What we need... [was: WinAPRS & MFJ 1274 configuration HELP]

From: "Ev Tupis (W2EV)" <w2ev@arrl.net>
Date: Sun, 30 Jun 2002 20:44:16 -0400
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-87491-2002.06.30-20.23.02--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

```
"Gregg G. Wonderly" wrote:
>
> >Enter: "The UnIversal Engine" (or UI-Engine).  It's purpose is to simply
> >"accept" data (from several possible sources), parse it against "the
> protocol",
> >trap for errors (sending appropriate error messages to some "port") and pass
> the
> >parsed/trapped information out to another "port" for further processing (ie.
> >display, encoding, transmission, or some other action).
```

>
> This is what JeAPRS is about (http://groups.yahoo.com/group/jeaprs). But I've
> been trying to get people interested in it, but apparently everyone likes just
> windows, C programs that crash with no mention of why and assorted other
> biases abound...

Fire your ad agency. They've done you a dis-service :o)

If your system will truly do this it is a good start to what I was describing.
How does it handle the other features that were noted in the original message
such as user-control of each protocol specification and ability to choose
multiple setups?

Ev, W2EV

--
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1074. [aprssig] Re: What we need... [was: WinAPRS & MFJ 1274 configuration HELP]

From: "Gregg G. Wonderly" <gregg@skymaster.c2-tech.com>
Date: Sun, 30 Jun 2002 20:15:50 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: TAPR APRS Special Interest Group <aprssig@lists.tapr.org>
Message-ID: <LYR842-87493-2002.06.30-20.53.30--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

>If your system will truly do this it is a good start to what I was
describing.
>How does it handle the other features that were noted in the original message
>such as user-control of each protocol specification and ability to choose
>multiple setups?

Okay, JeAPRS is a container architecture that you plug in things that do what
you want to do. I have created pieces and modules that support APRS directly.
There are objects that implement the TNC interface. From this interface
implementation, you can hook up anything using the IO mapping mechanisms. I
created and APRSStreamHandler that you hook 1 or more TNC implementors up to.

In my APRSStreamHandler, you register APRSEventListener objects and/or
streamListeners (that just see the RAW TNC data). The modules that I have
written are all APRSEventListeners and can thus be registered to get method
calls from this interface that returns packets and data objects with the data
objects being unique to each APRS message type.

So, if you want to do non-APRS packets, you attach as an streamListener and
you get the raw data. The APRS parser will ignore the packet if it doesn't
match one of the packet types. Or if there is no APRS needed in your
application, then you can write whatever modules you need and just use a TNC
implementation.

The JeAPRS UI will have the ability to use user defined configs of different
sets of objects with different I/O configurations. I just haven't finished
the work on that yet.

There are some interfaces and classes that have APRS in their name that
shouldn't in the current code base. I am trying to rename things as I have
time. I used APRS in a lot of names because that was the initial target
application. As I refactored some of the code, I neglected to rename in some
cases where I should have.

Understand, I have been working on this off and on for about 2 years, and have
used it for my APRS station when at home and via my IOpener for the past
18months. I even have a version of the code that I dumbed down to run on the
J2ME/MIDP (cell phones) environment, but it has too many classes to run on my
motorola/nextel phone. It does work in the emulator though (as the pictures at
http://www.c2-tech.com/~gregg/w5ggw/aprs show).

It may not do exactly everything you want yet, but my intent was to create a
generic packet radio container that would allow APRS and similar UI protocols
to be experimented with, and in particular allow people to create their own
small custom modules that we can't get the mainstream APRS software programs
to implement because of the small audiences.

-----
gregg@c2-tech.com (C2 Technologies Inc)

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---

1075. [aprssig] Re: What we need... [was: WinAPRS & MFJ 1274 configuration HELP]

From: "Ev Tupis (W2EV)" <w2ev@arrl.net>
Date: Sun, 30 Jun 2002 21:45:21 -0400
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-87496-2002.06.30-21.24.12--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Hi Gregg,
I tried to understand what you said...but I couldn't follow it (typical ill informed end-user that I am) <smile>. I'm sorry. You probably used terms that are related to Java programming conventions that are foreign to me.

I followed your link but couldn't find anything to download and try. In fact, the closest thing that I saw was:

JeAPRS - A Java APRS Application Development Environment

Programming API - Comming soon!
Windows Install - Comming soon!
Overview and some Pictures

How would I try out JeAPRS for myself (I may have missed a link)? I'd like to find out how much control I have over the protocol that is parsed and displayed (for instance...the APRS protocol says "All caps", however in BEACONet^31 there is an advantage to using lower-case letters because PSK31 favors them with faster TX speeds).

Thanks for the insights to your product. It sounds like a great step in the right direction!

Ev, W2EV
--
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---

1076. [aprssig] Dupe Supression [was: KPC3 ID/NOID settings]

From: "Ev Tupis (W2EV)" <w2ev@arrl.net>
Date: Sun, 30 Jun 2002 21:54:01 -0400
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-87497-2002.06.30-21.32.48--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

According to the KPC3+ (ROM 8.2) manual, dupe supression was invoked only for WIDEn-N and TRACEn-N. Even then, each digi has the ability to identify the amount of time it will listen for a duplicate transmission before allowing it to be digipeated.

UIFLOOD WIDE,30,ID will listen for duplicate WIDEn-N frames for 30 seconds after an initial frame was heard. After that expires, it will digi what it hears (even if it is a dupe of one that came 31 seconds ago).

If dupe's are being propagated, the first place to look is the ## setting in the UIFLOOD parameter of the digi that is digipeating the dupes. Maybe that number is too low, given an areas digipeating personality?

Looking over the manual though... I can't find a mention as to what constitutes a 'dupe'. Is it the payload? Is it the UNPROTO? Is it a combination? Can anyone offer any insights here? I'm sure it's been discussed before...it's just my feeble memory at work. :o)

Ev, W2EV
--

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1077. [aprssig] Re: What we need... [was: WinAPRS & MFJ 1274 configuration HELP]

From: "Gregg G. Wonderly" <gregg@skymaster.c2-tech.com>
Date: Sun, 30 Jun 2002 21:09:31 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: TAPR APRS Special Interest Group <aprssig@lists.tapr.org>
Message-ID: <LYR842-87499-2002.06.30-21.47.13--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

>Hi Gregg,
>I tried to understand what you said...but I couldn't follow it (typical ill
>informed end-user that I am) <smile>. I'm sorry. You probably used terms
that
>are related to Java programming conventions that are foreign to me.

In Java, interfaces are used to describe the contract between the implementation and the user. In a sense, it is like a C++ class that is completely virtual in that it states the signatures of the methods, but is not the implementation.

So, TNC is a specification of the contract between the implementation of access to a UI frame source and the users of that UI frame data.

-----
gregg@c2-tech.com (C2 Technologies Inc)

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---

1078. [aprssig] Re: KPC3 ID/NOID settings

From: "Ev Tupis (W2EV)" <w2ev@arrl.net>
Date: Sun, 30 Jun 2002 22:27:44 -0400
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-87501-2002.06.30-22.06.34--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Hi Mark,
I'm looking at the three groups of packets that you received and concluded that Dupe supression was not working. They included the following:

```
===== Group 1 =====
KA5GLX>GPSLJ,RELAY*,WIDE:...payload...
KA5GLX>GPSLJ,RELAY,W5MAY-8*:...same payload...
KA5GLX>GPSLJ,AI5TX-2*,WIDE:...same payload...
KA5GLX>GPSLJ,AI5TX-2,W5MAY-8*:...same payload...

===== Group 2 =====
KC5EVE-9>RY4S4R,RELAY,WIDE3-3:'{3?l  >/
KC5EVE-9>RY4S4R,W5MAY-8*,WIDE3-3:'{3?l  >/
KC5EVE-9>RY4S4R,W5MAY-8*,WIDE3-2:'{3?l  >/
KC5EVE-9>RY4S4R,K5WH-2*,WIDE3-2:'{3?l  >/
KC5EVE-9>RY4S4R,K5WH-2*,WIDE3-1:'{3?l  >/

===== Group 3 =====
W5RRR-7>ID,W5MAY-8*,WIDE:W5RRR-7/R WIDE/D RELAY/N
W5RRR-7>ID,AI5TX-2*,WIDE:W5RRR-7/R WIDE/D RELAY/N
W5RRR-7>ID,W5MAY-8,AI5TX-2*: W5RRR-7/R WIDE/D RELAY/N
W5RRR-7>ID,AI5TX-2,W5MAY-8*:W5RRR-7/R WIDE/D RELAY/N
```

Group 1 and Group 3 appear to be launched via RELAY,WIDE. Giving the Kantronics KPC-3+ (ROM 8.2) manual a quick once-over, I cannot find any reference to Dupe supression when using the aliases of RELAY, WIDE and TRACE. It appears that this is working correctly. In fact, it is a good argument for folks to be using RELAY,WIDE3-3 rather than RELAY,WIDE. In this case, a gentle note to the frame-launching station to ask them to reconfigure their UNPROTO may be in order.

```
This leaves Group 2 for discussion...
                           RELAY      WIDE3-2    WIDE3-1

KC5EVE via RELAY,WIDE3-3 ->W5MAY   ->
                         ->unknown -> W5MAY
                         ->unknown -> K5WH
                         ->unknown -> unknown -> K5WH
```

Unfortunately, because of the implementation of WIDEn-N (in destroying the previous UNPROTO alias), it is difficult to know exactly what is going on. For a test that is more apt to provide you with data that you can better analyze, I would suggest that you change your UNPROTO to RELAY,TRACE3-3 and see what is actually going on. For instance, is it possible that you are within LOS range of a non-call-substituting RELAY digi that is clouding the analysis of your data (knowing that RELAY is not a dupe-supressing alias)?

Regards,
Ev Tupis, W2EV
--
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1079. [aprssig] Re: Controlling the serial port

From: k5qq@juno.com
Date: Sun, 30 Jun 2002 21:08:19 -0600
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-87502-2002.06.30-22.51.36--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

You might check the Rigblaster site. On Windows ME, this was a problem and they guys at Rigblaster had a link to a site where you could set the serial ports
at boot time. It works fine for me on my ME and might be the fix for your
W2K system.

If you don't have any luck on their site, let me know and I will do some more
digging to see where I had the stuff.

Jim K5Qq

----- Original Message -----
From: <ik7565@erols.com>
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>

The DTR line on my Dell laptop (running Win2k) serial port is always high for some reason and as a result I can't do direct serial CW keying through a Rigblaster Plus (has DTR LED to show state). Keys my rig continuously. It doesn't appear to be a Rigblaster or keying software problem because DTR is high before or after running the keying software (part of Win-EQF). Any ideas on how to keep DTR low are greatly appreciated!

____
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1080. [aprssig] Re: LONG TRIP

From: "Brian B. Riley \(N1BQ\) ListAcct" <n1bq_list@wulfden.org>
Date: Sun, 30 Jun 2002 23:48:49 -0400

To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-87504-2002.06.30-23.26.32--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

I am afraid I cannot say I have 'travelled extensively,' and I sure haven't had any 'private communications' with the power that be. I am just a guy living out in the sticks right next door to another country who goes up there on a fairly regular basis (will be getting even more regular since my stepson starts college in Montreal in the Fall!) and with a lot of friends and acquaintances from the other side who come down this way with equal regularity. We don't bother changing Status text every time we go over the border. This is how we do it every day up here ...

Gee, you better stock up provisions and saddle up ... you have several thousand Canadian and American APRS hams up here educate on our regulatory improprieties.

P.S. to my knowledge, in this region at least, no one has ever been cited for operating in this manner and APRS has been very active here for quite a number of years.

-----Original Message-----
From: bounce-aprssig-25883@lists.tapr.org
[mailto:bounce-aprssig-25883@lists.tapr.org]On Behalf Of AE5PL Lists
Sent: Friday, June 28, 2002 6:19 PM
To: TAPR APRS Special Interest Group
Subject: [aprssig] Re: LONG TRIP

Brian,

You are incorrect. Transmitting your lat/lon does NOT meet the identification requirements for reciprocal operation, in this country or any country that the US has an agreement with. The various reciprocal regulations are very specific in what method of identification is required (prefix (XX/) or suffix (/XX) of the host nation, sometimes indicating region or class of license).

AX.25 is not designed to support this method of identification (hence the reason a D7 or D700 does not allow this type of callsign). However, identification can be done within the text of the packet. On a D7 or D700, this means turning status on and putting the callsign with the necessary prefix or suffix in the status text.

I have traveled extensively internationally and operated in CEPT countries, Canada, and Mexico. All of these countries have indicated (via private communication) that compliance with their respective reciprocal licensing agreements are mandatory, inclusive of the identification requirements. The method of identification described in my second paragraph meets these requirements. If you are not identifying your station properly, you are in violation of the reciprocal licensing agreement.

73,

Pete Loveall AE5PL
http://www.ae5pl.net
mailto:pete@ae5pl.net

> -----Original Message-----
> From: Brian B. Riley (N1BQ) ListAcct [mailto:n1bq_list@wulfden.org]
> Posted At: Friday, June 28, 2002 1:52 PM
> Subject: [aprssig] Re: LONG TRIP
>
> death ... since
> you are transmitting your location there is no need for these
> contortions,
> just put your call in as normal and the fact that you are in Canada is
> clearly established by your also transmitted location. That is what
> Canadians do here in the Northern tier states and what us
> Northern tier
> Americans do in Canada every day ...

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1081. [aprssig] " Error Log "; MacAPRS v3.6.1

From: wa4tkg@attbi.com
Date: Mon, 01 Jul 2002 04:39:25 +0000
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-87515-2002.07.01-00.17.14--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

O.K; What Do I have SET wrong ?

```
07/01 00:35:33  Invalid source call     ParseAPRSLine   W4J*
07/01 00:35:33  Invalid 1st char        ParseAPRSLine   ?EH
07/01 00:35:33  Invalid 1st char        ParseAPRSLine
07/01 00:35:33  Invalid source call     ParseAPRSLine   echo oECHO     was ON
07/01 00:35:33  Invalid source call     ParseAPRSLine   BEACON   was EVERY 90
07/01 00:35:33  Invalid source call     ParseAPRSLine   HEADERLN was OFF
07/01 00:35:33  Invalid source call     ParseAPRSLine   MYCALL   was WA4TKG
07/01 00:35:33  Invalid source call     ParseAPRSLine   ECHO     was OFF
07/01 00:35:33  Invalid source call     ParseAPRSLine   PACLEN   was 128
07/01 00:35:33  Invalid source call     ParseAPRSLine   BEACON   was EVERY 0
07/01 00:35:33  Invalid source call     ParseAPRSLine   DIGIPEAT was ON
07/01 00:35:33  Invalid source call     ParseAPRSLine   HEADERLN was OFF
07/01 00:35:33  Invalid source call     ParseAPRSLine   MONITOR  was ON
07/01 00:35:33  Invalid source call     ParseAPRSLine   MYALIAS  was NONE
07/01 00:35:33  Invalid 1st char        ParseAPRSLine   ?EH
07/01 00:35:39  Invalid source call     ParseAPRSLine   ECHO     waOs OFF
07/01 00:35:39  Invalid source call     ParseAPRSLine   N
07/01 00:35:43  Invalid 1st char        ParseAPRSLine
07/01 00:35:46  Invalid source call     ParseAPRSLine   MH
07/01 00:35:46  Invalid source call     ParseAPRSLine   FICADA    07/01/02  00:35:23
07/01 00:35:46  Invalid source call     ParseAPRSLine   WA4B      07/01/02  00:35:22
07/01 00:35:46  Invalid source call     ParseAPRSLine   W4IZ-5    07/01/02  00:34:42
07/01 00:35:46  Invalid source call     ParseAPRSLine   WA4TKG*   07/01/02  00:30:36
07/01 00:35:48  Invalid source call     ParseAPRSLine   DAY
07/01 00:35:48  Invalid source call     ParseAPRSLine   07/01/02  00:35:42
07/01 00:35:51  Invalid source call     ParseAPRSLine   B
07/01 00:35:51  Invalid source call     ParseAPRSLine   BEACON   EVERY 0
07/01 00:35:51  Invalid source call     ParseAPRSLine   BT
07/01 00:35:51  Invalid source call     ParseAPRSLine   BTEXT    !3016.53N/08126.23W- MacAPRS
QRT @110111z
07/01 00:36:04  Invalid source call     ParseAPRSLine   B E 90
07/01 00:36:04  Invalid 1st char        ParseAPRSLine   ?bad
```

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1082. [aprssig] WinAPRS Igate setup

From: David VanHorn <dvanhorn@cedar.net>
Date: Sun, 30 Jun 2002 23:41:09 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-87517-2002.07.01-00.18.42--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

I tried looking in the help files with 2.61, no luck.
I haven't been doing this in a while, sooo...

What do I need to do to set up my Igate again?
I've got the TNC and radio set up already, but I sort of remember a few
tweaky things needed to be done to the standard station.

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1083. [aprssig] RE: Fried Mazda 626 Computer w/2M ?

From: "Darryl Smith" <Darryl@radio-active.net.au>
Date: Mon, 1 Jul 2002 14:51:04 +1000
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-87518-2002.07.01-00.29.33--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

> I have been told it is quite COMMON to have the
> computer in your car go BAD, and need replacing.
> Due to the need of a solder lug, for contact on
> the car battery terminal, the NEGATIVE terminal
> was NOT well secure, this even caused the car to
> not start, when the LIGHTS and DASH did come on.
> I am wondering if THIS may have indeed FRIED the
> car computer.
>
> (The radio being used was (is) a Yaesu FT-2600M)

If the connection of the negative between the radio and the battery is bad, anything can happen, and I do not mean good anythings. I have killed part of a TNC that way when I keyed up from a TNC, and the earth path was through the TNC. What you need to do is look for other earth paths...

I was helping a guy jump start his Holden Commodore and he made sure that I put the negative on the body of the car (on the end of the battery earth strap, rather than the battery since doing that 'can fry the computer'.

Anyway if you look, where can you have another earth path? The common answers are through the microphone, and through the antenna. The antenna shield could support this current if it is not a mag mount... And would be likely to do little harm... Since the cross section of the body would mean little voltage drip. The issue comes with ground paths through the microphone. If you had some type of hands free, or other circuits connected to the car this could cause lots of problems. Othersise I would say it would be a coincidence

Darryl

My D700 is running very nicely with a 2002 Toyota Corolla... The only issue is where to mount the antennas. I will probably mount the GPS antenna in the rear spoiler, and maybe fill the spoler with epoxy, and mount the antenna on it too... We will see

----
Darryl Smith, VK2TDS   POBox 169 Ingleburn NSW 2565 Australia
Mobile Number 0412 929 634 [+61 4 12 929 634 International]
Darryl@radio-active.net.au | www.radio-active.net.au

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July 2002

Original source file: aprssig.0207
Source: http://ftp.tapr.org/tapr_history/SIG_Archives/aprssig/mail_archive/aprssig.0207

1. [aprssig] Eternally High DTR [was: Controlling the serial port]

From: "Ev Tupis (W2EV)" <w2ev@arrl.net>
Date: Mon, 01 Jul 2002 06:26:03 -0400
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-87540-2002.07.01-06.05.45--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

> ----- Original Message -----
> From: <ik7565@erols.com>
> To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
>
> The DTR line on my Dell laptop (running Win2k) serial port is always
> high for some reason and as a result I can't do direct serial CW keying
> through a Rigblaster Plus (has DTR LED to show state). Keys my
> rig continuously. It doesn't appear to be a Rigblaster or keying
> software problem because DTR is high before or after running the keying
> software (part of Win-EQF). Any ideas on how to keep DTR low are greatly
> appreciated!

You may be inadvertantly running other software that uses this line as a control
line for an external device. I don't know how W2k shows you what is running
(other than a careful examination of the system tray), but you may wish to probe
there first. Alternatively, maybe a <ctrl> <alt> <delete> will pop up a window
of all software that is running so you can see if there is something unexpected
there?

For example: KG4RII had exactly this symptom with his "RASCAL interface" on
Windows 95. Come to find out, his system was setup to use a UPS, whose control
software was using the line. The funny thing is...he wasn't using that UPS
function (and thought he installed the software correctly [yeah, I know...why
install the software at all?]). After uninstalling the software, he regained
control of the line and all is well ... and he is now the Florida 'anchor' to
this summer's 2-meter transatlantic tests on BEACONet^31 (200-watts, 14 elements
and UI-View on 144.131 USB + 1500 hz PSK31 audio).

With any fortune, this may help you, too.

Regards,
Ev Tupis, W2EV
--
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---

2. [aprssig] Re: " Error Log "; MacAPRS v3.6.1

From: Robbie <mwrobertson@attbi.com>
Date: Mon, 01 Jul 2002 07:04:39 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: TAPR APRS Special Interest Group <aprssig@lists.tapr.org>
Message-ID: <LYR842-87547-2002.07.01-07.42.16--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

I would suspect that the TNC was in the Converse mode, not
the CMD mode, when the init string is being sent to the TNC.

Robbie wa9inf

wa4tkg@attbi.com wrote:

```
>
> O.K; What Do I have SET wrong ?
>
> 07/01 00:35:33  Invalid source call     ParseAPRSLine   W4J*
> 07/01 00:35:33  Invalid 1st char        ParseAPRSLine   ?EH
> 07/01 00:35:33  Invalid 1st char        ParseAPRSLine
> 07/01 00:35:33  Invalid source call     ParseAPRSLine   echo oECHO     was ON
> 07/01 00:35:33  Invalid source call     ParseAPRSLine   BEACON   was EVERY 90
> 07/01 00:35:33  Invalid source call     ParseAPRSLine   HEADERLN was OFF
> 07/01 00:35:33  Invalid source call     ParseAPRSLine   MYCALL   was WA4TKG
> 07/01 00:35:33  Invalid source call     ParseAPRSLine   ECHO     was OFF
> 07/01 00:35:33  Invalid source call     ParseAPRSLine   PACLEN   was 128
> 07/01 00:35:33  Invalid source call     ParseAPRSLine   BEACON   was EVERY 0
> 07/01 00:35:33  Invalid source call     ParseAPRSLine   DIGIPEAT was ON
> 07/01 00:35:33  Invalid source call     ParseAPRSLine   HEADERLN was OFF
> 07/01 00:35:33  Invalid source call     ParseAPRSLine   MONITOR  was ON
> 07/01 00:35:33  Invalid source call     ParseAPRSLine   MYALIAS  was NONE
> 07/01 00:35:33  Invalid 1st char        ParseAPRSLine   ?EH
> 07/01 00:35:39  Invalid source call     ParseAPRSLine   ECHO     waOs OFF
> 07/01 00:35:39  Invalid source call     ParseAPRSLine   N
> 07/01 00:35:43  Invalid 1st char        ParseAPRSLine
> 07/01 00:35:46  Invalid source call     ParseAPRSLine   MH
> 07/01 00:35:46  Invalid source call     ParseAPRSLine   FICADA    07/01/02  00:35:23
> 07/01 00:35:46  Invalid source call     ParseAPRSLine   WA4B      07/01/02  00:35:22
> 07/01 00:35:46  Invalid source call     ParseAPRSLine   W4IZ-5    07/01/02  00:34:42
> 07/01 00:35:46  Invalid source call     ParseAPRSLine   WA4TKG*   07/01/02  00:30:36
> 07/01 00:35:48  Invalid source call     ParseAPRSLine   DAY
> 07/01 00:35:48  Invalid source call     ParseAPRSLine   07/01/02  00:35:42
> 07/01 00:35:51  Invalid source call     ParseAPRSLine   B
> 07/01 00:35:51  Invalid source call     ParseAPRSLine   BEACON   EVERY 0
> 07/01 00:35:51  Invalid source call     ParseAPRSLine   BT
> 07/01 00:35:51  Invalid source call     ParseAPRSLine   BTEXT    !3016.53N/08126.23W- MacAPRS
> QRT @110111z
> 07/01 00:36:04  Invalid source call     ParseAPRSLine   B E 90
> 07/01 00:36:04  Invalid 1st char        ParseAPRSLine   ?bad
>
```

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3. [aprssig] Re: Pic protoboards

From: Doug McFadden <kc7imr@orednet.org>
Date: Mon, 1 Jul 2002 04:07:03 -0700 (PDT)
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-87549-2002.07.01-09.08.36--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

On Sat, 29 Jun 2002, Wes Johnston wrote:

>
> In the mean time, they sent a catalog and I saw a pic protoboard in there.
> I didn't realize such a creature existed. $9 for 16f84's and $14 for
> '876's. They are already set up to install your 7805's, crystals or
> resonators, and come with a holes for a DB9 or DB25. Silkscreened and
> labeled well. Boy if it'd only known this, i'd spent alot less time making
> the same "xtal here, MCLR here, power, grounds" on radio shack perfboards in
> the past several months.
>
>

That's nice!........ Are you going to share the vendor's name with us????

Doug/KC7IMR

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4. [aprssig] Re: KPC3 ID/NOID settings

From: Bob Bruninga <bruninga@usna.edu>
Date: Mon, 1 Jul 2002 09:48:17 -0400 (EDT)
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: TAPR APRS Special Interest Group <aprssig@lists.tapr.org>
Message-ID: <LYR842-87552-2002.07.01-09.26.01--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

On Sun, 30 Jun 2002, Mark Cheavens wrote:

> In my testing I was able to see duplicates on packets that were sent

> wide3-3. In the doc I submitted when I started this thread It had an
> example of a Wide3-3 packet that was sent twice by the KPC on my bench.

Significant dupes are bad, but conversly, APRS depends on a minimum level of dupes to assure redundancy and reliability. On one extreme, too many dupes, cuts throughput but assures delivery. On the other extreme, complete dupe elimination improves throughput but with a significant reduction in probability of delivery.

I prefer not to sacrifice probability of delivery to mobiles and accept dupes. But where to draw the line is the problem. No dupes causes me to worry about what packets I am missing. Two copies does not bother me in the least. Three copies some of the time are not bad. Three copies of every packet are a pain. Four copies tells me there are too many overlapping digis in an area and the network needs to be fixed.

Remember MOBILES have multipath. The probabiliy that a mobile will hear a packet at a given range is probably only 50% or less of a home station at twice the distance. Even the slightest 1 millisecond fade or flutter will kill any mobile's receipt. Having multiple copies of APRS packets WAS PART OF THE APRS DESIGN to get the traffic to the mobiles.

The presence of DUPES does not mean anything is wrong. In fact, I will say that about two copies of most local traffic is PREFERRED in a mobile APRS network.

We should not let the apparent desires of 24/7 home stations over large areas overshadow the network design of APRS which was intended for real-time-local-mobile-tactical-reliable digital communications.

But I agree, I have asked Kantronics to add the UIDIGI process to the same dupe-elimination process used for UIFLOOD. But just dont want people to automatically assume that all dupes are BAD.

Bob, WB4APR

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---

5. [aprssig] Re: The 'right' way to launch APRS frames [was: KPC3 ID/NOID settings]

From: Bob Bruninga <bruninga@usna.edu>
Date: Mon, 1 Jul 2002 09:55:31 -0400 (EDT)
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: TAPR APRS Special Interest Group <aprssig@lists.tapr.org>
Message-ID: <LYR842-87555-2002.07.01-09.33.20--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

On Sun, 30 Jun 2002, Ev Tupis (W2EV) wrote:

> Now...for the radical question: How many wide-area digipeaters do *not*
> respond to WIDEn-N and TRACEn-N? It would be good to identify just how
> much of a profile these stations consume... *then* we can talk about
> what it would take to bring them into 'compliance' with this vision.

This is easy. The WEB page below shows exactly the mix of APRS digis in the USA as of 3 weeks ago.. I will update it in another week or so as more sysops have had a chance to fix some obviously needed upgrades.

http://www.ew.usna.edu/~bruninga/digi-overlays.html

This automated map display is based on the DIGI OVERLAY character which should be on ALL digis to inform users of the capabilities of that digi. Getting all digis to so identify themselves is the first step.

de WB4APR,Bob

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---

6. [aprssig] DF

From: "Eric Christensen, KF4OTN" <kf4otn@cox.net>
Date: Mon, 1 Jul 2002 09:57:41 -0400
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-87556-2002.07.01-09.37.14--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

```
If you are using APRS for DF, please email me off the SIG
(kf4otn@cox.net).  I have some questions.

Thanks,
Eric KF4OTN



---
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```

7. [aprssig] Re: KPC3 ID/NOID settings

From: Bob Bruninga <bruninga@usna.edu>
Date: Mon, 1 Jul 2002 10:11:13 -0400 (EDT)
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: TAPR APRS Special Interest Group <aprssig@lists.tapr.org>
Message-ID: <LYR842-87557-2002.07.01-09.49.00--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

```
On Sun, 30 Jun 2002, Ev Tupis (W2EV) wrote:

> I'm looking at the three groups of packets that you received and
> concluded that Dupe supression was not working....
> <snip>
> Unfortunately, because of the implementation of WIDEn-N (in destroying the
> previous UNPROTO alias), it is difficult to know exactly what is going on.

A clarification:  WIDEn-N does not destroy the previous alias, it is the
local sysop's setting of "ID" that destroys the previous alias.  THis is
why we must either encourage those sysops to change back to the way APRS
was designed (NOID) or at least label their digis with the "I" overlay so
users konw which ones are intentionally leaving the "ID" set...

Bob, WB4APR



---
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```

8. [aprssig] PCsat load test.

From: Bob Bruninga <bruninga@usna.edu>
Date: Mon, 1 Jul 2002 11:14:24 -0400 (EDT)
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: TAPR APRS SIG <aprssig@lists.tapr.org>
Message-ID: <LYR842-87571-2002.07.01-10.52.13--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

```
PCsat LOAD TEST:
Did any one capture K0HZI during the PCSAT LOAD TEST?  Jerry was the only
person that reported having a correct setup but that I did not capture in
any of the logs.  Did anyone else capture a packet from Jerry?
Bob

On Fri, 28 Jun 2002, Jrocky wrote:

> Was on the 17:40 CDST pass over my QTH, twin cities Minnesota.
> Power: 15 watts.
> Antenna: 5/8 2/440 mag mount on a "cookie sheet" @ 25 feet
> XMIT Rate: every 2 Minutes
> PATH: W3ADO-1, SGATE
> Assessment: copied some of the stations you listed, thought I got in once.
>
> Jerry - K0HZI


---
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```

9. URGENT RESPONSE

From: "Prince Jokun P. Otondo" <mariamaaa20002000@yahoo.co.uk>
Date: Mon, 1 Jul 2002 11:16:31 +0100
To: <lyris.aprssig@tapr.org>
Message-ID: <20020701162752.85A0568ADF@mx1.mail.twtelecom.net>
Rendered body type: text/plain

Prince Jokun P. Otonto
NNPC Nigeria

ATTENTION: The President/Managing Director

I am the Director of maintenance for the Nigeria National Petroleum Corporation (NNPC). I have been mandated by my colleagues to look for a foreign organization that would be able to provide an account into which can be transferred the sum of (twenty million five hundred thousand us dollars) $20,500,000.00.
The funds are the excess of an over-inflated contract that was done for the NNPC and are still floating in NNPC�s account with the Central Bank of Nigeria. These funds need to be transferred to a beneficiaries account hence this proposal.
We have agreed that for providing an account you will receive 25% of the funds. For us to proceed we need the following details to process the transfer of the funds:

NAME & ADDRESS OF YOUR BANK
ACCOUNT NAME
ACCOUNT NUMBER

With the above information it will take 7 working days to transfer the funds to your account.
As we are senior officials in our organization we have arranged this deal to be hitch-free.
We also wish that you would in turn keep this business confidential.
Please reply by providing us your private e-mail address, fax and phone numbers for easy and confidential communication.
Please reply at jpotondo@rediffmail.com
Looking forward to doing business with you.

Yours sincerely

Prince Jokun P. Otondo

10. [aprssig] Davis Weather Wizard III

From: "Ken Simmons" <krs@gallatinriver.net>
Date: Mon, 1 Jul 2002 11:42:4
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-87587-2002.07.01-12.19.45--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Could someone tell me how to hook up a weather wizard III to work on win aprs 2.5.1. I need the pin-out and wireing information. Thanks

---
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11. [aprssig] Precision Mapping problem

From: "Dave Sloan" <desloan@earthlink.net>
Date: Mon, 1 Jul 2002 11:29:54 -0600
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-87591-2002.07.01-13.07.38--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Hello,
I just installed SA V5.0 and received:
Error:"C;\WINDOWS\SYSTEM\CYBER32.OCX failed to register HResult. Contact your support personnel." I was installing it on a PII with 128 MB RAM and the OS is MS Windows 98 2nd edition 4.10.2222 A
The program runs but, will not go down to street level when used with

WinAPRS V 2.6.1. How can I get the OCX to register?

Tnx & 73,
Dave N0EOP

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12. [aprssig] RE: Precision Mapping problem

From: Bill Diaz <william.diaz@attbi.com>
Date: Mon, 1 Jul 2002 13:17:21 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-87600-2002.07.01-13.55.07--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Dave,

On Monday, July 01, 2002 12:30, Dave Sloan [SMTP:desloan@earthlink.net]
wrote:
> Hello,

>   I just installed SA V5.0 and received:
> Error:"C;\WINDOWS\SYSTEM\CYBER32.OCX failed to register HResult. Contact
> your support personnel." I was installing it on a PII with 128 MB RAM and
> the OS is MS Windows 98 2nd edition 4.10.2222 A

>   The program runs but, will not go down to street level when used with
> WinAPRS V 2.6.1. How can I get the OCX to register?

CYBER32.OCX is not used not with Precision Map Maps AFAIK. I assume this
is used by SA V5.0.

SA uses Delorme maps only and WinAprs can use Precision Map 5.0 and APRS
maps only. The SA installation should have no effect on the operation of
WinAprs with Precision Maps.

WinAprs V 2.6.1 can access the Precision Map 5.0 data if mappro50.ocx is
installed and registered. WinAprs must also be able to access the mapping
data files on your system. WinAprs requires that they be in a directory
named PMap50. The subdirectories Data1, Data3, and States must be present
as well. Data2 and Contour are optional but will be found on the
distribution CD.

Assuming that you have installed and registered mappro50.ocx, have the
Precision Map 5.0 data files available, and you cannot see street level
data when you zoom in, it is almost always due to the inability of WinAprs
to find the precision map 5.0 data files.

You must provide the drive letter to WinAprs of the PMap50 directory.
 Click on 9th button from the top of the toolbar displayed to the right of
the map. Enter the drive letter of the drive that contains the PMap50
directory in the box marked CD-ROM drive and hit ok.

Bill KC9XG

> Tnx & 73,
> Dave N0EOP

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13. [aprssig] RE: " Error Log "; MacAPRS v3.6.1

From: "Cap Pennell" <cap@cruzio.com>
Date: Mon, 1 Jul 2002 11:52:04 -0700
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-87604-2002.07.01-14.29.48--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

I don't think anything's wrong at your end. I get similar junk in my
WinAPRS 2.6.1 Error Log every time I start the program.

73, Cap KE6AFE

```
> O.K; What Do I have SET wrong ?
>
> 07/01 00:35:33        Invalid source call     ParseAPRSLine   W4J*
> 07/01 00:35:33        Invalid 1st char        ParseAPRSLine   ?EH
> 07/01 00:35:33        Invalid 1st char        ParseAPRSLine
> 07/01 00:35:33        Invalid source call     ParseAPRSLine
> echo oECHO     was ON
> 07/01 00:35:33        Invalid source call     ParseAPRSLine
> BEACON   was EVERY 90
> 07/01 00:35:33        Invalid source call     ParseAPRSLine
> HEADERLN was OFF
> 07/01 00:35:33        Invalid source call     ParseAPRSLine
> MYCALL   was WA4TKG
> 07/01 00:35:33        Invalid source call     ParseAPRSLine
> ECHO     was OFF
> 07/01 00:35:33        Invalid source call     ParseAPRSLine
> PACLEN   was 128
> 07/01 00:35:33        Invalid source call     ParseAPRSLine
> BEACON   was EVERY 0
> 07/01 00:35:33        Invalid source call     ParseAPRSLine
> DIGIPEAT was ON
> 07/01 00:35:33        Invalid source call     ParseAPRSLine
> HEADERLN was OFF
> 07/01 00:35:33        Invalid source call     ParseAPRSLine
> MONITOR  was ON
> 07/01 00:35:33        Invalid source call     ParseAPRSLine
> MYALIAS  was NONE
```

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14. [aprssig] RE: " Error Log "; MacAPRS v3.6.1

From: David VanHorn <dvanhorn@cedar.net>
Date: Mon, 01 Jul 2002 13:59:56 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-87606-2002.07.01-14.38.45--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

At 11:52 AM 7/1/2002 -0700, Cap Pennell wrote:
>I don't think anything's wrong at your end. I get similar junk in my
>WinAPRS 2.6.1 Error Log every time I start the program.
>73, Cap KE6AFE
>

```
> > O.K; What Do I have SET wrong ?
> >
> > 07/01 00:35:33        Invalid source call     ParseAPRSLine   W4J*
> > 07/01 00:35:33        Invalid 1st char        ParseAPRSLine   ?EH
> > 07/01 00:35:33        Invalid 1st char        ParseAPRSLine
> > 07/01 00:35:33        Invalid source call     ParseAPRSLine
```

This looks like diagnostic output, where WINAPRS is sanity-checking the packets.

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15. [aprssig] RE: " Error Log "; MacAPRS v3.6.1

From: Bill Diaz <william.diaz@attbi.com>
Date: Mon, 1 Jul 2002 14:40:34 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-87607-2002.07.01-15.18.21--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Dave,

On Monday, July 01, 2002 14:00, David VanHorn [SMTP:dvanhorn@cedar.net] wrote:
> At 11:52 AM 7/1/2002 -0700, Cap Pennell wrote:
> >I don't think anything's wrong at your end. I get similar junk in my
> >WinAPRS 2.6.1 Error Log every time I start the program.

```
> >73, Cap KE6AFE

> > > O.K; What Do I have SET wrong ?

> > > 07/01 00:35:33        Invalid source call     ParseAPRSLine   W4J*
> > > 07/01 00:35:33        Invalid 1st char        ParseAPRSLine   ?EH
> > > 07/01 00:35:33        Invalid 1st char        ParseAPRSLine
> > > 07/01 00:35:33        Invalid source call     ParseAPRSLine
>
> This looks like diagnostic output, where WINAPRS is sanity-checking the
> packets.
>
WinAprs reports errors when the packets it receives are not considered to
be APRS packets.

It expects the source call to formatted similar to:.  WA1ABC-15>   W4J* is
not terminated with the > char.  None of the error messages included in the
original email included the > char so WinAprs reported this as a
ParseAPRSLine error.

A line that starts with ? (as in ?EH) would be an invalid 1st character in
a source call.

Bill KC9XG



---
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```

16. [aprssig] WinAPRS -- Which weekend?

From: "Cap Pennell" <cap@cruzio.com>
Date: Mon, 1 Jul 2002 12:40:41 -0700
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-87608-2002.07.01-15.18.31--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

```
Mark or Keith, is there any progress on the fixes for WinAPRS 2.6.1?  I sent
Mark several bug reports in early June but got no response.
73, Cap KE6AFE

Keith wrote:

To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Subject: [aprssig] WinAPRS & Weather Display
From: Keith Sproul <ksproul@vger.rutgers.edu>
Date: Sun, 2 Jun 2002 12:52:37 -0400--

Ken Brown, W2KB, helped me figure out a minor problem in the Weather
Display feature of WinAPRS 2.6.  So, currently, Weather Display input
to WinAPRS is not working.

We will have this fixed shortly, but it won't be up on TAPR until next
weekend.

In the mean time, if you have the Weather Display program, please let me
know..

Keith Sproul

---



---
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```

17. [aprssig] WinAprs Docs?

From: "Dave Sloan" <desloan@earthlink.net>
Date: Mon, 1 Jul 2002 13:43:16 -0600
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-87609-2002.07.01-15.21.47--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

I can't seem to get any (I must have found at least 12 URLs) links to the
WinAprs docs to work. Keep getting a page not found error. I can get to any
other URL except at Rutgers for APRS. I can even get to the main site for
Rutgers. If hits was the first time I would just think that the site is
down. But, I have been trying for the last couple of days. Anyone have a
good URL that I can reach? Or, is the site down? Or, can anyone tell me why
I can't reach the site? Are the docs anywhere else but at Rutgers? I need to
read the docs to find the answer to several questions I have.

Tnx & 73,
Dave N0EOP

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18. [aprssig] Re: WinAprs Docs?

From: Earl Needham <needhame@yucca.net>
Date: Mon, 01 Jul 2002 14:25:34 -0600
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-87610-2002.07.01-16.03.30--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

If you're already running WinAPRS at home, and it's in C:\WinAPRS,
try C:\WinAPRS\Docs\WAPRSdoc.htm

7 3
Earl

At 01:43 PM 7/1/2002 -0600, Dave Sloan wrote:
>I can't seem to get any (I must have found at least 12 URLs) links to the
>WinAprs docs to work. Keep getting a page not found error. I can get to any
>other URL except at Rutgers for APRS. I can even get to the main site for
>Rutgers. If hits was the first time I would just think that the site is
>down. But, I have been trying for the last couple of days. Anyone have a
>good URL that I can reach? Or, is the site down? Or, can anyone tell me why
>I can't reach the site? Are the docs anywhere else but at Rutgers? I need to
>read the docs to find the answer to several questions I have.
>
>Tnx & 73,
>Dave N0EOP
>
>
>---
>You are currently subscribed to aprssig as: needhame@yucca.net
>To unsubscribe send a blank email to leave-aprssig-842K@lists.tapr.org
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19. [aprssig] RE: PCM/CIA to serial?

From: "Leif Tollen" <sm5vxo@hotmail.com>
Date: Mon, 01 Jul 2002 23:09:34 +0200
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-87613-2002.07.01-16.47.18--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Hi all,

I`m currently trying to get a 2x serial PC card to work in my laptop
connecting a GPS and a Baycom modem.
The card is from www.socketcom.com and has two ports. Looks good.

I have just noticed that the card only can supply abt 3V to the Baycom
modem. Same as for modern PCs.

Old PCs did supply 5V. The "modern" drivers do not.
I have not seen this valuble information when searching about why I didn't
got it to work at start.

73 de SM5VXO

>-----Original Message-----
>Subject: [aprssig] PCM/CIA to serial?

>
>   Is there a PCM/CIA card available that will allow one to plug a DB-9
>serial cable into it? Still trying to hook up a GPS to a laptop while
>leaving the one com port open for the TNC.
>
>   No, I don't want to use the sound card as a TNC...
>
>   Thanks,
>   Earl
>
>
>Earl Needham, KD5XB,

____
MSN Photos is the easiest way to share and print your photos:
http://photos.msn.com/support/worldwide.aspx

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Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

20. [aprssig] Re: KPC3 ID/NOID settings

From: "Ev Tupis (W2EV)" <w2ev@arrl.net>
Date: Mon, 01 Jul 2002 17:34:13 -0400
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-87615-2002.07.01-17.12.47--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Bob Bruninga wrote:
>
> On Sun, 30 Jun 2002, Ev Tupis (W2EV) wrote:
>
> > I'm looking at the three groups of packets that you received and
> > concluded that Dupe supression was not working....
> > <snip>
> > Unfortunately, because of the implementation of WIDEn-N (in destroying the
> > previous UNPROTO alias), it is difficult to know exactly what is going on.
>
> A clarification: WIDEn-N does not destroy the previous alias, it is the
> local sysop's setting of "ID" that destroys the previous alias. THis is
> why we must either encourage those sysops to change back to the way APRS
> was designed (NOID) or at least label their digis with the "I" overlay so
> users konw which ones are intentionally leaving the "ID" set...

Oops. Of course you're right. I just got a little ahead of myself with
assumptions. Thanks for the correction.

Still...the points still seem valid: it's 2002. APRS Wide-area digipeaters
should all support WIDEn-N and TRACEn-N and the 'best' path becomes:

RELAY,WIDEn-N for mobiles
[CALLSIGN,]WIDEn-N for bases, where [CALLSIGN,] is optionally used if needed in
order to reach a WIDEn-N digi

This will assure that everyone gets heard and seen. The continent re-unifies,
the birds will sing and the sun will shine. :o)

Ev, W2EV

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21. [aprssig] RE: PCM/CIA to serial?

From: "Mike Yetsko" <myetsko@insydesw.com>
Date: Mon, 1 Jul 2002 17:57:57 -0400
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>

Message-ID: <LYR842-87617-2002.07.01-17.37.55--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

```
> I`m currently trying to get a 2x serial PC card to work in my laptop
> connecting a GPS and a Baycom modem.
> The card is from www.socketcom.com and has two ports. Looks good.
>
> I have just noticed that the card only can supply abt 3V to the Baycom
> modem. Same as for modern PCs.

First off, 3v should be plenty.  But I have to qualify that.  As best I
can remember, and it HAS been a while...  3V is the SPEC
for RS-232C under the standard load.  (I forget the actual load value,
sorry)

The spec is that the driver MAY go higher, but it only has to maintain
a MINIMUM of +/-3v swings under load.  If it does that, then it meets
the RS-232C standard, which is 'the' standard for these things, last I
heard.

If you have a modem that won't work at 3v swings, then the MODEM is
at fault, NOT your serial card.

However, there is an area where some units fall down...  Symmetry.  I've
seen some systems, modems as well as DTE ends (PCs are generally
'DTE') that can become confused if the swing isn't symmetrical.  I ran
into that when I was using some TI parts.  They got flaky when it wasn't
balanced around 0v.

What can you do if it doesn't work?  Well, you could build a buffer box..

Mike




---
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```

---

22. [aprssig] RE: PCM/CIA to serial?

From: "Mike Yetsko" <myetsko@insydesw.com>
Date: Mon, 1 Jul 2002 18:16:25 -0400
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-87618-2002.07.01-17.56.20--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

```
> I`m currently trying to get a 2x serial PC card to work in my laptop
> connecting a GPS and a Baycom modem.
> The card is from www.socketcom.com and has two ports. Looks good.

I took a look at the card, and I was impressed.  It may be the answer.

For one thing, the vendor SPECIFIES that the card (I looked at the 4-port
card) can do simultaneous communications but it does it with one IRQ.
They actually claim this is faster (and you could argue it is) but it does
mean only with the right drivers!  But just the fact that they specify it
that
way means they know of the issues.  And I've dealt with Socket.  If they
are still the company I dealt with before, they DO know there stuff with
regard to this.

I'd say it's looking like one heck of a nice card!

Mike



---
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```

---

23. [aprssig] RE: PCM/CIA to serial?

From: David VanHorn <dvanhorn@cedar.net>
Date: Mon, 01 Jul 2002 17:28:01 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-87620-2002.07.01-18.05.17--lyris.aprssig#tapr.org@lists.tapr.org>

Rendered body type: text/plain

```
>
>
>I'd say it's looking like one heck of a nice card!
>
>Mike


I agree, for those with the spare int, and socket to insert it, this does
look like a nice solution.
The only part I don't like is all those cables, coming to a fragile connector.


---
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```

24. [aprssig] RE: PCM/CIA to serial?

From: <tvsjr@sprynet.com>
Date: Mon, 01 Jul 2002 18:36:34 -0400
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: TAPR APRS Special Interest Group <aprssig@lists.tapr.org>
Message-ID: <LYR842-87622-2002.07.01-18.14.19--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

```
If you're concerned about ruggedness, then look into these cards:



http://www.socketcom.com/product/serial_dual_pc_rugged.htm

http://www.socketcom.com/product/serial_quad_pc_rugged.htm



The connectors are molded in, instead of the unpluggable variety, and should
be considerably stronger. The quad variety even mentions uses in all-terrain
vehicles, dust and moisture seals, and structural rigidity to resist
overtorquing the card.



In short, unless you're putting this into your Toughbook, your laptop will
probably die before the card.



Terry



On Mon, 01 Jul 2002 17:28:01 -0500 David VanHorn <dvanhorn@cedar.net> wrote:





I agree, for those with the spare int, and socket to insert it, this does

look like a nice solution.

The only part I don't like is all those cables, coming to a fragile connector.


---
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```

25. [aprssig] RE: PCM/CIA to serial?

From: "Mike Yetsko" <myetsko@insydesw.com>
Date: Mon, 1 Jul 2002 18:39:03 -0400
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-87623-2002.07.01-18.19.33--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

```
> >I'd say it's looking like one heck of a nice card!
> >
> >Mike
>
>
> I agree, for those with the spare int, and socket to insert it, this
does
> look like a nice solution.
> The only part I don't like is all those cables, coming to a fragile
connector.

The 4-port card the cable is rated as durable.  I think it disconnects for
the 2 port card.

As to ints, that shouldn't be an issue at all.  If the socket is CardBus,
it's
totally a non-issue as it's sharable on the PCI bus.  If it's not, you
just have
a PCMCIA socket, then it still only uses ONE interrupt for the entire 4
com channels.

Mike



---
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```

26. [aprssig] Re: KPC3 ID/NOID settings

From: Ralph Fowler <rwf@mindspring.com>
Date: Mon, 01 Jul 2002 19:49:32 -0400
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-87624-2002.07.01-19.31.01--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

```
Ev-

As you know, those digis running stock TNC-2 (or Paccomm) firmware don't
support WIDEn-N or TRACEn-N and there are those sysops who will not change
for whatever reason.  They may not be aware of or want to use UI-Digi and I
know I don't want a PC up there in the bldg on the Mountain. This is for
the same reason I don't use cheap Kenwood, Icom or Yaesu radios for digis
either.

If you go to LA, just know that only one main digi may respond to Relay. We
should be using WIDEn-N anyway.

And if you come to my neck of the woods you will note that the * will be
shown on the digi that you heard, not where the packet entered. If people
want to know the other, then maybe they will look at the icon on the APRS
map that shows where the station is will give us an idea about where a
packet entered.
The ID/NOID discussion on KPC 3 digis is basically a religious issue for
Bob, and so is the issue of not having a RELAY alias in California. Local
decisions sometimes override what everyone else does for various reasons
that may or may not be explainable or understandable.

So I guess I am just saying that we should count our blessings that we are
all using the same frequency, data speed, and protocol and that the network
works.

Ralph




At 05:34 PM 7/1/02 -0400, you wrote:
Begin Quoted Text


>Still...the points still seem valid: it's 2002.  APRS Wide-area digipeaters
>should all support WIDEn-N and TRACEn-N and the 'best' path becomes:
>
>RELAY,WIDEn-N for mobiles
>[CALLSIGN,]WIDEn-N for bases, where [CALLSIGN,] is optionally used if
>needed in
>order to reach a WIDEn-N digi
```

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---

27. [aprssig] Precision Maps 5.0 Moving stations

From: "John Scott" <n0hzn@charter.net>
Date: Mon, 1 Jul 2002 19:56:1
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-87643-2002.07.01-20.33.46--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Okay, I got pre Maps 5.0 LOADED (and registered). I used it on a recent
trip to Kansas City an it worked fine. The problem surfaced on the return
trip. When I returned home I was watching the stations in my home town.
>From about 19 miles out the stations, including my house were showing up SE
of where they should be, and I mean miles SE of where they should be. As I
got closer, the icons slowly moved back to their correct position. When I
was within 10 miles of home all the stations were located in their correct
position. Has anyone seen this and is there an explanation?

Thanks

John
n0hzn@charter.net

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---

28. [aprssig] Re: Precision Maps 5.0 Moving stations

From: Carl Taylor <carltt@bellsouth.net>
Date: Mon, 01 Jul 2002 21:04:43 -0400
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-87645-2002.07.01-20.44.02--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

At 07:56 PM 7/1/02 +0000, you wrote:
> From about 19 miles out the stations, including my house were showing up SE
>of where they should be, and I mean miles SE of where they should be. As I
>got closer, the icons slowly moved back to their correct position. When I
>was within 10 miles of home all the stations were located in their correct
>position.

==

Have you thot of the possibility that the houses really did move ? ? ?

Carl Taylor   W9ZGU   Hollywood,FL.

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---

29. [aprssig] APRS Digipeater settings

From: "David Thege" <dthege@ncfcomm.com>
Date: Mon, 1 Jul 2002 20:15:2
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-87646-2002.07.01-20.52.45--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

I have followed the discussions on Digipeater setups and would like to know
what parameter decides if a digi is to be relay, wide, trace, widen-n or
tracen-n, etc. I setup a KPC3+ as a standalnoe Digi but am not sure what
flavor it is, if you know what I mean. UIDIGI is set to ON,
RELAY,WIDE,TRACE. UIFLOOD is set to WIDE,30,NOID. UITRACE is set to Trace
,30
Thanks for any advice. Dave N□XBN in Nebraska wher the weather thinks
we're
in the desert.

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30. [aprssig] Re: APRS Digipeater settings

From: "Ev Tupis (W2EV)" <w2ev@arrl.net>
Date: Mon, 01 Jul 2002 21:22:16 -0400
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-87648-2002.07.01-21.00.50--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

David Thege wrote:
>
> I have followed the discussions on Digipeater setups and would like to know
> what parameter decides if a digi is to be relay, wide, trace, widen-n or
> tracen-n, etc. I setup a KPC3+ as a standalnoe Digi but am not sure what
> flavor it is, if you know what I mean. UIDIGI is set to ON,
> RELAY,WIDE,TRACE. UIFLOOD is set to WIDE,30,NOID. UITRACE is set to Trace
> ,30
> Thanks for any advice. Dave NØXBN in Nebraska wher the weather thinks
> we're
> in the desert.

Dear Dave,
You have nailed it. You have a RELAY,WIDE,TRACE,WIDEn-N,TRACEn-N digipeater.
:o)

Ev, W2EV

--
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31. [aprssig] Re: KPC3 ID/NOID settings

From: "Glen Tubbesing" <n7got@earthlink.net>
Date: Mon, 1 Jul 2002 20:41:37 -0700
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-87665-2002.07.01-23.19.43--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

So, I'm confused about something. If the digis in LA have the RELAY
function turned off, what happens if you have RELAY as your first label
in your path? Do all the digis ignore you, or do they just ignore the
RELAY and look at the next label?

73,
Glen Tubbesing
N7GOT
Las Vegas, NV

> -----Original Message-----
> If you go to LA, just know that only one main digi may respond to
Relay. We
> should be using WIDEn-N anyway.

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32. [aprssig] Re: KPC3 ID/NOID settings

From: "Eric Christensen, KF4OTN" <kf4otn@cox.net>
Date: Mon, 1 Jul 2002 23:49:35 -0400
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-87666-2002.07.01-23.27.20--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

They will ignore you. That is why it is important to have all the
WIDE digipeaters setup to accept RELAY as well and just the RELAY
digipeaters will be setup for plain RELAY.

----- Original Message -----
From: "Glen Tubbesing" <n7got@earthlink.net>
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Sent: Monday, July 01, 2002 23:41
Subject: [aprssig] Re: KPC3 ID/NOID settings

So, I'm confused about something. If the digis in LA have the RELAY
function turned off, what happens if you have RELAY as your first
label
in your path? Do all the digis ignore you, or do they just ignore
the
RELAY and look at the next label?

73,
Glen Tubbesing
N7GOT
Las Vegas, NV

> -----Original Message-----
> If you go to LA, just know that only one main digi may respond to
Relay. We
> should be using WIDEn-N anyway.

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33. [aprssig] Re: KPC3 ID/NOID settings

From: "The Hildebrands" <b.hildebrand@verizon.net>
Date: Mon, 1 Jul 2002 20:59:10 -0700
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-87671-2002.07.01-23.37.03--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

It is not as bad as it might sound. There are a lot of APRS stations in the LA basin. Home stations,
that still respond to RELAY. Only the HIGH digipeaters to not respond to RELAY. But I have
RELAY,WIDE2-2 as one path in a low power tracker, and it works just fine around LA. Brent KH2Z

----- Original Message -----
From: "Glen Tubbesing" <n7got@earthlink.net>
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Sent: Monday, July 01, 2002 8:41 PM
Subject: [aprssig] Re: KPC3 ID/NOID settings

> So, I'm confused about something. If the digis in LA have the RELAY
> function turned off, what happens if you have RELAY as your first label
> in your path? Do all the digis ignore you, or do they just ignore the
> RELAY and look at the next label?
>
> 73,
> Glen Tubbesing
> N7GOT
> Las Vegas, NV
>
> > -----Original Message-----
> > If you go to LA, just know that only one main digi may respond to
> Relay. We
> > should be using WIDEn-N anyway.
>
>
>
> ---
> You are currently subscribed to aprssig as: b.hildebrand@verizon.net

```
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>

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```

34. [aprssig] FW: APRS Digipeater settings

From: "Cap Pennell" <cap@cruzio.com>
Date: Mon, 1 Jul 2002 21:32:08 -0700
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-87688-2002.07.02-00.09.58--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

```
What you've described is a _real_ WIDEn-N digi.  The naming is a bit of a
historical progression.  First there were WIDE digis and RELAY digis, then
came RELAY/WIDE digis when it was learned some TNCs could digi MYAlias and
MYNode.  PacComm produced a TRACE digi (with RELAY and WIDE too).  Then
Kantronics came out with the WIDEn-N digi TNC which could do all of the
above and WIDEn-N and TRACEn-N.  All of these were stand-alone TNCs (as is
UIDIGI, which came later).
73, Cap KE6AFE

> -----Original Message-----
> From: bounce-aprssig-1953@lists.tapr.org
> [mailto:bounce-aprssig-1953@lists.tapr.org]On Behalf Of David Thege
> Sent: Monday, July 01, 2002 8:00 PM
> To: TAPR APRS Special Interest Group
> Subject: [aprssig] APRS Digipeater settings
>
>
> I have followed the discussions on Digipeater setups and would
> like to know
> what parameter decides if a digi is to be relay, wide, trace, widen-n or
> tracen-n, etc. I setup a KPC3+ as a standalnoe Digi but am not sure what
> flavor it is, if you know what I mean. UIDIGI is set to ON,
> RELAY,WIDE,TRACE. UIFLOOD is set to WIDE,30,NOID. UITRACE is set to Trace
> ,30
> Thanks for any advice. Dave NØXBN in Nebraska wher the weather thinks
> we're
> in the desert.



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```

35. [aprssig] RE: Precision Maps 5.0 Moving stations

From: "Herb Gerhardt" <hgerhardt@charter.net>
Date: Mon, 1 Jul 2002 21:36:42 -0700
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-87689-2002.07.02-00.14.45--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

```
Yes, I have seen this problem and I assume it is a problem with WinAPRS
2.6.1.

The problem usually goes away by expanding the screen to "full screen" (at
least as big as it will go which is not too big).  I have found that the
Lists, Stations also does not work unless your window is expanded to max
setting.

Hopefully the Sproul's will fix this problem along with the several others
in their next release.  Especially the one to give us full screen viewing of
the maps.

Herb, KB7UVC
NW APRS Group, West Sound Coordinator
Our WEB Site:  www.nwaprs.org


> -----Original Message-----
> From: bounce-aprssig-29709@lists.tapr.org
> [mailto:bounce-aprssig-29709@lists.tapr.org]On Behalf Of John Scott
> Sent: Monday, July 01, 2002 7:00 PM
```

> To: TAPR APRS Special Interest Group
> Subject: [aprssig] Precision Maps 5.0 Moving stations
>
>
> Okay, I got pre Maps 5.0 LOADED (and registered). I used it on a recent
> trip to Kansas City an it worked fine. The problem surfaced on the return
> trip. When I returned home I was watching the stations in my home town.
> From about 19 miles out the stations, including my house were
> showing up SE
> of where they should be, and I mean miles SE of where they should
> be. As I
> got closer, the icons slowly moved back to their correct position. When I
> was within 10 miles of home all the stations were located in
> their correct
> position. Has anyone seen this and is there an explanation?
>
> Thanks
>
> John
> n0hzn@charter.net
>
> ---
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> To unsubscribe send a blank email to leave-aprssig-842K@lists.tapr.org
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>
>

---
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---

36. [aprssig] Re: KPC3 ID/NOID settings

From: WA8LMF2@aol.com
Date: Tue, 2 Jul 2002 01:29:38 EDT
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: n7got@earthlink.net
Message-ID: <LYR842-87693-2002.07.02-01.07.28--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

In a message dated 7/1/02 8:43:25 PM Pacific Daylight Time,
n7got@earthlink.net writes:

> If the digis in LA have the RELAY
> function turned off, what happens if you have RELAY as your first label
> in your path?

You don't get out of your backyard!   This is the endlessly debated issue on this sig -- itinerant mobiles using the standard path of RELAY, WIDE or RELAY, WIDE2-2 just don't "get out" in L.A. unless a local home station just happens to be on, enabled for digi, and has the RELAY alias set.

For a while, I had a low-level 25-watt station at my office (which had a very good view of most of the LA basin) running a TNC2 doing RELAY. I noticed it was getting about 1 or 2 hits a minute from out-of-town mobiles that otherwise would never have been heard in the area or igated....

```
Stephen H. Smith                   wa8lmf @ aol.com
Home Page:
http://members.aol.com/wa8lmf
Ham Radio/Mobile SSTV page:     http://members.aol.com/wa8lmf/ham
APRS Stuff
http://members.aol.com/wa8lmf/aprs
------------------------------------------------------------------------------

----------
|    Radio Communications Systems       Personal Computers
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37. [aprssig] Re: Paths in L.A. Was: Re: KPC3 ID/NOID settings

From: WA8LMF2@aol.com
Date: Tue, 2 Jul 2002 02:11:38 EDT
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: b.hildebrand@verizon.net
Message-ID: <LYR842-87694-2002.07.02-01.49.34--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

```
In a message dated 7/1/02 10:44:49 PM Pacific Daylight Time, 
b.hildebrand@verizon.net writes:

> In my wife's tracker, I have 2 paths setup.  One is WIDE2-2.  The other is 
>  RELAY,WIDE2-2.  They fire on alternate minutes.  I get an equal number of 
>  hits all around LA from either path.  Saying it another way, the both work 
>  just fine in LA.  Brent KH2Z

What parts of L.A?    I frequent the west San Gabriel Valley (Pasadena, 
Alhambra, MPK), the Glendale/Burbank/Verdugo area,  and the L.A. west side 
(Westwood, Santa Monica, MDR, etc) .

When I first got my D700 about two years ago, I was frustrated that I NEVER 
seemed to get into the Internet system using the factory default RELAY,WIDE.  
And definitely nothing would happen on I-5 north through Saugus/Newhall/Santa 
Clarita/Castaic [area heard only by Oat Mtn digi]

When I saw the beacon text about RECOMMENDED WIDE2-2 only, I changed the path 
to that and my success rate went up about 1000%.

BTW, the California state fiscal disaster has trickled down to L.A. county. [ 
L.A. County is now a half-billion in the hole. The county, not the state or a 
federal agency mind you!] I got laid off from the  LACO telecomm radio 
systems department (I'm contract, not direct hire) last week.   
    Consequently, I have lost the primo Igate/Digi location with T1 Internet 
service (my office) so WA8LMF-10 is off the air indefinitely!     And I'm in 
the market for some other radio-systems-type work.....

Stephen H. Smith                   wa8lmf @ aol.com
Home Page:                          
http://members.aol.com/wa8lmf
Ham Radio/Mobile SSTV page:     http://members.aol.com/wa8lmf/ham
APRS Stuff                          
http://members.aol.com/wa8lmf/aprs
------------------------------------------------------------------------------

----------
|    Radio Communications Systems       Personal Computers         
|                Consulting and Systems Integration             
|    GPS Custom Mapping    &     Radio Coverage Surveys
|    File Conversions       MS-Windows Setups       VISCII Fonts
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---
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Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org
```

38. [aprssig] Re: Paths in L.A. Was: Re: KPC3 ID/NOID settings

From: "The Hildebrands" <b.hildebrand@verizon.net>
Date: Mon, 1 Jul 2002 23:19:53 -0700
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-87695-2002.07.02-01.58.27--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

```
Ah, you are comparing to different things!    RELAY,WIDE  is not the same as
RELAY,WIDE2-2.   The LA digipeaters do not respond to WIDE.  If you get
digipeated via a RLAY, but that is it, then your success in getting to the
IGate is lower.  But RELAY,WIDE2-2 work pretty good.  I set my wife's
tracker to alternate as I said.  Each path also have a different Icon.  It
switches between [1] and [2] making it easy to see which path got
digipeated.  Both paths work find for the San Bernardino/Riverside  to LA
south to Orange county.
```

```
----- Original Message -----
From: <WA8LMF2@aol.com>
To: <aprssig@lists.tapr.org>
Cc: <b.hildebrand@verizon.net>
Sent: Monday, July 01, 2002 11:11 PM
Subject: Re: Paths in L.A. Was: Re: KPC3 ID/NOID settings


> In a message dated 7/1/02 10:44:49 PM Pacific Daylight Time,
> b.hildebrand@verizon.net writes:
>
> > In my wife's tracker, I have 2 paths setup.  One is WIDE2-2.  The other
is
> >  RELAY,WIDE2-2.  They fire on alternate minutes.  I get an equal number
of
> >  hits all around LA from either path.  Saying it another way, the both
work
> >  just fine in LA.  Brent KH2Z
>
> What parts of L.A?    I frequent the west San Gabriel Valley (Pasadena,
> Alhambra, MPK), the Glendale/Burbank/Verdugo area,  and the L.A. west side
> (Westwood, Santa Monica, MDR, etc) .
>
> When I first got my D700 about two years ago, I was frustrated that I
NEVER
> seemed to get into the Internet system using the factory default
RELAY,WIDE.
> And definitely nothing would happen on I-5 north through
Saugus/Newhall/Santa
> Clarita/Castaic [area heard only by Oat Mtn digi]
>
> When I saw the beacon text about RECOMMENDED WIDE2-2 only, I changed the
path
> to that and my success rate went up about 1000%.
>
> BTW, the California state fiscal disaster has trickled down to L.A.
county.

> L.A. County is now a half-billion in the hole. The county, not the state
or a
> federal agency mind you!] I got laid off from the  LACO telecomm radio
> systems department (I'm contract, not direct hire) last week.
>     Consequently, I have lost the primo Igate/Digi location with T1
Internet
> service (my office) so WA8LMF-10 is off the air indefinitely!     And I'm
in
> the market for some other radio-systems-type work.....
>
> Stephen H. Smith                   wa8lmf @ aol.com
> Home Page:
> http://members.aol.com/wa8lmf
> Ham Radio/Mobile SSTV page:     http://members.aol.com/wa8lmf/ham
> APRS Stuff
> http://members.aol.com/wa8lmf/aprs
> --------------------------------------------------------------------------
----
>
> ----------
> |    Radio Communications Systems       Personal Computers
> |                Consulting and Systems Integration
> |    GPS Custom Mapping    &     Radio Coverage Surveys
> |    File Conversions       MS-Windows Setups       VISCII Fonts
> --------------------------------------------------------------------------
----
>
> -----------
>
>


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```

39. [aprssig] findU problems this weekend

From: Steve Dimse <k4hg@tapr.org>
Date: Tue, 2 Jul 2002 06:03:25 -0400
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-87700-2002.07.02-05.41.05--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

While I was out of town for four days (playing road manager for the Deanna Bogart Band at the Reno "BBQ, Brews, and Blues Festival"), something strange happened to findU. When I got home, both my primary and secondary servers were loaded with more than a thousand excess processes, coming from the javAPRSSrvr and the weather alert processor. I still don't know why this happened, but the result was a bogged down system which made it all but impossible to get pages from the server, and blocked a lot of incomming data. The system has been fine through the night after restarting the java application and disabling the weather alter processing.

Until I figure out what happened with the weather alerts, that feature will be unavailable, all other features on findU should be functioning normally, let me know if you see any problems.

Steve K4HG

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---

40. [aprssig] trimble tk510.exe

From: "Mike Nettles" <kb5wbh@arrl.net>
Date: Tue, 2 Jul 2002 05:50:10 -0700
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-87702-2002.07.02-06.28.06--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Was anyone able to ftp this file from the trimble site (Tk510.exe)? If so can you send me a copy?
Thanks
Mike KB5WBH

Outgoing mail is certified Virus Free.
Checked by AVG anti-virus system (http://www.grisoft.com).
Version: 6.0.372 / Virus Database: 207 - Release Date: 6/22/02

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---

41. [aprssig] Re: KPC3 ID/NOID settings

From: "Ev Tupis (W2EV)" <w2ev@arrl.net>
Date: Tue, 02 Jul 2002 06:50:32 -0400
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-87703-2002.07.02-06.29.20--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Hi Ralph,
What an excellent post you made, by the way. It really does alot to help the newer folks on the list to understand why there are such divergant configurations around the continent.

The ID vs. NOID discussion is an interesting one, as it depends on what one wants the system to do as to if one or the other should be used. Unfortunately, whatever should be used...really should be used everywhere in order for meaningful examination of packet texts to be possible.

My comments were really intended to get us to think a bit about cataloguing what the APRS system's netork had in it now (a snapshot, if you will) as far as digipeaters that are and are not capable of processing WIDEn-N requests. It would be nice to know the extent to which it is even an issue (I hate spending time slaying non-existant dragons <smile>).

The idea of digi's responding-to or not responding-to RELAY is one of those choices that I see as good for a local group to make. *If* there is a large density of stations in an area that are RELAY enabled, this makes sense (uh

oh...I've just stumbled on a problem that I'll float to the APRSpec list shortly
-- an alternative to the icon overlay proposal for digi's that may provide more
detailed and useful information for viewers).

Anyway...well stated, Ralph. It will be interesting to see just how many of
each type of digipeater is out there.

Regards,
Ev, W2EV
--
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http://go.to/BEACONet

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---

42. [aprssig] If my radio had a really short TXdelay...

From: "Wes Johnston" <wes@johnston.net>
Date: Tue, 2 Jul 2002 07:15:38 -0400
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-87704-2002.07.02-06.53.32--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

If my radio had a really short TXDelay (like 6uS), I could send a beacon
from my digi every 100mS, and that would seem like an eternity to the radio.

I could fake out full duplex by rapidly switching between transmit and
recieve.

Imagine how many trackers we could support if we could transmit 100's of
packets on a network per second.

Imagine what a movin map would look like if each station checked in every
second.

Ohh wait, I just got my 802.11b accesspoint in and it does all of this....
<grin>

Wes

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---

43. [aprssig] Re: KPC3 ID/NOID settings

From: Ralph Fowler <rwf@mindspring.com>
Date: Tue, 02 Jul 2002 08:00:29 -0400
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-87718-2002.07.02-07.44.39--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

They do not skip the RELAY. That would be nice, and may even be in
development. I am going out on a limb, but I think Mike Musick's pocket
digi was doing something along those lines: "fixing" badly designed pathd.

If it is still as I remember, there is at least one and maybe more than one
strategically located machine in an area that will eventually hear you.
They do publish what path is recommended for the area. The locals should
already either be using WIDEn-N or the closest digi addressed by specific call.
The area is saturated. There are many many reople usong APRS and using it
incorrectly.   Paths being used were crazy, sometimes with multiple RELAYs.
Until you have been there (you cannot imagine how much of a nightmare it is
to even get a packet in edgewise.

Even I don't live there, and I am amazed whenever I meet with the local
APRS gurus- what they have to deal with.

At 08:41 PM 7/1/02 -0700, you wrote:
Begin Quoted Text
>So, I'm confused about something. If the digis in LA have the RELAY

```
>function turned off, what happens if you have RELAY as your first label
>in your path?  Do all the digis ignore you, or do they just ignore the
>RELAY and look at the next label?
>
>73,
>Glen Tubbesing
>N7GOT
>Las Vegas, NV
>
> > -----Original Message-----
> > If you go to LA, just know that only one main digi may respond to
>Relay. We
> > should be using WIDEn-N anyway.
>
>
>
>---
>You are currently subscribed to aprssig as: rwf@bsrg.org
>To unsubscribe send a blank email to leave-aprssig-842K@lists.tapr.org
>Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org
End Of Quoted Text


---
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Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org
```

44. [aprssig] Re: KPC3 ID/NOID settings

From: Ralph Fowler <rwf@mindspring.com>
Date: Tue, 02 Jul 2002 08:01:45 -0400
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-87719-2002.07.02-07.44.47--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

```
Maybe in your area. But go to LA and see why this doesn't work.


At 11:49 PM 7/1/02 -0400, you wrote:
Begin Quoted Text
>They will ignore you.  That is why it is important to have all the
>WIDE digipeaters setup to accept RELAY as well and just the RELAY
>digipeaters will be setup for plain RELAY.


---
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Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org
```

45. [aprssig] Out of station memory in WAPRS2.61

From: David VanHorn <dvanhorn@cedar.net>
Date: Tue, 02 Jul 2002 07:56:00 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-87720-2002.07.02-08.33.14--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

```
Just how high do I have to set stations in memory.txt to not run out of
station memory?

I seem to have maxed out at 4096 stations, no matter what that value is set to.


---
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Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org
```

46. [aprssig] Re: KPC3 ID/NOID settings

From: Bob Bruninga <bruninga@usna.edu>
Date: Tue, 2 Jul 2002 09:14:23 -0400 (EDT)
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: TAPR APRS Special Interest Group <aprssig@lists.tapr.org>
Message-ID: <LYR842-87723-2002.07.02-08.52.13--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

```
On Mon, 1 Jul 2002, Ralph Fowler wrote:

> If you go to LA, just know that only one main digi may respond to Relay.
```

Now that is a good idea.

In otherwords, since their problem is that too many DIGIS in LA hear the same packet, they have turned off RELAY in ALL of them. But if they instead, looked at the big picture and just made sure that at least one digi in range of everywhere would respond to RELAY, then the system will still serve the mobile user passing through and they have helped reduce the dupes...

Great idea Ralph...

Bob

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47. [aprssig] combining a digi and a weather station

From: "Stan Horzepa" <shorzepa@c-cor.net>
Date: Tue, 2 Jul 2002 8:41:50
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-87725-2002.07.02-09.19.36--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Tell me why I should not interface a weather station to a high profile APRS digipeater.

Stan "flirting with disaster" Horzepa, WA1LOU

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Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

48. [aprssig] Re: combining a digi and a weather station

From: "George Kammerzell" <n0zed@rmaprs.org>
Date: Tue, 2 Jul 2002 07:59:51 -0600
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-87726-2002.07.02-09.37.35--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

well if it is in a location like n0zed-5 , it won't last , I replaces the wind cups 3 times before I gave up , seem like a peet 500 cant handle 140+ mph winds and sub zero temps at the same time ,
I you do , best to send the weather info every 30 min or so
----- Original Message -----
From: "Stan Horzepa" <shorzepa@c-cor.net>
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Sent: Tuesday, July 02, 2002 8:41 AM
Subject: [aprssig] combining a digi and a weather station

> Tell me why I should not interface a weather station to a high profile
APRS
> digipeater.
>
> Stan "flirting with disaster" Horzepa, WA1LOU
>
> ---
> You are currently subscribed to aprssig as: n0zed@rmaprs.org
> To unsubscribe send a blank email to leave-aprssig-842K@lists.tapr.org
> Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org
>
>

You are currently subscribed to aprssig as: lyris.aprssig@tapr.org
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Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

49. [aprssig] Re: combining a digi and a weather station

From: wes@johnston.net
Date: Tue, 02 Jul 2002 07:00:38 -0700 (PDT)

To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: shorzepa@c-cor.net
Message-ID: <LYR842-87727-2002.07.02-09.39.03--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

It would be *terrible*... lol... your WX would have to travel one less hop than it does now, maybe even ONE hop. Honestly, I can't see anything wrong with the idea at all. If memory serves me correctly, I think Ralph Fowler said something about doing this a few years ago.

Wes

Tell me why I should not interface a weather station to a high profile APRS digipeater.

Stan "flirting with disaster" Horzepa, WA1LOU

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To unsubscribe send a blank email to leave-aprssig-842K@lists.tapr.org
Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

50. [aprssig] Re: combining a digi and a weather station

From: "stanzepa@earthlink.net" <stanzepa@earthlink.net>
Date: Tue, 2 Jul 2002 10:31:47 -0400
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-87729-2002.07.02-10.09.33--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

I have received a lot of great comments, but I should have provided more information about the high profile digi because some of the comments assume that the digi is located on a remote mountaintop. The digi (WA1LOU-15) and the weather station are on top of a mountain, but they are located in my house, not at a remote radio shack.

Thanks for all the comments,

Stan, WA1LOU

Original Message:

From: wes@johnston.net
Date: Tue, 02 Jul 2002 07:00:38 -0700 (PDT)
To: aprssig@lists.tapr.org, shorzepa@c-cor.net
Subject: [aprssig] Re: combining a digi and a weather station

It would be *terrible*... lol... your WX would have to travel one less hop than it does now, maybe even ONE hop. Honestly, I can't see anything wrong with the idea at all. If memory serves me correctly, I think Ralph Fowler said something about doing this a few years ago.

Wes

Tell me why I should not interface a weather station to a high profile APRS digipeater.

Stan "flirting with disaster" Horzepa, WA1LOU

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To unsubscribe send a blank email to leave-aprssig-842K@lists.tapr.org
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----
mail2web - Check your email from the web at
http://mail2web.com/ .

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Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

51. [aprssig] Re: combining a digi and a weather station

From: "Eric Christensen, KF4OTN" <kf4otn@cox.net>
Date: Tue, 2 Jul 2002 10:33:20 -0400
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>

Message-ID: <LYR842-87730-2002.07.02-10.11.12--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Our local digi (K4ROK) is up and running with a weather station. It works very well! (It is down for reprogramming and maintenance at the moment). It is nice having a dual purpose station.

73s,
Eric KF4OTN

----- Original Message -----
From: <wes@johnston.net>
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: <shorzepa@c-cor.net>
Sent: Tuesday, July 02, 2002 10:00
Subject: [aprssig] Re: combining a digi and a weather station

It would be *terrible*... lol... your WX would have to travel one
less hop than
it does now, maybe even ONE hop. Honestly, I can't see anything
wrong with the
idea at all. If memory serves me correctly, I think Ralph Fowler
said
something about doing this a few years ago.

Wes

Tell me why I should not interface a weather station to a high
profile APRS
digipeater.

Stan "flirting with disaster" Horzepa, WA1LOU

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Questions regarding the SIG go to the SIG administrator:
wa1lou@tapr.org

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To unsubscribe send a blank email to leave-aprssig-842K@lists.tapr.org
Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

52. [aprssig] Re: combining a digi and a weather station

From: Bob Bruninga <bruninga@usna.edu>
Date: Tue, 2 Jul 2002 10:36:11 -0400 (EDT)
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: TAPR APRS Special Interest Group <aprssig@lists.tapr.org>
Message-ID: <LYR842-87731-2002.07.02-10.15.28--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

On Tue, 2 Jul 2002, George Kammerzell wrote about a WX at a digi:

> I you do , best to send the weather info every 30 min or so

But such weather is useless. A good routine is something like the following:

  one packet DIRECT (no digis) every 5 Minutes...*
  One WX packet via adjacent digis only when it changes....*

* APRSdos decays the time period between WX packets if there is no change to TEMPS and RAIN and a percentage of WIND SPEED. THus, unchanging weather is not redundantly transmitted too often.

Bob

> ----- Original Message -----
> From: "Stan Horzepa" <shorzepa@c-cor.net>

```
> To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
> Sent: Tuesday, July 02, 2002 8:41 AM
> Subject: [aprssig] combining a digi and a weather station
>
>
> > Tell me why I should not interface a weather station to a high profile
> APRS
> > digipeater.
> >
> > Stan "flirting with disaster" Horzepa, WA1LOU
> >
> > ---
> > You are currently subscribed to aprssig as: n0zed@rmaprs.org
> > To unsubscribe send a blank email to leave-aprssig-842K@lists.tapr.org
> > Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org
> >
> >
>
>
> ---
> You are currently subscribed to aprssig as: bruninga@usna.edu
> To unsubscribe send a blank email to leave-aprssig-842K@lists.tapr.org
> Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org
>

de WB4APR@amsat.org, Bob

PCsat WEB  page     http://www.ew.usna.edu/~bruninga/pcsat.html
ISS-APRS FAQ:       http://www.ew.usna.edu/~bruninga/iss-faq.html
CUBESAT Designs     http://www.ew.usna.edu/~bruninga/cubesat.html
APRS LIVE pages     http://www.ew.usna.edu/~bruninga/aprs.html
APRS SATELLITES     http://www.ew.usna.edu/~bruninga/astars.html
MIM/Mic-E/Mic-Lite  http://www.toad.net/~wclement/bruninga/mic-lite.html


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```

53. [aprssig] Re: combining a digi and a weather station

From: "Roy Bost" <rbost@itexas.net>
Date: Tue, 2 Jul 2002 09:37:18 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-87732-2002.07.02-10.17.20--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

```
Because it would let too many people know what the weather conditions at the
location of the digi? ;-)



---
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```

54. [aprssig] Bill Diaz Emai address

From: kb2scs@optonline.net
Date: Tue, 02 Jul 2002 10:35:17 -0400
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-87733-2002.07.02-10.17.40--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

```
Hi Bill
          Please send me an email. I need your new email address.
Thanks
Let us hope we never witness the "Silence Of The Hams"
73 DE John  KB2SCS
   Mail To:     kb2scs@wa2pnu.#nli.ny.usa.noam
   E-Mail:      kb2scs@optonline.net

---
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Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org
```

55. [aprssig] Re: Out of station memory in WAPRS2.61

From: David VanHorn <dvanhorn@cedar.net>
Date: Tue, 02 Jul 2002 08:50:18 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-87738-2002.07.02-10.25.37--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

```
At 06:42 AM 7/2/2002 -0700, Spider wrote:
>How much memory do you have?  That is normally the problem.  If you are
>running Win95 and Winaprs and whatever else on 32mb or ram....you are going
>to have troubles!  If you are running 512mb ram, I doubt you'll have
>troubles!

512M exactly.  I've set the memory.txt file to allocate 131072
Past 32768, I'm not showing any improvement in the number of stations in
the station list when I start seeing the "out of memory" messages.

>You might consider connecting to a server that will limit the area of
>coverage so that you are not bombed with stations.

Shouldn't be a problem, I've still got 200M free according to the system
monitor.

>Or, you can run Afilter and limit it yourself!
>You can download AFilter at www.wa6oft.com

Seems a shame to DL all that data, then toss it.
Wasteful of server loading as well.



---
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```

---

56. [aprssig] Re: Out of station memory in WAPRS2.61

From: David VanHorn <dvanhorn@cedar.net>
Date: Tue, 02 Jul 2002 09:48:31 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-87739-2002.07.02-10.28.16--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

```
At 07:11 AM 7/2/2002 -0700, Byron Smith wrote:
>I usually set mine to 8192. Also you need at least 40-64 Mb of system ram
>to hold this.
>The more, the better. Usually when Winaprs runs out of memory, you start
>seeing the
>child/parent windows couldnt create messages.
>Winaprs certainly loves memory.

I'm set way higher than that, but past 32768 it dosen't go higher than 4096
stations.

I'm not getting any errors, other than the "out of memory in station list"



---
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```

---

57. [aprssig] Re: KPC3 ID/NOID settings

From: Ralph Fowler <rwf@mindspring.com>
Date: Tue, 02 Jul 2002 10:47:06 -0400
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-87741-2002.07.02-10.31.46--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

```
I was under the impression that this was how it was anyway: ONE of them was
always supposed to respond.
That's why I never could understand what the big deal was.  If that isn't
how it is, then I have been wrong the last 2-3 years.
The replying digi might not be the highest or best situated, but the idea
was to at least get a packet out somewhere.


Maybe Greg Noneman can enlighten us as to what ended up happening.
```

```
At 09:14 AM 7/2/02 -0400, you wrote:
Begin Quoted Text
>On Mon, 1 Jul 2002, Ralph Fowler wrote:
>
> > If you go to LA, just know that only one main digi may respond to Relay.
>
>Now that is a good idea.
>
>In otherwords, since their problem is that too many DIGIS in LA hear the
>same packet, they have turned off RELAY in ALL of them.  But if they
>instead, looked at the big picture and just made sure that at least one
>digi in range of everywhere would respond to RELAY, then the system will
>still serve the mobile user passing through and they have helped reduce
>the dupes...
>
>Great idea Ralph...
>
>Bob
End Of Quoted Text


---
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Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org
```

58. [aprssig] WA1LOU and mountains

From: Earl Needham <needhame@yucca.net>
Date: Tue, 02 Jul 2002 09:06:37 -0600
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-87742-2002.07.02-10.47.41--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

```
At 10:31 AM 7/2/2002 -0400, stanzepa@earthlink.net wrote:
>I have received a lot of great comments, but I should have provided more
>information about the high profile digi because some of the comments
>assume that the digi is located on a remote mountaintop. The digi
>(WA1LOU-15) and the weather station are on top of a mountain, but they are
>located in my house, not at a remote radio shack.

         Y'all have mountains back east???  <G>

         7 3
         Earl

         P.S.  This is the first time I can remember Stan asking for
assistance on the APRSSIG!


Earl Needham, KD5XB, Clovis, New Mexico  DM84jk
KD5XB-2>APW251,PCSAT-1*:=3425.83N/10313.55W-PHG7150/WinAPRS 2.5.1
-EARL_CLOVIS -251-<630>
Did you get a letter from Nigeria offering a "deal"?  See
http://home.rica.net/alphae/419coal/ and
http://www.crimes-of-persuasion.com/Crimes/Business/nigerian.htm


---
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```

59. [aprssig] Re: Out of station memory in WAPRS2.61

From: Earl Needham <needhame@yucca.net>
Date: Tue, 02 Jul 2002 09:08:58 -0600
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-87743-2002.07.02-10.48.09--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

```
At 09:48 AM 7/2/2002 -0500, David VanHorn wrote:
>At 07:11 AM 7/2/2002 -0700, Byron Smith wrote:
>>I usually set mine to 8192. Also you need at least 40-64 Mb of system ram
>>to hold this.
>>The more, the better. Usually when Winaprs runs out of memory, you start
>>seeing the
>>child/parent windows couldnt create messages.
>>Winaprs certainly loves memory.
>
```

```
>I'm set way higher than that, but past 32768 it dosen't go higher than
>4096 stations.
>
>I'm not getting any errors, other than the "out of memory in station list"
```

Here are MY settings, and I haven't noticed the error message, although occasionally WinAPRS will slows the machine down a bit...

```
>>STATIONS        16382
>>MESSAGES        16382
>>PKTBUFFER       2000192
>>DESTROYICONS    YES
```

7 3
Earl

```
Earl Needham, KD5XB, Clovis, New Mexico  DM84jk
KD5XB-2>APW251,PCSAT-1*:=3425.83N/10313.55W-PHG7150/WinAPRS 2.5.1
-EARL_CLOVIS -251-<630>
```

Did you get a letter from Nigeria offering a "deal"? See
http://home.rica.net/alphae/419coal/ and
http://www.crimes-of-persuasion.com/Crimes/Business/nigerian.htm

---
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Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

60. [aprssig] Re: combining a digi and a weather station

From: "Sadowski, Allan" <allan.sadowski@ncshp.org>
Date: Tue, 2 Jul 2002 11:09:46 -0400
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-87744-2002.07.02-10.48.54--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Weather sensors mounted much much higher than average ground level give less than accurate readings... the wind speeds, wind direction, and temp are not indicative of proper ground readings....

A great web site that is very illuminating on these (and other WX station site issues) is:

http://www.users.qwest.net/~crb5/

If the WX data is to be useful for forecasters and thier numerical prediction programs... it needs to meet NWS standards.... otherwise it's interesting... but largely usless data....

ALOHA
AH6LS

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61. [aprssig] Re: Out of station memory in WAPRS2.61

From: David VanHorn <dvanhorn@cedar.net>
Date: Tue, 02 Jul 2002 10:47:45 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-87747-2002.07.02-11.25.52--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

```
>>
>>I'm set way higher than that, but past 32768 it dosen't go higher than
>>4096 stations.
>>
>>I'm not getting any errors, other than the "out of memory in station list"
>
>         Here are MY settings, and I haven't noticed the error message,
> although occasionally WinAPRS will slows the machine down a bit...
>
>>>STATIONS        16382
>>>MESSAGES        16382
>>>PKTBUFFER       2000192
```

```
>>>DESTROYICONS    YES

Ok.. My stations is at 131072. Messages was 8192, your packet buffer is
MUCH larger than mine was (65536), and I did not have destroyicons set.

I'll see what happens with that.

BTW: 2.61 does not have an auto-reconnect button that I can find, like
older versions did, to set auto-connect to the network.


---
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```

---

62. [aprssig] Re: combining a digi and a weather station

From: "jeff king" <jking@aerodata.net>
Date: Tue, 2 Jul 2002 10:58:43 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-87748-2002.07.02-11.36.50--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

```
Stan asked:

> Tell me why I should not interface a weather station to a high
profile APRS
> digipeater.


Only reason I can think of not to do it is that the location is so
unique (read high and out of the weather patterns) that the weather
data doesn't mean much to anyone that would decode it. But I have no
clue if or if not that is relevent.

One thing you can do if your concerned about RF footprint is have the
WX PTT also drive the rig to low power, like maybe with a relay or
something. This is assuming seperate WX TNC and DIGI TNC of course. Or
even with the same TNC I guess you could monitor the WX serial line and
use that to control the low power relay.

-Jeff

---
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```

---

63. [aprssig] Re: combining a digi and a weather station

From: "Ronald Reams" <wa4mjf@worldnet.att.net>
Date: Tue, 2 Jul 2002 12:10:52 -0400
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-87752-2002.07.02-11.48.35--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

```
I think Stan means use the same transmitter.

Nothin' was said about puttin' the wx station on the tower.
Wx station have a stanadard height above a specified terrain
in a white box with louvers.

73 de Ronnie


----- Original Message -----
From: "jeff king" <jking@aerodata.net>
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Sent: Tuesday, July 02, 2002 11:58
Subject: [aprssig] Re: combining a digi and a weather station


Stan asked:

> Tell me why I should not interface a weather station to a high
profile APRS
> digipeater.


Only reason I can think of not to do it is that the location is so
```

```
unique (read high and out of the weather patterns) that the weather
data doesn't mean much to anyone that would decode it. But I have no
clue if or if not that is relevent.

One thing you can do if your concerned about RF footprint is have the
WX PTT also drive the rig to low power, like maybe with a relay or
something. This is assuming seperate WX TNC and DIGI TNC of course. Or
even with the same TNC I guess you could monitor the WX serial line and
use that to control the low power relay.

-Jeff



---
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```

---

64. [aprssig] Re: combining a digi and a weather station

From: "jeff king" <jking@aerodata.net>
Date: Tue, 2 Jul 2002 11:25:26 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-87753-2002.07.02-12.03.19--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

```
> I think Stan means use the same transmitter.

Yeap, that is what I assumed as well. Most transmitters have a power
level control on them that could be selected if he wanted one
transmission to be "lower profile" then another (if that was his
concern). The weather device could select this through a simple relay
or PIC circuit.


> Nothin' was said about puttin' the wx station on the tower.
> Wx station have a stanadard height above a specified terrain
> in a white box with louvers.

He said he was on a mountain, hence one could assume any amateur class
tower would be insignicant compared to the height of the mountain.
Hence, the weather being monitored would be the weather on the
mountain. My point was is this information useful to most observers? I
have no opinion, just trying to discuss the gentlemen's question (which
by implication was one of channel utilization aka high profile data
source).




> ----- Original Message -----
> From: "jeff king" <jking@aerodata.net>
> To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
> Sent: Tuesday, July 02, 2002 11:58
> Subject: [aprssig] Re: combining a digi and a weather station
>
>
> Stan asked:
>
> > Tell me why I should not interface a weather station to a high
> profile APRS
> > digipeater.
>
>
> Only reason I can think of not to do it is that the location is so
> unique (read high and out of the weather patterns) that the weather
> data doesn't mean much to anyone that would decode it. But I have no
> clue if or if not that is relevent.
>
> One thing you can do if your concerned about RF footprint is have the
> WX PTT also drive the rig to low power, like maybe with a relay or
> something. This is assuming seperate WX TNC and DIGI TNC of course.
Or
> even with the same TNC I guess you could monitor the WX serial line
and
> use that to control the low power relay.
>
> -Jeff
```

```
---
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Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org
```

65. [aprssig] Re: KPC3 ID/NOID settings

From: Bill Vodall - WA7NWP <wa7nwp@yahoo.com>
Date: Tue, 02 Jul 2002 09:37:39 -0700
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-87754-2002.07.02-12.15.30--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

```
At 07:49 PM 7/1/02 -0400, Ralph Fowler wrote:

>The ID/NOID discussion on KPC 3 digis is basically a religious issue for Bob,

It's not a Ford vs Chevy issue.  There is a major difference in the information content
available in the packets received.

ID on is like having telephone caller-ID that gives you your own phone number every
time you get a phone call.

NOID tells you where the packet is coming from.


>and so is the issue of not having a RELAY alias in California. Local decisions sometimes override what
everyone else does for various reasons that may or may not be explainable or understandable.

Some areas that don't support RELAY have very valid and explainable reasons for what they do.  But
breaking a national convention is something that shouldn't be done.

(And least I be too much of a BB supporter, the Kenwood D700 is guilty of the same...  <grin> )

Bill - WA7NWP



---
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Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org
```

66. [aprssig] Re: combining a digi and a weather station

From: wes@johnston.net
Date: Tue, 02 Jul 2002 09:45:23 -0700 (PDT)
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-87755-2002.07.02-12.23.14--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

```
Jeff, you have opened up an interesting can of worms...  unfortunately, I can't
figure out how to implement it with my tracker's icom 281.  I suppose I could
install a power amp and drive it with 5watts, and switch it on/off as needed
for low and high power.  But for the most part that comes at the expense of
TXDelay.

For the sake of saving bandwidth, and as an experiment, I have programmed my
wife's tracker to have two different paths and two different beacon rates.

Path 1 has no digipeaters in it.  It is simplex only.
path 2 has the usual path like R,W,W3-3 or something like that.

Path 1 has a pretty high beacon rate
Path 2 is slower.

I'd love to lower the power for path 1 to say, 5 watts and have path 2 on
50watts.

In case anyone asks, the reason for the "simplex" no path beacon is that I got
tired of "leap frogging" her on my kenwood when we drive someplace together in
different cars.  The kenwood does not support dead reconing (I don't fault it
for that at all).  Ideally, I'd like a high beacon rate with an effective RF
range of like 1 mile, tops.  5 watts is as low as the icom 281 will go.

Heck, here's another idea for the smart beacon PIC for the kenwood rigs... the
kenwoods send out their s-meter reading over the serial port.  Perhaps it would
be possible to adjust the output power on your kenwood as needed based on
```

stations in close proximity to you.

Wes

From: "jeff king" <jking@aerodata.net>
> One thing you can do if your concerned about RF footprint is have the
> WX PTT also drive the rig to low power, like maybe with a relay or
> something. This is assuming seperate WX TNC and DIGI TNC of course. Or
> even with the same TNC I guess you could monitor the WX serial line and
> use that to control the low power relay.
>
> -Jeff

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Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

---

67. [aprssig] Re: combining a digi and a weather station

From: "jeff king" <jking@aerodata.net>
Date: Tue, 2 Jul 2002 12:01:38 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-87763-2002.07.02-12.39.30--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Wes said:

> Heck, here's another idea for the smart beacon PIC for the kenwood
rigs... the
> kenwoods send out their s-meter reading over the serial port.

Now that is a good thing in particular if it can be linked to a transmission packet from a specific station.

>Perhaps it would
> be possible to adjust the output power on your kenwood as needed
based on
> stations in close proximity to you.

Tim Shepard did a Phd Thesis paper on this I believe, might even be on the TAPR web site. The idea being that any mesh network (like APRS) is infintely scalable with power management.

But getting back to your point, are you saying that if you hear a particular "RELAY" station as a certain signal strength you can back annotate your power level to only run enough power to hit that particular station? I think this would be a very good thing for any second generation design of a Amateur AVL/Mobile data network. In fact, one could make a strong case for it just based on the Part 97 rules (using the minimum required power). And interestingly enough, this is actually codified in the FCC rules for Eb/No for the spread spectrum rules (Eb/No is a energy per bit level, similar to S/N ratio).

While one could implement it with present day APRS transmitters (lets say high =50 watts, low = 5 watts) that 10db of difference is not enough. I'd think one would want at least a 50db dynamic range, lets say levels of 50, 5, 0.5W and 50 and 5 milliwatts.

-Jeff

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Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

---

68. [aprssig] Re: combining a digi and a weather station

From: "Spider" <spider@rivcom.net>
Date: Tue, 2 Jul 2002 11:12:39 -0700
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-87764-2002.07.02-13.50.38--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

> If the WX data is to be useful for forecasters and thier numerical
> prediction programs... it needs to meet NWS standards.... otherwise it's
> interesting... but largely usless data....

>
> ALOHA
> AH6LS
>

That is not necessarily a true statement. Fire Weather, for example, uses different specs than the typical NWS and this is documented for RAWS stations, etc. There are also world standards that are different as well. Just depends on what the user of the data is looking for. NWS is only one user. Differing specs do not make for useless data. Those that do collect the data understand this.
However, a weather station should follow, to the best of it's ability, the specification that is used by the end user/s of the data.

Jim, WA6OFT

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To unsubscribe send a blank email to leave-aprssig-842K@lists.tapr.org
Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

69. [aprssig] Re: No RELAY in LA Was Re: KPC3 ID/NOID settings

From: WA8LMF2@aol.com
Date: Tue, 2 Jul 2002 14:38:02 EDT
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: bruninga@usna.edu
Message-ID: <LYR842-87765-2002.07.02-14.15.53--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

In a message dated 7/2/02 6:16:22 AM Pacific Daylight Time, bruninga@usna.edu writes:

> just made sure that at least one
> digi in range of everywhere

There is no single digi in range of "everywhere"!!!

The greater L.A. is a sprawl of 18 million people in an area about 100 miles across spanning all or parts of 5 counties stretched over, under, around, and through no less than 5 mountain ranges 2000 to 7000 feet high. The City of L.A. alone is cut in half by the 2000' high Santa Monica Mtns that are topped by the famous Mulholland Drive with it's spectacular scenic vistas.

It is possible to drive from being heard by 5 digis to being heard by none in a space of only 5 miles or less.

For example, the L.A. county sheriff's dispatch system uses simulcast with 17 transmitters on different mtn tops at the same time to achieve only about 70% coverage of L.A. county alone. Not to mention the populated areas of the adjoining Ventura, Orange, San Bernardino and Riverside counties that comprise the greater LA area.

For decades, everyone in the two-way radio business from outside the area (the FCC, the major radio systems vendors, APCO, etc) has failed to understand how extraordinarily different (and difficult) radio systems design and spectrum management is here due to the geography, population distribution and climate.
For example the FCC's formulas for co-channel milage separation rules (for commercial radio users) are totally meaningless in a place where a station at 3000 feet elevation in the mountain foothills can report an antenna elevation of 100' AAT (above average terrain) because it averages the 6000 foot mountains to the north with the sea-level basin to the south.

Stephen H. Smith   wa8lmf @ aol.com

(Who has driven over 200,000 miles in the last 10 yeare measuring and mapping radio coverage in SoCal)

Home Page:
http://members.aol.com/wa8lmf
Ham Radio/Mobile SSTV page: http://members.aol.com/wa8lmf/ham
APRS Stuff
http://members.aol.com/wa8lmf/aprs

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---

70. [aprssig] FW: combining a digi and a weather station

From: "Ray McKnight - WB3ABN" <shortsheep@worldnet.att.net>
Date: Tue, 2 Jul 2002 11:40:35 -0700
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-87766-2002.07.02-14.18.38--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

If you can do a reasonable job in "siting" your sensors, there's no reason why this wouldn't be a good idea. When you say "high profile", I assume that means a "wide" digi? Or at least a digi with good coverage, lots of traffic? From the standpoint of the weather data, the reporting interval or frequency of its broadcast should have little if any impact on the digi's ability to do "digi things". Looking at it from the other way, the digi may be too busy at times to allow the wx station to broadcast, but certainly it won't be delayed significantly. A weather observation remains valid until the next reporting interval. I would think it wouldn't be delayed more than a few seconds.

There have been a few responses containing incorrect assumptions. Some said "don't do it" because you're on a high mountain and your weather observations won't mean anything to the rest of us on "ground level". Or your wind readings are useless because they're not taken at the standard observation height of 10 meters. YOUR OBSERVATIONS ARE VALID FOR YOUR LOCATION - PERIOD. People without knowledge of forecasting make the assumption that weather only occurs at the ground. In fact, in forecasting you always start at the "top" and work your way down. The upper atmosphere causes the weather at the ground, it doesn't start down here and work its way up! You actually can measure wind more accurately on the top of a mountain because you don't have surface obstructions causing interference. If you're reporting winds from an 8,000 peak, which is very useful in validating wind models at various stages in the upper atmosphere.

I believe Bob said that if your observations were 30 minutes old, they're useless. Just not true. Maybe they're not relevant to a pilot landing an airplane, but they're still useful in establishing trends. Too many people believe that weather observations have to be instantaneous. There's a time and place for this type of observation. For fixed APRS wx stations making routine, scheduled observations the "instantaneous" concept has little merit. If your goal is to track tornados, fine, but let's not confuse routine observation with severe weather tracking.

It was also wisely noted that you should strive to adhere to NWS guidelines in observation and reporting. However, this is almost impossible due to the built-in limitations of all the hobby-oriented weather stations. You cannot program them to adhere to established sampling intervals, apply the necessary algorithms, nor cause them to produce data at intervals other than what has been programmed at the factory. APRS weather clients do not have the ability to control these functions. We have to live with these built-in limitations, and use the data with the knowledge of how it was observed and reported. Strive to site your sensors correctly to obtain the most accurate readings; that will be your greatest challenge and make the difference between useful data and just more APRS noise.

73's
Ray - WB3ABN
Kingston, WA

-----Original Message-----
From: bounce-aprssig-29143@lists.tapr.org
[mailto:bounce-aprssig-29143@lists.tapr.org] On Behalf Of Stan Horzepa

Sent: Tuesday, July 02, 2002 08:42
To: TAPR APRS Special Interest Group
Subject: [aprssig] combining a digi and a weather station

Tell me why I should not interface a weather station to a high profile
APRS
digipeater.

Stan "flirting with disaster" Horzepa, WA1LOU

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---

71. [aprssig] Re: combining a digi and a weather station

From: WA8LMF2@aol.com
Date: Tue, 2 Jul 2002 14:41:58 EDT
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-87767-2002.07.02-14.20.10--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

In a message dated 7/2/02 6:43:03 AM Pacific Daylight Time,
shorzepa@c-cor.net writes:

> Tell me why I should not interface a weather station to a high profile APRS
> digipeater.
>
> Stan "flirting with disaster" Horzepa, WA1LOU
>

1) It'll fill up D700 message memories causing people to gripe

2) Assuming the "high-profile" digi is on a mountaintop: Is anyone (except
skiers maybe) interested in the WX at the top of the mountain instead of the
areas below?

Just playing devil's advocate.....

Stephen H. Smith
Email: wa8lmf @ aol.com
Homepage: http://members.aol.com/wa8lmf

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---

72. [aprssig] Re: combining a digi and a weather station

From: "Ray McKnight - WB3ABN" <shortsheep@worldnet.att.net>
Date: Tue, 2 Jul 2002 11:50:08 -0700
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: <aprssig@tapr.org>
Message-ID: <LYR842-87771-2002.07.02-14.29.53--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Let's not take things out of context and read between the lines. Sure,
there are lots of different specifications and protocols. We're talking
APRS here, and in the U.S., where Stan lives, we need to adhere to NWS
guidelines. Which, BTW, are derived from WMO specifications used around
the world for surface and aviation weather observations. NWS adopts WMO

almost verbatim. But as long as we know NWS guidelines, we should also
be aware of any differences with WMO as well. There's no reason to
confuse the issue by introducing all the other protocols, as they are
not relevant to APRS.

73's
Ray - WB3ABN
Kingston, WA

-----Original Message-----
From: bounce-aprssig-29143@lists.tapr.org
[mailto:bounce-aprssig-29143@lists.tapr.org] On Behalf Of Spider
Sent: Tuesday, July 02, 2002 11:13
To: TAPR APRS Special Interest Group
Subject: [aprssig] Re: combining a digi and a weather station

> If the WX data is to be useful for forecasters and thier numerical
> prediction programs... it needs to meet NWS standards.... otherwise
it's
> interesting... but largely usless data....
>
> ALOHA
> AH6LS
>

That is not necessarily a true statement. Fire Weather, for example,
uses
different specs than the typical NWS and this is documented for RAWS
stations, etc. There are also world standards that are different as
well.
Just depends on what the user of the data is looking for. NWS is only
one
user. Differing specs do not make for useless data. Those that do
collect
the data understand this.
However, a weather station should follow, to the best of it's ability,
the
specification that is used by the end user/s of the data.

Jim, WA6OFT

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73. [aprssig] APRSdos update

From: Bob Bruninga <bruninga@usna.edu>
Date: Tue, 2 Jul 2002 14:51:54 -0400 (EDT)
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: aprsnews@tapr.org
Message-ID: <LYR842-87772-2002.07.02-14.30.20--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

I have updated APRSdos somewhat: APRS852.zip ASTK-EXE.ZIP and ADAT-EXE.ZIP.
These are the few tweaks:

1) MAPS-PLOTS-POWER command will show PHG circles that are HALF the
   previous size due to MOBILEs having drastically smaller range due to
   multipath and fading. Use MAPS-PLOTS-FIXED command to see the normal
   ranges for fixed stations (like it was before)..

2) APRSdos has always set the decay-down-to net-cycle-time proportional to
   the length of your path so that by default, APRSdos at events or local
   applications would use more frequent (10 min) updates, but that longer
   paths would assume a more regional application with longer timing
   periods to reduce QRM according to the following table...

```
   10 Mins:  Direct
   10 Mins:  DIGI                or WIDE1-1
   20 Mins:  DIGI1,DIGI2         or WIDE2-2
   30 mins:  DIGI1,DIGI2,DIGI3...or WIDE3-N or greater
```

Problem was, up until NOW, the WIDEn-N were not counted, so a path of WIDE3-3 by itself would be considered a one hop path with a high reporting rate... This is now fixed.

3) Added KB2SCS's LOOKUP.EXE to the distribution so that if you want to find all about subject XXXXX in any of the dozens of README files, just use LOOKUP.EXE.

de WB4APR@amsat.org, Bob

PCsat WEB page	http://www.ew.usna.edu/~bruninga/pcsat.html
ISS-APRS FAQ:	http://www.ew.usna.edu/~bruninga/iss-faq.html
CUBESAT Designs	http://www.ew.usna.edu/~bruninga/cubesat.html
APRS LIVE pages	http://www.ew.usna.edu/~bruninga/aprs.html
APRS SATELLITES	http://www.ew.usna.edu/~bruninga/astars.html

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74. [aprssig] Re: combining a digi and a weather station

From: WA8LMF2@aol.com
Date: Tue, 2 Jul 2002 14:52:49 EDT
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-87775-2002.07.02-14.32.49--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

In a message dated 7/2/02 10:03:39 AM Pacific Daylight Time, jking@aerodata.net writes:

> The idea being that any mesh network (like APRS) is
> infintely scalable with power management.

Just what cell phones do! What we call an "S-meter" they call RSSI (Received Signal Strength Indicator). The transmit power of a cell phone handset is throttled back based on the carrier level it is hearing from the cell site.

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75. [aprssig] Re: combining a digi and a weather station

From: "Eric Christensen, KF4OTN" <kf4otn@cox.net>
Date: Tue, 2 Jul 2002 14:56:16 -0400
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-87779-2002.07.02-14.34.42--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

How will it fill up a D700's message memories? When a WX station sends out an updated WX report, the D700 just replaces the old data on that station with the new. The WX stations don't send messages. At least the ones around here don't. :)

73s,
Eric KF4OTN

----- Original Message -----
From: <WA8LMF2@aol.com>
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Sent: Tuesday, July 02, 2002 14:41
Subject: [aprssig] Re: combining a digi and a weather station

In a message dated 7/2/02 6:43:03 AM Pacific Daylight Time, shorzepa@c-cor.net writes:

> Tell me why I should not interface a weather station to a high
profile APRS
> digipeater.
>
> Stan "flirting with disaster" Horzepa, WA1LOU
>

1) It'll fill up D700 message memories causing people to gripe

2) Assuming the "high-profile" digi is on a mountaintop: Is anyone
(except
skiers maybe) interested in the WX at the top of the mountain instead
of the
areas below?

Just playing devil's advocate.....

Stephen H. Smith
Email: wa8lmf @ aol.com
Homepage: http://members.aol.com/wa8lmf

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76. [aprssig] Re: combining a digi and a weather station

From: WA8LMF2@aol.com
Date: Tue, 2 Jul 2002 15:00:46 EDT
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-87780-2002.07.02-14.40.26--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

In a message dated 7/2/02 11:56:57 AM Pacific Daylight Time, kf4otn@cox.net
writes:

> How will it fill up a D700's message memories? When a WX station
> sends out an updated WX report, the D700 just replaces the old data
> on that station with the new. The WX stations don't send messages.
> At least the ones around here don't. :)

I'm not intimately familiar with the WX reporting formats; I just remember
threads on this list about a year or two ago that were a heated discussion of
this very thing.   Though now as I think about it I think it was hurricane
bulletins, not routine WX reports that were at issue.

Stephen H. Smith   wa8lmf @ aol.com
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http://members.aol.com/wa8lmf
Ham Radio/Mobile SSTV page: http://members.aol.com/wa8lmf/ham
APRS Stuff
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77. [aprssig] Re: KPC3 ID/NOID settings

From: Bob Bruninga <bruninga@usna.edu>
Date: Tue, 2 Jul 2002 15:11:40 -0400 (EDT)
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: TAPR APRS Special Interest Group <aprssig@lists.tapr.org>
Message-ID: <LYR842-87781-2002.07.02-14.52.40--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

WA7NWP gave a great ID/NOID explaination that everyone can understand!

> "ID" on is like having telephone caller-ID that overwrites all incoming
> Telephone numbers with YOUR OWN phone number on every call.
>
> "NOID" does not overwrite so you can see WHO CALLED (where the packet
> is coming from).

(I rephrased it a little bit tho)..

Bob

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78. [aprssig] TNC settings and APRS programs

From: WA8LMF2@aol.com
Date: Tue, 2 Jul 2002 15:20:23 EDT
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-87783-2002.07.02-15.01.14--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

This was originally an off-list reply to the post below. I just got a reply
that this fixed his problem. I have decided that this is of sufficient
general interest so I'm posting my response to the list now.....   de WA8LMF

In a message dated 6/30/02 4:11:18 PM Pacific Daylight Time,
dean.blosberg@medtronic.com writes:

> At the suggestion of many I updated to 2.6.1 and still have same issues
> running WinAPRS and my TNC.
>
> Hyperterminal communicates with TNC just fine, WinAPRS running and going
to
> terminal page shows junk. I am using the exact comm 1 settings of baud
> 1200, even parity, 7 bits and 1 stop - does not work...
>
> Maybe my TNC settings?

1) Is the TNC actually outputting data to the computer at only 1200 BAUD?
Although the on-air data rate over the radio is 1200, usually the link
between the TNC and the computer is set much faster -- 4800 is common in APRS
circles since that is the standard data rate used by GPS receivers.

2) TAPR-type TNCs (i.e. MFJ-12xx series) continue to perpetuate the archaic
7-E-1 data format (7-bit "classic ASCII" data with even parity) by default.
This was the most common default serial port communications setting in the
mini-computer era of the mid '70s when TAPR packet was born.
Today, it's a pain-in-the-neck anachronism. APRS was born in the PC era
of the late '80s when 8-N-1 parity-less serial comms had become virtually
universal. Most APRS programs expect 8-bit data and want the TNC set to 8-N-1
(8 data bits and NO parity). 7-E-1 means the 8th bit is abitrarily being set
high or low based on the combined value of the first 7 bits.   Many APRS apps
will choke on this "garbage" data.

    [Note that setting the serial port mode in the program only affects the
PC's serial port -- not the TNC at the other end of the cable!   To change
the TNC's settings means either setting dip switches on the TNC or sending it
commands from a terminal program on the PC]

HyperTerm AUTOMATICALLY recognizes and accomodates both 8-N1 and 7-E-1 so
monitoring the TNC with it wouldn''t make this difference obvious. While in
HyperTerm, get the TNC into the command mode if it isnt there already, and
type the commands:

```
"8BIT ON  <return>"       [ tells TNC to leave 8th bit as-is on incoming-from
air data]
      and then
"AWLEN 8 <return>"      [tells TNC to leave 8th bit as-is on outgoing-to-air
data]
      and then
"PARITY 0 <return>        [tells TNC to not add parity bits to the stream
coming out the serial port.
```

If the TNC's backup lithium battery is in good order, these settings should
stick. However, I like to leave the battery unconnected so I can completely
clear the TNC of invalid settings when some program screws it up by removing
it's power. In this case, you will have to enter these settings each time you
start.

 [The battery-backed parameter settings are also a vestige of the 1970s and
early '80s when people were connecting TTY machines and dumb ASCII terminals,
not computers, to TNCs. Today, with PCs able to automatically and
effortlessly stuff initializations into the TNC every time you start a
program, sticky settings are much less important.]

You can add these lines to the TNC initialization file that WinAPRS reads
each time it starts.

It is also possible to actually hack and modify the TAPR firmware in the
EPROM to make 8-N-1 the automatic power-up default; I have done this to all
my TNC2 and MFJ TNCS and is a real convenience.

Stephen H. Smith   wa8lmf @ aol.com
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http://members.aol.com/wa8lmf
Ham Radio/Mobile SSTV page: http://members.aol.com/wa8lmf/ham
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79. [aprssig] Re: TNC settings and APRS programs

From: David VanHorn <dvanhorn@cedar.net>
Date: Tue, 02 Jul 2002 14:41:33 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-87784-2002.07.02-15.19.11--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

At 03:20 PM 7/2/2002 -0400, WA8LMF2@aol.com wrote:
>7-E-1 means the 8th bit is abitrarily being set
>high or low based on the combined value of the first 7 bits.

That's hardly arbitrary. It's an exactly defined standard.
It is however, archaic.

Valid word lengths used to be as small as 5 or 6 bits, and parity could be
Even, Odd, Mark or Space. Stop bits of 1, 1.5, and 2 were also used.

Today, most anything should be capable of 8N1, and I would be surprised to
see a TNC set to 1200 or below. 9600 or 4800 make a lot more sense.

I prefer 4800, since it is the same as NMEA GPS units, but Kenwood got us
with the TH-D7 that's 9600 only.

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80. [aprssig] Re: trimble tk510.exe

From: "Mike Nettles" <kb5wbh@arrl.net>
Date: Tue, 2 Jul 2002 15:15:39 -0700
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-87801-2002.07.02-15.53.47--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

I did get a copy of the files.
Thanks
Mike kb5wbh

----- Original Message -----
From: "Mike Nettles" <kb5wbh@arrl.net>
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Sent: Tuesday, July 02, 2002 5:50 AM
Subject: [aprssig] trimble tk510.exe

> Was anyone able to ftp this file from the trimble site (Tk510.exe)? If so
> can you send me a copy?
> Thanks
> Mike KB5WBH
>
>
> ---
> Outgoing mail is certified Virus Free.
> Checked by AVG anti-virus system (http://www.grisoft.com).
> Version: 6.0.372 / Virus Database: 207 - Release Date: 6/22/02
>
>
> ---
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>
>

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Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

81. [aprssig] Re: No RELAY in LA Was Re: KPC3 ID/NOID settings

From: Bob Bruninga <bruninga@usna.edu>
Date: Tue, 2 Jul 2002 16:34:26 -0400 (EDT)
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-87802-2002.07.02-16.12.16--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

On Tue, 2 Jul 2002 WA8LMF2@aol.com wrote:

> > just made sure that at least one
> > digi in range of everywhere has RELAY enabled...
>
> There is no single digi in range of "everywhere"!!!

My use of the term "everywhere" was meant to mean in "relative sense",
that is, relative to ZERO which is my current understanding of how RELAY
is supported in LA... My understanding was that ALL RELAY capability had
been disabled in all of the LA mountain top digis. THus RELAY would not
work anywhere unless you were near a home digi (a very rare occurance).

In that context, it makes sense to me to judiciously turn on the RELAY function in a selected subset of non-overlaping digis so that the function of RELAY still works somewhat for travelers, but that the duplication problem of too many RELAYS is eliminated... Further, once this subset is figured out, it doesnt hurt to enable WIDE at those sites too..

I would think that with the topography out there, that such a subset would be easy to find... SO my use of the term "everywhere" was not appropriate. WHat I meant was "a reasonable area". Again, this is not expected to be thorough, but to give a modicum of coverage for the default RELAY,WIDEn-N visitor.

de WB4APR, Bob

> The greater L.A. is a sprawl of 18 million people in an area about 100 miles
> across spanning all or parts of 5 counties stretched over, under, around, and
> through no less than 5 mountain ranges 2000 to 7000 feet high. The City of
> L.A. alone is cut in half by the 2000' high Santa Monica Mtns that are topped
> by the famous Mulholland Drive with it's spectacular scenic vistas.
>
> It is possible to drive from being heard by 5 digis to being heard by none in
> a space of only 5 miles or less.
>
> For decades, everyone in the two-way radio business from outside the area
> (the FCC, the major radio systems vendors, APCO, etc) has failed to
> understand how extraordinarily different (and difficult) radio systems design
> and spectrum management is here due to the geography, population
> distribution and climate.
> For example the FCC's formulas for co-channel milage separation rules
> (for commercial radio users) are totally meaningless in a place where a
> station at 3000 feet elevation in the mountain foothills can report an
> antenna elevation of 100' AAT (above average terrain) because it averages the
> 6000 foot mountains to the north with the sea-level basin to the south.
>
> Stephen H. Smith wa8lmf @ aol.com

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82. [aprssig] Rejected Packet???

From: "Eric Christensen, KF4OTN" <kf4otn@cox.net>
Date: Tue, 2 Jul 2002 16:55:19 -0400
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-87803-2002.07.02-16.33.15--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Can anyone tell me why this packet didn't make it though AFilter to go to the IS? It was heard by my IGATE and for whatever reason didn't make it to the IS because AFilter didn't like it and rejected it.

```
WA4SAS-8>BEACON,PCSAT-1*,KF4OTN-1,I:!3505.52N/08055.52W#HELLO FROM
FORT MILL, SC
```

I would like to know so that either I can fix the problem on my side or I can get WA4SAS to fix it on his side so his packets are correct.

Thanks,
Eric KF4OTN

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83. [aprssig] Re: PCsat Load test

From: Bob Bruninga <bruninga@usna.edu>
Date: Tue, 2 Jul 2002 17:33:30 -0400 (EDT)
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: amsat-bb@amsat.org
Message-ID: <LYR842-87804-2002.07.02-17.11.20--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

On Thurs, 27 June we conducted a user LOAD Test on PCSAT:

> ...Before it goes back into maximum ecllipses, I would like to load
> PCsat with as MANY different users as we can. Target is TOMORRW.
> THURSDAY AFTERNOON, GOING HOME RUSH HOUR, USA, 27 JUNE 2002

RESULTS: A Qualified success. With a user load of 56 simultaneous users, the success rate was over 97%, thus validating the viability of the PCsat and other Space digipeaters (ISS) as a means of letting a large number of users share a satellite during a pass.

DISCUSSION: But it was still not a full load test, since the digipeater was still only lightly loaded (maybe 10% of design load). The design goal of PCsat was to be able to support on average about 300 to 500 users per day in the USA... The following are the details of the test.

SUCCESS: 30 out of 31 with the correct settings were successful (97%)

LOAD: 16 others were trying (QRM) but had the wrong digipeater callsign because PCsat reset in Eclipse and was not properly configured. Of these, one station reported transmitting every 12 seconds throughtout the pass in frustration. Compared to the requested nominal 2 minute rate, he counts for an added channel load of 10 more users... for a total of 56.

The desired transmit dutycycle per user was to be one packet every 1 or 2 minutes. Most users appear to have adhered to that objective and still were able to achieve success.

I am sorry that PCsat was not available during Field Day due to run down batteries. Maybe then we could have seen how the design would have worked with a full load of several hundred users. PCsat is still usable in the afternoon sun, but not in the morning or at night due to not being charged up. PCsat is running out of battery power and resettting itself every eclipse.

If we make it to the next full sun period in September, maybe we can try again to get a full user load to valideate the design...

Thanks for all your participation.
Bob Bruninga
WB4APR

These calls were successful:

AA3VO,AA9LC,AB7QN
K5OE,K9ORP,KA0AZS,KB0VBZ,KB1GUE,KB5HPL,KC0JHQ,KC4ZGQ,KD7MJC
N3SOK,N4QWF,N6CO,N6JLH,N7VMR,N9ORP,N8ORJ,NP3ZY
W3SMK,W4JBB,W8AAS,WA4SAS,WA4SSP,WB4APR,WB4JBB,WB8NW
VE3DOH,XE2ARF

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---

84. [aprssig] Re: combining a digi and a weather station

From: "Russ Chadwick" <kb0tvj@peakpeak.com>
Date: Tue, 2 Jul 2002 22:32:20 -0000
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-87816-2002.07.02-18.10.16--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

The link below is to my old web site which Qwest has not removed (even though I have sent them 3 e-mails). The newer site is

http://www.peakpeak.com/~kb0tvj/   or

http://www.wxqa.com   wxqa for "weather quality assurance".

Russ Chadwick   KBØTVJ
Boulder, Colorado
www.wxqa.com

----- Original Message -----
From: "Sadowski, Allan" <allan.sadowski@ncshp.org>

To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Sent: Tuesday, July 02, 2002 3:09 PM
Subject: [aprssig] Re: combining a digi and a weather station

> Weather sensors mounted much much higher than average ground level give
less
> than accurate readings... the wind speeds, wind direction, and temp are
not
> indicative of proper ground readings....
>
> A great web site that is very illuminating on these (and other WX station
> site issues) is:
>
> http://www.users.qwest.net/~crb5/
>
> If the WX data is to be useful for forecasters and thier numerical
> prediction programs... it needs to meet NWS standards.... otherwise it's
> interesting... but largely usless data....
>
> ALOHA
> AH6LS
>
>
>
> ---
> You are currently subscribed to aprssig as: kb0tvj@peakpeak.com
> To unsubscribe send a blank email to leave-aprssig-842K@lists.tapr.org
> Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org
>
>

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---

85. [aprssig] Re: combining a digi and a weather station

From: Wally Foster <wfoster@hsc.usc.edu>
Date: Tue, 02 Jul 2002 16:00:28 -0700
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: TAPR APRS Special Interest Group <aprssig@lists.tapr.org>
Message-ID: <LYR842-87832-2002.07.02-18.38.46--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

No reason whatsoever.. I did it about 5 years ago on the W6APA-2 digi on Castro
Peak and it has provided info to local fire as well as the NWS in Oxnard.. Go
for it..

Stan Horzepa wrote:

> Tell me why I should not interface a weather station to a high profile APRS
> digipeater.
>
> Stan "flirting with disaster" Horzepa, WA1LOU
>
> ---
> You are currently subscribed to aprssig as: WFOSTER@HSC.USC.EDU
> To unsubscribe send a blank email to leave-aprssig-842K@lists.tapr.org
> Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

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86. [aprssig] Re: TNC settings and APRS programs

From: Bob Nielsen <nielsen@oz.net>
Date: Tue, 2 Jul 2002 16:18:28 -0700
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-87834-2002.07.02-18.57.36--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

On Tue, Jul 02, 2002 at 02:41:33PM -0500, David VanHorn wrote:
> At 03:20 PM 7/2/2002 -0400, WA8LMF2@aol.com wrote:
> >7-E-1 means the 8th bit is abitrarily being set

> >high or low based on the combined value of the first 7 bits.
>
> That's hardly arbitrary. It's an exactly defined standard.
> It is however, archaic.
>
> Valid word lengths used to be as small as 5 or 6 bits, and parity could be
> Even, Odd, Mark or Space. Stop bits of 1, 1.5, and 2 were also used.
>
>
> Today, most anything should be capable of 8N1, and I would be surprised to
> see a TNC set to 1200 or below. 9600 or 4800 make a lot more sense.
> I prefer 4800, since it is the same as NMEA GPS units, but Kenwood got us
> with the TH-D7 that's 9600 only.

The TAPR TNC-2 and many clones won't do 9600 reliably with the stock
op-amp used as an RS-232 interface. There are several drop-in
replacements, such as the TL-084 which have better performance. Many
years ago there was a mod published in PSR describing how to achieve
19200.

The default EPROM locations for most of the TNC-2 parameters for
version 1.1.8 firmware were published and appear in the revision I made
to the TNC-2 system manual at ftp://tapr.org/software_lib/tnc/tncdocs.zip.
If one has access to a PROM reader/burner, it is a fairly easy task to
change many of the defaults, such as going from 7-E-1 to 8-N-0. I
don't know about any of the other versions or clones, however.

Some of the TNC-2 clones use different circuitry and firmware and will
handle higher speeds and 8-N-1 without modification.

73,
Bob Nielsen, N7XY

---
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87. [aprssig] RE: Rejected Packet???

From: Bill Diaz <william.diaz@attbi.com>
Date: Tue, 2 Jul 2002 18:41:12 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-87836-2002.07.02-19.18.57--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Eric,

You have 2 AFilter sessions running and both have the distance filter set
to within 150 miles of 3534.80N 07718.93W

```
KF4OTN>APAF27,TCPIP*:=3534.80N/07718.93W- AFILTER 2.7.0 07/02/2002 22:22:12
KF4OTN-13>APAF27,TCPIP*:=3534.80N/07718.93WI AFILTER 2.7.0 07/02/2002
23:22:05
```

WA4SAS-8 (3505.52N 08055.52W) seems to be more than 150 miles from KF40TN.
 I tried to verify the actual distance with WinAprs 2.6.1 but the distance
measuring function seems to be broken.

Bill KC9XG

On Tuesday, July 02, 2002 15:55, Eric Christensen, KF4OTN
[SMTP:kf4otn@cox.net] wrote:
> Can anyone tell me why this packet didn't make it though AFilter to
> go to the IS? It was heard by my IGATE and for whatever reason
> didn't make it to the IS because AFilter didn't like it and rejected
> it.

> WA4SAS-8>BEACON,PCSAT-1*,KF4OTN-1,I:!3505.52N/08055.52W#HELLO FROM
> FORT MILL, SC

> I would like to know so that either I can fix the problem on my side
> or I can get WA4SAS to fix it on his side so his packets are correct.
>
> Thanks,
> Eric KF4OTN

---
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88. [aprssig] Re: combining a digi and a weather station

From: "Spider" <spider@rivcom.net>
Date: Tue, 2 Jul 2002 16:53:20 -0700
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-87837-2002.07.02-19.31.17--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

----- Original Message -----
From: "Ray McKnight - WB3ABN" <shortsheep@worldnet.att.net>
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: <aprssig@tapr.org>
Sent: Tuesday, July 02, 2002 11:50 AM
Subject: [aprssig] Re: combining a digi and a weather station

> Let's not take things out of context and read between the lines. Sure,
> there are lots of different specifications and protocols. We're talking
> APRS here, and in the U.S., where Stan lives, we need to adhere to NWS
> guidelines. Which, BTW, are derived from WMO specifications used around
> the world for surface and aviation weather observations. NWS adopts WMO
> almost verbatim. But as long as we know NWS guidelines, we should also
> be aware of any differences with WMO as well. There's no reason to
> confuse the issue by introducing all the other protocols, as they are
> not relevant to APRS.

I do not think anyone is taking anything out of context, but your statement
here raises some concerns.
How many APRSWXNET weather stations do you really think meet the NWS
guidelines (not protocols)?
I'd put a bet out there that at least 60% of them do not meet the guidelines
and for very simple and obvious reasons. And really, the number is probably
more like 90 % of them do not meet the spec to the letter.
However, I think that many of them are closer to meeting the specification
of other Mesonet stations such as the RAWS stations and after reading both
specs, it is clear to see why.
I would much rather follow the RAWS specs for a remote weather station.
Certainly, I do not have the property to meet the NWS specs you refer to. I
doubt many do!

Jim, WA6OFT

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89. [aprssig] Re: combining a digi and a weather station

From: "Ray McKnight - WB3ABN" <shortsheep@worldnet.att.net>
Date: Tue, 2 Jul 2002 17:28:57 -0700
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: <aprssig@tapr.org>
Message-ID: <LYR842-87841-2002.07.02-20.06.52--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Well, none of the hobby weather stations in use will likely ever meet
ANY of the specifications exactly. The fact that NWS is getting a data
dump from the APRS stream every 15 minutes makes it imperative that we
following FMH-1 as closely as possible. Individual wx station operators
99.x%+ of the time have no means to change anything about how their
stations sample, interpret, format or report the data. It's hard coded.
That's the way it is, and it stinks, but realistically it's probably
magnitudes better than every APRS wx station doing it how they think it
should be done. At least now we know the protocol each station and each
APRS client uses, and NWS is aware of that and the limitations of the
system. They automatically QC our data and reject unreasonable values.
If each APRS operator had the ability to make up their own mind as to
which protocol to follow the data would be useless to everyone except
the few who were aware of the protocol in use. Those unaware would take
the data at face value without the knowledge that it may be vastly
different than what they expect - THIS IS DANGEROUS.

I think you might be confusing station siting guidelines with reporting protocols. We report to NWS. NWS expects us to be using FMH-1. FMH-1 is a subset of WMO. If you don't follow that as closely as the hardware and software will permit, then you shouldn't be participating in the Citizens Weather or APRS Weather program. If you interject an odd protocol into a standardized system, you MUST make the others aware of what protocol you're following for the data to be useful. Otherwise, it's likely to just be rejected.

Again, NWS is aware of the limitations of our systems and takes that into consideration. HOW you install your sensors is the biggest variable of the equation. NO automated system is perfect, each will have some compromises in either their location or how a sensor is sited. We should do the best we can, and strive to educate ourselves to improve our data. But let's not even consider playing musical chairs with protocols.

73's
Ray - WB3ABN
Kingston, WA

-----Original Message-----
From: bounce-aprssig-29143@lists.tapr.org
[mailto:bounce-aprssig-29143@lists.tapr.org] On Behalf Of Spider
Sent: Tuesday, July 02, 2002 16:53
To: TAPR APRS Special Interest Group
Subject: [aprssig] Re: combining a digi and a weather station

----- Original Message -----
From: "Ray McKnight - WB3ABN" <shortsheep@worldnet.att.net>
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: <aprssig@tapr.org>
Sent: Tuesday, July 02, 2002 11:50 AM
Subject: [aprssig] Re: combining a digi and a weather station

> Let's not take things out of context and read between the lines. Sure,
> there are lots of different specifications and protocols. We're talking
> APRS here, and in the U.S., where Stan lives, we need to adhere to NWS
> guidelines. Which, BTW, are derived from WMO specifications used around
> the world for surface and aviation weather observations. NWS adopts WMO
> almost verbatim. But as long as we know NWS guidelines, we should also
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> not relevant to APRS.

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and for very simple and obvious reasons. And really, the number is probably
more like 90 % of them do not meet the spec to the letter.
However, I think that many of them are closer to meeting the specification
of other Mesonet stations such as the RAWS stations and after reading both
specs, it is clear to see why.
I would much rather follow the RAWS specs for a remote weather station.
Certainly, I do not have the property to meet the NWS specs you refer to. I
doubt many do!

Jim, WA6OFT

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90. [aprssig] Re: combining a digi and a weather station

From: WA8LMF2@aol.com
Date: Tue, 2 Jul 2002 20:34:48 EDT
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: dougy@ruraltel.net
Message-ID: <LYR842-87842-2002.07.02-20.12.44--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

In a message dated 7/2/02 2:05:17 PM Pacific Daylight Time,
dougy@ruraltel.net writes:

> Interesting; I always thought it was cell transmitter that adjusted power
> output according to the received signal strength from the telephone. I
> thought it was done that way to reduce interference to an adjacent cell
site
> using the same frequency pair. That makes sense to me and I don't know why
> one would want reduce the already miniscule power output of a portable
phone
> further.--73

The cell base station's antenna pattern is carefully adjusted to cover a very
precisely defined service area with minimal overlap with adjacent cells.
Often this involves actually tilting antennas downward slightly (either
physically or electrically) so the beam runs into the ground only a few miles
(or even just a few thousand feet in dense metro areas) from the tower.

The handset's pattern on the other hand is unpredictable and somewhat omni,
with it's shape changing randomly as the user holds it different ways. The
power foldback in the handset TX minimizes interference with adjacent cells
and, perhaps most importantly, increases the battery life.

Perhaps you've noticed that some of the new ham hand-helds now have menu
options for RSSI-driven power cutbacks -- no doubt a fallout of using IF
subsystem chips with RSSI output pins originally developed for cell phone
use.

```
Stephen H. Smith                   wa8lmf @ aol.com
Home Page:
http://members.aol.com/wa8lmf
Ham Radio/Mobile SSTV page:     http://members.aol.com/wa8lmf/ham
APRS Stuff
http://members.aol.com/wa8lmf/aprs
------------------------------------------------------------------------------

----------
|    Radio Communications Systems       Personal Computers
|                Consulting and Systems Integration
|    GPS Custom Mapping    &     Radio Coverage Surveys
|    File Conversions       MS-Windows Setups       VISCII Fonts
------------------------------------------------------------------------------

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91. [aprssig] Re: TNC settings and APRS programs

From: WA8LMF2@aol.com
Date: Tue, 2 Jul 2002 21:04:23 EDT
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: nielsen@oz.net
Message-ID: <LYR842-87852-2002.07.02-20.42.16--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

In a message dated 7/2/02 4:21:53 PM Pacific Daylight Time, nielsen@oz.net writes:

> The default EPROM locations for most of the TNC-2 parameters for
> version 1.1.8 firmware were published and appear in the revision I made
> to the TNC-2 system manual at ftp://tapr.org/software_lib/tnc/tncdocs.zip.
>
> If one has access to a PROM reader/burner, it is a fairly easy task to
> change many of the defaults,

That's exactly how I did it! When I accidentally discovered the table of default values/locations in the manual, I immediately realized I could get rid of this initialization nuiscense once and for all.

I determined that the same hex sequences appeared in about the same place in ROM images of Ver 1.1.9 and several versions of MFJ's modified TNC2 firmware. I made 8-N-1 versions of those also.

BTW, an absolutely marvelous tool for hacking ROM images is the shareware utility editor UltraEdit from:
    http://www.ultraedit.com

This may well be the ultimate programmer's editor. Once installed into Windows, you can right-click on ANY file with ANY extension and force it to open in UltraEdit. Anything that appears to be non-text automatically opens in the typical split screen with a 32 chars/line hex dump on the left and the ASCII literal equivalent on the right.
      When you open text files containing any common language (Basic, HTML, C, C++, etc) it highlights the language's keywords in contrasting colors and flags syntax errors characteristic of that language. You can edit the language definitions yourself so if you want to add the keywords for PIC assembler, or Stamp Basic you can.
       You can do complex find/replace operations either in hex or ASCII text, and it can do them across MULTIPLE FILES in the same directory all at once.
      It's tabbed interface lets you have multiple files open at the same time. It handles conversions between DOS, Windows/ANSI, Unix UTF, and EBCDIC text formats efortlessly and automatically, and also handles double-byte-per-character UniCode character sets.
      It has an incredible number of features that you can go on discovering for months, but the basic operation is so intuitive you can use it immediately without cracking the help system.   Definitely worth several times the $40 shareware registration..

For hacking EPROMs, it's abiltiy to do block mark/copy/paste operations on the hex side of the screen makes it very easy to, for example, combine the contents of two 27C256s into one file to burn into a 27C512. [This is how I have been making UI-DIGI/TAPR 1.1.9 "double-decker" EPROMs for the MFJ 127x TNCs.]

```
Stephen H. Smith                   wa8lmf @ aol.com
Home Page:
http://members.aol.com/wa8lmf
Ham Radio/Mobile SSTV page:     http://members.aol.com/wa8lmf/ham
APRS Stuff
http://members.aol.com/wa8lmf/aprs
-----------------------------------------------------------------------------

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|    Radio Communications Systems       Personal Computers
|                Consulting and Systems Integration
|    GPS Custom Mapping    &     Radio Coverage Surveys
|    File Conversions       MS-Windows Setups       VISCII Fonts
-----------------------------------------------------------------------------

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---

92. [aprssig] Re: help with tinytrak2 and tripmate!

From: "Byon Garrabrant" <byon@byon.com>
Date: Tue, 2 Jul 2002 18:14:59 -0700

To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-87853-2002.07.02-20.52.20--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

```
On 21 Jun 2002 at 22:39, Bob K8YS & Janet N8LBR <jbcraft@adelphia.net>
wrote:

> I am trying to get AA8EI's tinytrak and tripmate working...
>
> I need to ask someone that has mated these devices questions...
>
> I have done the autostart mod.
>
> I took the Serial Out from the GPS thru a 10K resistor and connected
> it to the CHIP SIDE of R14 (10K resistor) so that I can connect the
> computer and the GPS to the TT2 at the same time.
>
> My problem is that I see the RED (power) LED and the YELLOW (busy
> channel) LED, but it never goes into transmit.
>
> I tested each device, and I see the GPS data in the terminal mode...
>
> Suggestions? what am I missing??
>
> Bob

One thing to note:  The GPS should be connected through a 10K resistor to
the DB-9 side of R14, not the chip side.  That wouldn't stop transmissions,
however.

Byon



________________________________________
 Byon Garrabrant   N6BG   byon@byon.com


---
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93. [aprssig] Laptop Serial Port

From: "Ev Tupis (W2EV)" <w2ev@arrl.net>
Date: Tue, 02 Jul 2002 22:10:21 -0400
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-87855-2002.07.02-21.49.02--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

```
I just got this in my inbox and thought it would be of interest, given the
latest thread.

Ev, W2EV
--
BEACONet lets you look at the world in ways never before imagined.
http://go.to/BEACONet


RIGblaster - LapTops with USB but no Serial Port

So you got a brand new LapTop computer and when you went to connect it to your
RIGblaster you discovered there was no Serial Port.   Since then you have been
forced to run in VOX mode and then only if your radio has VOX.   Well now we
have a solution for this problem.   West Mountain Radio now offers a USB to
Serial Port Adapter by IOGEAR, Model GUC232A, which will allow you to connect
the RIGblaster to that new LapTop.   It is available on our website
(http://www.westmountainradio.com) for $34.95.

Look under RIGblaster Accessories on the Pricing & Ordering page of our Web
Site.


---
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```

94. [aprssig] Re: WA1LOU and mountains

From: "Ev Tupis (W2EV)" <w2ev@arrl.net>
Date: Tue, 02 Jul 2002 22:11:19 -0400
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-87856-2002.07.02-21.50.03--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

```
Earl Needham wrote:
>
> At 10:31 AM 7/2/2002 -0400, stanzepa@earthlink.net wrote:
> >I have received a lot of great comments, but I should have provided more
> >information about the high profile digi because some of the comments
> >assume that the digi is located on a remote mountaintop. The digi
> >(WA1LOU-15) and the weather station are on top of a mountain, but they are
> >located in my house, not at a remote radio shack.
>
>          Y'all have mountains back east???  <G>

Sure we do.  We make 'em out of molehills. :o)

Ev
--
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http://go.to/BEACONet



---
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```

---

95. [aprssig] Re: Laptop Serial Port

From: David VanHorn <dvanhorn@cedar.net>
Date: Tue, 02 Jul 2002 21:21:47 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-87873-2002.07.02-21.59.13--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

```
At 10:10 PM 7/2/2002 -0400, Ev Tupis (W2EV) wrote:
>I just got this in my inbox and thought it would be of interest, given the
>latest thread.
>
>Ev, W2EV
>--
>BEACONet lets you look at the world in ways never before imagined.
>http://go.to/BEACONet
>
>
>RIGblaster - LapTops with USB but no Serial Port
>
>So you got a brand new LapTop computer and when you went to connect it to your
>RIGblaster you discovered there was no Serial Port.   Since then you have been
>forced to run in VOX mode and then only if your radio has VOX.   Well now we
>have a solution for this problem.   West Mountain Radio now offers a USB to
>Serial Port Adapter by IOGEAR, Model GUC232A, which will allow you to connect
>the RIGblaster to that new LapTop.   It is available on our website
>(http://www.westmountainradio.com) for $34.95.

Well.. you COULD do your own vox for a couple bucks, and not waste an
expensive serial port.


---
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```

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96. [aprssig] Re: combining a digi and a weather station

From: "Ray McKnight - WB3ABN" <shortsheep@worldnet.att.net>
Date: Tue, 2 Jul 2002 21:22:58 -0700
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: <aprssig@tapr.org>
Message-ID: <LYR842-87893-2002.07.03-00.00.55--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

```
I think I need to clarify a few points I made regarding your comparison
of RAWS and NWS guidelines in relation to use on APRS.  If you look
closely at the RAWS protocol, specifically the reporting intervals,
sampling rates, and algorithms used to derive averages and other
standardized values, you will note that basically NONE of these
parameters match NWS protocols.  And for a very good reason.  The two
```

programs have entirely different goals. Obviously, as you have pointed out, sensors are sited in much different configurations.

Siting a wind sensor on the side of a hill at 20 ft versus a level field at 33 ft will produce vastly different results. Rightly so, because the wind field that each measures is aimed at the most representative value for the intended use. General forecasting and fire susceptibility need to measure different parts of the air column, and this earth/air interface has been exhaustively studied and debated to find the most appropriate measurement method. Conversely, when NWS places a met buoy in the water, sensors are at levels optimum for that goal - or at least the data can be properly interpreted by knowing how it was measured.

Also consider that average wind values for RAWS are derived from a 10 minute sampling interval, whereas NWS uses a 2 minute interval. These are the "algorithms" I referred to. Preprocessing of raw data to conform to the reporting protocol. RAWS does it differently than NWS. Even the reporting interval is different, likely optimized in RAWS for satellite reception (too often it's too costly, too little might be too late)

So these are some good examples why we just can't start swapping protocols. The algorithms hard coded in all hobby weather stations are for NWS standards based on FMH-1 (even though NONE match it perfectly). They can't be changed by the end user (us). This is what we need to use. APRS client software would have to be completely revised to accommodate RAWS protocol, even IF it was determined that RAWS was more appropriate for routine surface weather observations, which it isn't.

The goals of the two programs are different, that's why the methods are different.

73's
Ray - WB3ABN
Kingston, WA

-----Original Message-----
From: bounce-aprssig-29143@lists.tapr.org
[mailto:bounce-aprssig-29143@lists.tapr.org] On Behalf Of Spider
Sent: Tuesday, July 02, 2002 16:53
To: TAPR APRS Special Interest Group
Subject: [aprssig] Re: combining a digi and a weather station

----- Original Message -----
From: "Ray McKnight - WB3ABN" <shortsheep@worldnet.att.net>
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: <aprssig@tapr.org>
Sent: Tuesday, July 02, 2002 11:50 AM
Subject: [aprssig] Re: combining a digi and a weather station

> Let's not take things out of context and read between the lines.
Sure,
> there are lots of different specifications and protocols. We're
talking
> APRS here, and in the U.S., where Stan lives, we need to adhere to NWS
> guidelines. Which, BTW, are derived from WMO specifications used
around
> the world for surface and aviation weather observations. NWS adopts
WMO
> almost verbatim. But as long as we know NWS guidelines, we should
also
> be aware of any differences with WMO as well. There's no reason to
> confuse the issue by introducing all the other protocols, as they are
> not relevant to APRS.

I do not think anyone is taking anything out of context, but your
statement
here raises some concerns.
How many APRSWXNET weather stations do you really think meet the NWS
guidelines (not protocols)?
I'd put a bet out there that at least 60% of them do not meet the
guidelines
and for very simple and obvious reasons. And really, the number is
probably
more like 90 % of them do not meet the spec to the letter.
However, I think that many of them are closer to meeting the
specification

of other Mesonet stations such as the RAWS stations and after reading
both
specs, it is clear to see why.
I would much rather follow the RAWS specs for a remote weather station.
Certainly, I do not have the property to meet the NWS specs you refer
to. I
doubt many do!

Jim, WA6OFT

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97. [aprssig] Re: Rejected Packet???

From: "Dick Stanich" <dick@kb7zva.com>
Date: Wed, 3 Jul 2002 0:33:43
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-87904-2002.07.03-01.11.34--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

There appears to be a conversion problem when entering lat & long in
AFilter 2.7.0

3240.40 / 11425.31
If entered as DDMM.MMMM/DDDMM.MMM this is what the query sends:
APRSWESTX>APAF27,TCPIP*:=324024.00N/1142518.60WI AFilter 2.7.0 07/03/2002
04:45:04

32.6733 / 114.4219
If entered as DD.DDDD/DDD.DDDD it is correct.
APRSWESTX>APAF27,TCPIP*:=3240.40N/11425.31WI AFilter 2.7.0 07/03/2002
04:49:51

This is what the Utilities formula shows in AFilter.

32 40' 24" N 114 25' 19" W = 32.6733 -114.4219

32.6733 -114.4219 = 3240.40 N 11425.31 W

Dick, KB7ZVA

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---

98. [aprssig] Re: WA1LOU and mountains

From: "M. Schneider" <msokla@brightok.net>
Date: Wed, 3 Jul 2002 01:00:54 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-87905-2002.07.03-01.33.05--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Sure they do, but in the west they are called foothills!

>
> Earl Needham wrote:
> >
> > At 10:31 AM 7/2/2002 -0400, stanzepa@earthlink.net wrote:
> > >I have received a lot of great comments, but I should have provided
more
> > >information about the high profile digi because some of the comments
> > >assume that the digi is located on a remote mountaintop. The digi
> > >(WA1LOU-15) and the weather station are on top of a mountain, but they
are
> > >located in my house, not at a remote radio shack.

> >
> >   Y'all have mountains back east??? <G>
>

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99. [aprssig] Re: Rejected Packet???

From: Bill Diaz <william.diaz@attbi.com>
Date: Wed, 3 Jul 2002 06:38:09 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-87909-2002.07.03-07.16.14--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Dick,

On Tuesday, July 02, 2002 19:34, Dick Stanich [SMTP:dick@kb7zva.com] wrote:
> There appears to be a conversion problem when entering lat & long in
> AFilter 2.7.0

> 3240.40 / 11425.31
> If entered as DDMM.MMMM/DDDMM.MMM this is what the query sends:
> APRSWESTX>APAF27,TCPIP*:=324024.00N/1142518.60WI AFilter 2.7.0 07/03/2002

> 04:45:04

The AFilter documentation states:
Station latitude and longitude can be entered as DD.DDDD or DDMM.MM. The
reload button must then be pressed before the new settings are registered
with AFilter. AFilter checks the validity of entries, and if no entry
errors are found, the latitude and longitude are displayed as DD.DDDD. See
the Utilities tab to convert between other location formats.

If the reload button is not pressed after entering DDMM.MMMM then AFilter
will send the location incorrectly as you indicated.

Bill KC9XG
> 32.6733 / 114.4219
> If entered as DD.DDDD/DDD.DDDD it is correct.
> APRSWESTX>APAF27,TCPIP*:=3240.40N/11425.31WI AFilter 2.7.0 07/03/2002
> 04:49:51

> This is what the Utilities formula shows in AFilter.
>
> 32 40' 24" N 114 25' 19" W = 32.6733 -114.4219
>
> 32.6733 -114.4219 = 3240.40 N 11425.31 W

> Dick, KB7ZVA

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100. [aprssig] Re: Rejected Packet???

From: "Dick Stanich" <dick@kb7zva.com>
Date: Wed, 3 Jul 2002 8:21:10
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-87918-2002.07.03-08.58.57--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Yes, exacto. And when you hit the reload button, it also gives you the
option to clear the distance filters. Otherwise, the new settings can cause
problems in position reporting, and may be rejected in some applications.

Dick, KB7ZVA

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101. [aprssig] Re: Rejected Packet???

From: Bill Diaz <william.diaz@attbi.com>
Date: Wed, 3 Jul 2002 08:42:35 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-87919-2002.07.03-09.20.48--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

```
Dick,
 Clearing the distance list has no effect on position reporting other than
to require that all stations supply new location registrations within the
newly defined distance filter before AFilter will pass packets of all types
from them.

Positions that pass the distance filter, and subsequent packets from that
station are not modified in any way.  Therefore, I can't see how the new
settings in AFilter can cause some applications to reject packets passed by
AFilter.

Bill KC9XG

On Wednesday, July 03, 2002 03:21, Dick Stanich [SMTP:dick@kb7zva.com]
wrote:
> Yes, exacto. And when you hit the reload button, it also gives you the
> option to clear the distance filters. Otherwise, the new settings can
cause
> problems in position reporting, and may be rejected in some applications.

> Dick, KB7ZVA
>


---
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102. [aprssig] "Via" commands

From: Frosty6981@aol.com
Date: Wed, 3 Jul 2002 10:04:46 EDT
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-87920-2002.07.03-09.42.40--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

```
What do the different commands like relay, wide actually do?

73, Reid KCØIDI

---
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```

103. [aprssig] Re: "Via" commands

From: "Eric Christensen, KF4OTN" <kf4otn@cox.net>
Date: Wed, 3 Jul 2002 10:20:28 -0400
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-87923-2002.07.03-09.59.35--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

```
There are roughly two different kinds of digipeaters.  Those that
cover a wide area and those that don't.  The digipeaters that cover a
wide area are the ones that you want to get into because they get
into other wide are digipeaters and thus carry your packet further
and further.  These digipeaters answer to the WIDE in your protopath
(via commands).  The RELAYs are stations that carry your packet to a
WIDE if you can't access a WIDE directly.  They relay your packet
into the circuit.

There are also commands like ECHO which is the same as RELAY, except
it is used on HF.  GATE is usually seen on the HF side and when heard
by a Gateway station moves the packet from HF to VHF.  SGATE is
usually seen on SATCOM (PCSat, ISS, etc) to move a packet from the
Satellite frequency over to the 144.39 VHF frequency.

The WIDE3-3 commands that you see work like WIDE,WIDE,WIDE.  Only it
is shorter and doesn't take as long for the modem to put them on the
air.  Whenever a wide digipeater hears the Widen-N, it reduces the N
by one so it won't continually be propagated out all over the place.
```

Hopefully I haven't confused anyone with this explanation.

73s,
Eric KF4OTN

----- Original Message -----
From: <Frosty6981@aol.com>
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Sent: Wednesday, July 03, 2002 10:04
Subject: [aprssig] "Via" commands

What do the different commands like relay, wide actually do?

73, Reid KC□IDI

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wa1lou@tapr.org

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Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

---

104. [aprssig] APRS WX stations

From: "Alan Heaberlin" <amh@QNET.COM>
Date: Wed, 3 Jul 2002 08:44:47 -0700
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-87932-2002.07.03-11.22.41--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

There may be no better use of APRS than for reporting weather observations. Tracking capabilities of the network are of course the primary use of APRS but because of the vagueries of the network sometimes trackers just don't track. Weather on the other hand is stationary and the transmitter, antenna and path can be optimized for the best efficiency.
Several kinds of users have need for weather data which can be described as instantaneous or historical (30 minute old data is historical). Weather forecasters are the top of the weather food chain and every effort should be made to report data which is useful to them. Fire weather, especially in the conditions we face here in California and all over the drought-ridden southwest is another primary use of weather data and again, accurate data is imperative. Outdoor recreation enthusiasts have an abiding need for good weather observations. Recreational pilots and skydivers are always interested in wind at several different altitudes. Nearly anyone that ventures past the couch and the front door needs good weather data.
I have a couple of weather stations in close proximity (10 miles apart) and they almost never report the same data. One being at Mojave, often listed as the windiest place in the US. Having several close-by weather stations helps validate the data though, since sometimes our amateur weather stations are prone to glitches in weather instrumentation, radio/tnc or computer. One of the things I strive for in building APRS WX is bullet-proof reliability. Since the only way to determine which is the best going out there in equipment available I am testing everybody's.
In order to put useful data on the network there are a couple of parameters that should be observed as closely as possible. Putting your wind sensor in the clear is helpful. NWS specifications call for the sensor to be 10 meters above the ground and 300 feet from any obstructions. In a home station this can be problematic but if you get it up as high as you can the lateral obstructions will be minimized somewhat. I have a portable station (for testing and remote observation) that has the wind sensor at 7 feet. It is amazing how much different it reads from my home station at 33 feet high only 100 feet away!
Keeping your temp sensor and humidity sensor in a radiation shield (or at least out of direct sunlight) is helpful in recording accurate temperatures and dewpoints.
There is getting to be an abundance of good quality, relatively low cost equipment out there that is being designed for APRS usage. Frankly I haven't discovered any of them to be of the Mil-Spec quality that I'm looking for, but by constructing much of my own equipment and using the best off the

shelf stuff I can find, I'm getting close. I'm getting ready to put some
solar-powered weather stations in the desert to support some wildlife
projects (Bighorn sheep water guzzlers) and this will be the test of
reliability of the equipment--weather and radio both.
While it is most useful to have your weather station reporting data where
people are living, working and commuting, high level WX digis are useful to
the forecasters (and weather nuts too). There are some pretty impressive
winds when you get above 5000 feet and we should know about it.
APRS has allowed me to merge my two favorite hobbies into one interesting,
innovative and useful project. Everybody should have a weather station on
their APRS digi.

Alan Heaberlin W6AMH
See my weather at: http://www.findu.com/cgi-bin/wxpage.cgi?w6amh-3

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105. [aprssig] Re: "Via" commands

From: David VanHorn <dvanhorn@cedar.net>
Date: Wed, 03 Jul 2002 10:57:02 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-87934-2002.07.03-11.34.15--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Important note: If your path list has an invalid element in it, like:

RelaT,wide,wide3-3 then you don't go anywhere, because noting is going to
respond to "relat"

Also if you have "relay,wide,wide3-3" and there isn't a "relay" that hears
you, then you still go nowhere, even though there may be a "wide" a mile away.

Most digis will respond to relay, or wide, or widen-n, but there are still
some areas out there that haven't upgraded for various reasons, and I
understand that you can't find a "relay" at all in the LA area.

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Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

106. [aprssig] Re: Rejected Packet???

From: "Dick Stanich" <dick@kb7zva.com>
Date: Wed, 3 Jul 2002 11:35:14
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-87942-2002.07.03-12.13.00--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

>Therefore, I can't see how the new settings in AFilter can cause some
applications to reject packets passed by AFilter.
>
> Bill KC9XG

```
APRSWESTX>APAF27,TCPIP*:=324024.00N/1142518.60WI AFilter 2.7.0 07/03/2002
04:45:04
```

This was only an example of what AFilter is capable of sending when the
input is wrong or the user doesn't hit 'reload'. Call it 'operator error'
<g>. I have no idea and wouldn't make the assumption that linking
applications will or will not reject the packet.

Dick, KB7ZVA

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Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

107. [aprssig] Re: APRS WX stations

From: "Dick Stanich" <dick@kb7zva.com>
Date: Wed, 3 Jul 2002 11:47:8
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-87943-2002.07.03-12.24.55--lyris.aprssig#tapr.org@lists.tapr.org>

Rendered body type: text/plain

Hams and Skywarn will ALWAYS be the NWS' best source for information during
severe weather.

Dick, KB7ZVA
APRSWest.net Port 23 (WX/CW Primary Server)
AHubCA.net Port 23 (WX/CW Secondary Server)

---
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Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

108. [aprssig] UI-View and WinAPRS

From: Frosty6981@aol.com
Date: Wed, 3 Jul 2002 13:24:10 EDT
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-87944-2002.07.03-13.02.02--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

This is probably a stupid question but will Maps form UI-View work on WinAPRS

73, Reid KC0IDI

---
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109. [aprssig] Re: APRS WX stations

From: David VanHorn <dvanhorn@cedar.net>
Date: Wed, 03 Jul 2002 12:36:52 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-87945-2002.07.03-13.14.30--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

At 11:47 AM 7/3/2002 +0000, Dick Stanich wrote:
>Hams and Skywarn will ALWAYS be the NWS' best source for information
>during severe weather.

Round here, we're trying to use APRS (and SSTV) to assist with Skywarn
ops.   APRS has made some strides lately, notably WAPRS261 which finally
handles dead reckoned weather objects in a rational manner. :)

---
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110. [aprssig] where are u WA2MNO (Bob)

From: Maiko Langelaar <maiko@langelaar.net>
Date: Wed, 3 Jul 2002 13:26:37 -0700
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-87965-2002.07.03-16.04.36--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Bob,

Where are u ? Been trying to send mail to your wa2mno.ampr.org
email server for several weeks. It just ain't working :-(

73 Maiko / VE4KLM

---
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111. [aprssig] Searching archives

From: Earl Needham <needhame@yucca.net>
Date: Wed, 03 Jul 2002 14:30:54 -0600

To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-87966-2002.07.03-16.09.00--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

```
I've been trying to figure out the archives of this list, and just can't
seem to get the hang of it.  What I really want to do is find the first
message I sent to the APRSSIG, to try and figure out about how long I've
been on the list.  Unfortunately, when I type "needham" into the search
window and hit the search button, I get a number of messages, but nowhere
near the earliest.

        How do you use the archives, anyway???

        Thanks,
        Earl


Earl Needham, KD5XB, Clovis, New Mexico  DM84jk
KD5XB-2>APW251,PCSAT-1*:=3425.83N/10313.55W-PHG7150/WinAPRS 2.5.1
-EARL_CLOVIS -251-<630>
Did you get a letter from Nigeria offering a "deal"?  See
http://home.rica.net/alphae/419coal/ and
http://www.crimes-of-persuasion.com/Crimes/Business/nigerian.htm



---
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Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org
```

112. [aprssig] Re: Searching archives

From: John Ackermann   N8UR <jra@febo.com>
Date: Wed, 03 Jul 2002 16:38:04 -0400
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-87967-2002.07.03-16.16.01--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

```
The problem is probably that you've posted more messages than the search
page would return.  By default, that's 50.  You can go further down the
page and select up to 1000 records in the return.  You might also try
including a year (starting maybe with 1994 and working your way up) as one
of the search terms.

73,
John N8UR

--On Wednesday, July 03, 2002 2:30 PM -0600 Earl Needham
<needhame@yucca.net> wrote:

>
>       I've been trying to figure out the archives of this list, and just can't
> seem to get the hang of it.  What I really want to do is find the first
> message I sent to the APRSSIG, to try and figure out about how long I've
> been on the list.  Unfortunately, when I type "needham" into the search
> window and hit the search button, I get a number of messages, but nowhere
> near the earliest.
>
>       How do you use the archives, anyway???
>
>       Thanks,
>       Earl
>
>
> Earl Needham, KD5XB, Clovis, New Mexico  DM84jk
> KD5XB-2>APW251,PCSAT-1*:=3425.83N/10313.55W-PHG7150/WinAPRS 2.5.1
> -EARL_CLOVIS -251-<630> Did you get a letter from Nigeria offering a
> "deal"?  See http://home.rica.net/alphae/419coal/ and
> http://www.crimes-of-persuasion.com/Crimes/Business/nigerian.htm
>
> ---
> You are currently subscribed to aprssig as: jra@febo.com
> To unsubscribe send a blank email to leave-aprssig-842K@lists.tapr.org
> Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org
>
>
>



----
```

```
John Ackermann    N8UR         jra@febo.com     http://www.febo.com
President, TAPR                n8ur@tapr.org    http://www.tapr.org


---
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Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org
```

113. [aprssig] APRS via ISS.

From: Bob Bruninga <bruninga@usna.edu>
Date: Wed, 3 Jul 2002 17:33:35 -0400 (EDT)
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: aprsnews@usna.edu
Message-ID: <LYR842-87968-2002.07.03-17.11.30--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

```
Now that ISS is again doing packet, and APRS is welcome,.... I caution
everyone not to overdo it.  Seeing your duplicated packet many many
times makes you look bad and APRS look  bad.  One guy (not APRS) was
transmitting every 10 seconds!

Also the BBS is again active and everyone is arguing over who gets to use
it.  The ARISS receommendation is still to not use it.  Leave that for the
crew and the VIP stations.  Remember these guidelines:

1) Dont operate unattended (or set one packet every 5 mins if you need to)
2) If attended, and a 50W Mobile, I would transmit no more often than
once every three minutes.  If a D7 HT with only 5W, I might do 2 minutes.

Your goal is not to QRM anyone else, but to get your packet in at least
once on the pass so others can see you and or QSL or contact you...  Same
for Messages.  One successful digipeat and everyone will have seen it...

de WB4APR@amsat.org, Bob

ISS-APRS FAQ:       http://www.ew.usna.edu/~bruninga/iss-faq.html


---
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```

114. [aprssig] Re: APRS WX stations

From: "Ken" <n9zip@attbi.com>
Date: Wed, 3 Jul 2002 17:59:16 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-87976-2002.07.03-18.37.06--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

```
I'll second that!

Ken N9ZIP
N.W.S. (IWX) TECH


----- Original Message -----
From: "Dick Stanich" <dick@kb7zva.com>
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Sent: Wednesday, July 03, 2002 11:00 AM
Subject: [aprssig] Re: APRS WX stations


> Hams and Skywarn will ALWAYS be the NWS' best source for information
during
> severe weather.
>
> Dick, KB7ZVA
> APRSWest.net Port 23 (WX/CW Primary Server)
> AHubCA.net Port 23 (WX/CW Secondary Server)
>
>
> ---
> You are currently subscribed to aprssig as: n9zip@attbi.com
> To unsubscribe send a blank email to leave-aprssig-842K@lists.tapr.org
> Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org
>
>
```

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115. [aprssig] Re: Web page updated

From: "The Hildebrands" <b.hildebrand@verizon.net>
Date: Wed, 3 Jul 2002 16:46:46 -0700
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-87977-2002.07.03-19.26.19--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

New option added --> Find Igates. Enter a callsign, for which a position is known, click the callsign option, and then click IGate. Or, enter the Latitude and Longitude using a "/" character as a separator, click the Lat/Long option, then IGate to search by Lat/Long. Example N34 / W117. Or, enter a Grid Square, click the Grid Square option, and the click IGate. The default range is 50 miles. You may need to increase this distance for more remote locations.

If you only know part of the callsign of a station, enter the portion you do know, click the Data button and a list of knows stations will be returned that contains that portion of the callsign. Use one of those callsigns to do a Near or IGate search. Example, Enter KH2 and a list of stations the KH2 prefix will be returned, then click on the link of one of the returned stations to perform a Near search. Then click the IGate button to perform an IGate search. Note, Entering a partial callsign of WB4 for example, may return a large amount of data, so please keep your searches reasonable.

Feedback always appreciated. Thanks

Brent Hildebrand, KH2Z

http://4.46.81.200

[]

----- Original Message -----
From: "The Hildebrands" <b.hildebrand@verizon.net>
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Sent: Sunday, June 30, 2002 10:46 AM
Subject: [aprssig] Re: Web page updated

Know Where Web page update:
http://4.46.81.200

The DNS on http://kh2z.lynxstudio.com is not currently working.

New addition - Track data. In position reports, if the background color of a line of position data is gray, then there is track data available, click on the station's Icon to retrieve track data. Currently it is returned as the raw data. Time is the number of seconds since Jan 1, 1900.

Brent KH2Z

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116. [aprssig] Packet Jibberish

From: James Smith <k9apr@tawg.org>
Date: Wed, 03 Jul 2002 21:29:08 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-87999-2002.07.03-22.08.09--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Hello All,

Is there a program or a way to break this packet down into LAT / LONG?

```
K5LPS-7>SURW5U,RELAY*,WIDE:'}ECl v/]"8%}
```

This is for friend traveling to the great Southwest.

Thanks in advance,

--
73, James, K9APR
Chairman\Coordinator
Tri-State APRS Working Group
http://www.tawg.org
mailto:k9apr@tawg.org
Run a APRS Site? Why not join the APRS Webring http://www.tawg.org/join.htm

---
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---

117. [aprssig] Re: "Via" commands

From: "Ev Tupis (W2EV)" <w2ev@arrl.net>
Date: Wed, 03 Jul 2002 22:43:23 -0400
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-88000-2002.07.03-22.22.05--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Frosty6981@aol.com wrote:
>
> What do the different commands like relay, wide actually do?
>
> 73, Reid KC0IDI

Hi Reid,
What you are about to read is full of generalizations, but it's accurate enough for your level of experience in the APRS world. Take the time to understand the below, and lurk for a while. We're more than willing to help.

RELAY and WIDE are called "path aliases" and appear as shown below in each APRS packet:

```
WD4RBX>APRS,RELAY,WIDE:...payload...
```

In the APRS world, the launching station is in control of how their packet is relayed throughout the APRS network. Hence, the term "Path". Each station in APRS is also given an "Alias" or alternative identification...in addition to their callsign. This "Alias" is usually RELAY or WIDE or TRACE or WIDEn-N or TRACEn-N or GATE or ECHO.

The above example is WD4RBX requesting that anyone with an alias of RELAY digipeat the packet frame. After that, anyone with an alias of WIDE should digipeat the frame.

Every APRS station should respond to a RELAY request. Only 24/7 stations at altitude (usually called stand-alone digipeaters) should have an alias of WIDE.

In the above example, WD4RBX wants anybody within range to digipeat his frame (with the hope that doing so will relay the signal to a 24/7 digipeater at altitude). Once that is done, then the 24/7 digipeater will (should) hear the packet and re-broadcast it over a much wider area.

Specifically...let's assume that W4AAA is another local station that is at a home and K4ZZ is a 24/7 digipeater at altitude. There is no difference between the following, functionally from WD4RBX's perspective):

```
WD4RBX>APRS,RELAY,WIDE:...
WD4RBX>APRS,W4AAA,K4ZZ:...
```

This is because W4AAA is a home station that responds to RELAY (as an alias) and K4ZZ is a digipeater that responds to WIDE.

Let this soak in for a day or so and ask more questions. I'm sure others on the list will chime in to help you to understand a bit.

Kind regards,
Ev Tupis, W2EV

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118. [aprssig] PicoPacket with 2 serial ports for sale

From: Paul Womble <pwomble1@tampabay.rr.com>
Date: Wed, 03 Jul 2002 22:51:42 -0400
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-88002-2002.07.03-22.29.59--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

This PacComm tnc has served me well as a tracker. Upgraded to a D700.

Includes manual and power cable.

Best offer over $100 get's to give it a new home.

Please email with any questions.

Thanks!

Paul K4FB

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119. [aprssig] RE: Packet Jibberish

From: "AE5PL Lists" <HamLists@ametx.com>
Date: Wed, 3 Jul 2002 22:13:30 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-88005-2002.07.03-22.51.22--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

This packet is a Mic-E packet. All of the APRS software available today
decode this sequence. You can manually decode it by downloading the
APRS specification from www.tapr.org and reviewing the Mic-E chapter.

73,

Pete Loveall AE5PL
http://www.ae5pl.net
mailto:pete@ae5pl.net

> -----Original Message-----
> From: James Smith [mailto:k9apr@tawg.org]
> Posted At: Wednesday, July 03, 2002 9:32 PM
> Subject: [aprssig] Packet Jibberish
>
> Is there a program or a way to break this packet down into LAT / LONG?
>
> K5LPS-7>SURW5U,RELAY*,WIDE:'}ECl v/]"8%}

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Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

120. [aprssig] Re: "Via" commands

From: tvsjr <tvsjr@sprynet.com>
Date: Wed, 03 Jul 2002 22:38:48 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-88006-2002.07.03-23.16.18--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

>Every APRS station should respond to a RELAY request. Only 24/7 stations at
>altitude (usually called stand-alone digipeaters) should have an alias of
>WIDE.

Ev, Bob, et al.-

What about those of us running D700s mobile with the option to digi? Should
the D700 respond to relay as well (especially in a highly-congested area
such as Dallas)?

Also, are there any plans to evolve to 9600 baud one of these days, since traffic congestion seems to be getting steadily worse?

Thanks,
Terry

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Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

---

121. [aprssig] Re: "Via" commands

From: "Wes Johnston" <wes@johnston.net>
Date: Thu, 4 Jul 2002 00:00:56 -0400
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: "aprs" <aprssig@tapr.org>
Message-ID: <LYR842-88010-2002.07.03-23.39.02--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

The kenwood d700 is an exception. It can only "be" one alias at a time. You
can make it digipeat WIDEs or RELAYs, but not both. 'most all other TNCs
have the space for 4 or so aliases.

Wes

----- Original Message -----
From: "tvsjr" <tvsjr@sprynet.com>
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Sent: Wednesday, July 03, 2002 11:38 PM
Subject: [aprssig] Re: "Via" commands

>
> >Every APRS station should respond to a RELAY request. Only 24/7 stations
at
> >altitude (usually called stand-alone digipeaters) should have an alias of
> >WIDE.
>
> Ev, Bob, et al.-
>
> What about those of us running D700s mobile with the option to digi?
Should
> the D700 respond to relay as well (especially in a highly-congested area
> such as Dallas)?
>
> Also, are there any plans to evolve to 9600 baud one of these days, since
> traffic congestion seems to be getting steadily worse?
>
> Thanks,
> Terry
>
>
>
> ---
> You are currently subscribed to aprssig as: kd4rdb@netzero.com
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>
>
>

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Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

---

122. [aprssig] Re: "Via" commands

From: tvsjr <tvsjr@sprynet.com>
Date: Wed, 03 Jul 2002 23:05:08 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: "aprs" <aprssig@tapr.org>
Message-ID: <LYR842-88011-2002.07.03-23.42.44--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Since I'm running mine mobile, I don't think Wide is a good idea... the
question is, should I digi RELAY packets, or not digi at all? I do activate

the digi function when I'm out in the surrounding counties and need to help
other mobiles make it into a wide (for instance, during RACES events, I
will turn on the digi so that other members have a better shot at making it
back to an Igate.

Terry

At 12:00 AM 07/04/2002 -0400, Wes Johnston wrote:
>The kenwood d700 is an exception. It can only "be" one alias at a time. You
>can make it digipeat WIDEs or RELAYs, but not both. 'most all other TNCs
>have the space for 4 or so aliases.
>
>Wes
>
>
>----- Original Message -----
>From: "tvsjr" <tvsjr@sprynet.com>
>To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
>Sent: Wednesday, July 03, 2002 11:38 PM
>Subject: [aprssig] Re: "Via" commands
>
>
> >
> > >Every APRS station should respond to a RELAY request. Only 24/7 stations
>at
> > >altitude (usually called stand-alone digipeaters) should have an alias of
> > >WIDE.
> >
> > Ev, Bob, et al.-
> >
> > What about those of us running D700s mobile with the option to digi?
>Should
> > the D700 respond to relay as well (especially in a highly-congested area
> > such as Dallas)?
> >
> > Also, are there any plans to evolve to 9600 baud one of these days, since
> > traffic congestion seems to be getting steadily worse?
> >
> > Thanks,
> > Terry
> >
> >
> >
> > ---
> > You are currently subscribed to aprssig as: kd4rdb@netzero.com
> > To unsubscribe send a blank email to leave-aprssig-842K@lists.tapr.org
> > Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org
> >
> >
> >

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To unsubscribe send a blank email to leave-aprssig-842K@lists.tapr.org
Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

123. [aprssig] APRS and Boy Scouts

From: Frosty6981@aol.com
Date: Thu, 4 Jul 2002 00:26:01 EDT
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-88025-2002.07.04-00.04.00--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

My troop will be heading to Colorado on Friday, July 5th, to go backpacking.
I will be running APRS under the call of KC0IDI-2 on the way out there and on
the way back. For those who would like to track us you are more than welcome
and if you are able to see us send a message or drop me an Email. Hope to
see you on the map.

73, Reid KCØIDI
       ASPL Troop 59
       Lawrence, KS

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124. [aprssig] Re: "Via" commands

From: Bill Vodall - WA7NWP <wa7nwp@yahoo.com>
Date: Wed, 03 Jul 2002 21:32:26 -0700
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-88026-2002.07.04-00.10.18--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

```
>Also, are there any plans to evolve to 9600 baud one of these days, since traffic congestion seems to
be getting steadily worse?
>
>Thanks,
>Terry


Any individual group or area can create their own APRS cell using any frequency
and any baudrate.   The key is to have at least one Igate bringing their packets
in to the core servers.

The Seattle area currently has two supplemental cells. One of a pair of
  digi's on 440 with a nice quiet channel so it's acceptable to run
mobile beacons with a much faster transmission rate.  The other "cell" is a 9600
baud digital repeater used primarily for TCP/IP traffic.   The local APRS traffic
is barely noticeable on a faster system without the overhead of digipeaters.

73,
Bill - WA7NWP


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```

125. [aprssig] World Map; Where To Find ?

From: wa4tkg@attbi.com
Date: Thu, 04 Jul 2002 05:30:52 +0000
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-88031-2002.07.04-01.08.48--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

```
I would like to get a World Map.
Anyone know a LIVE link to this map ?
I've tried the link to Rutgers; but it's not
working. (at least on MY server)

---
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```

126. [aprssig] Re: World Map; Where To Find ?

From: WA8LMF2@aol.com
Date: Thu, 4 Jul 2002 01:33:54 EDT
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-88032-2002.07.04-01.11.50--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

```
In a message dated 7/3/02 10:32:21 PM Pacific Daylight Time, wa4tkg@attbi.com
writes:

>  would like to get a World Map.
>  Anyone know a LIVE link to this map ?

It might help if you indicated what kind of map (physical, political, etc)
and what applications it is supposed to work with.....

---
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```

127. [aprssig] Re: "Via" commands

From: Bill Herrmann <bherrman@spro.net>
Date: Wed, 03 Jul 2002 23:50:52 -0600
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-88033-2002.07.04-01.36.02--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

At 12:00 AM 7/4/02 -0400, Wes Johnston wrote:
>The kenwood d700 is an exception. It can only "be" one alias at a time. You
>can make it digipeat WIDEs or RELAYs, but not both. 'most all other TNCs
>have the space for 4 or so aliases.

I don't think that's entirely true. It supports one alias and the UIFlood stuff. However, my understanding is that you have to set the UIFlood stuff via an attached computer.

Note that I don't have one so I'm relying on information from the manual, a knowledgeable owner, and testing prior to a recent field event.

I will note that Kenwood did one really, really smart thing in their implementation of UIFlood. In addition to ID and NoID they support a third version "First". It does callsign substitution only if it is the first digi to digi a packet.

Bill

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---

128. [aprssig] Re: "Via" commands

From: "Ev Tupis (W2EV)" <w2ev@arrl.net>
Date: Thu, 04 Jul 2002 07:05:31 -0400
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-88034-2002.07.04-06.44.20--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Hi Terry,

The first line of my e.mail mentioned that the information contained below was full of generalizations and this is one of them...

> >Every APRS station should respond to a RELAY request.

In fact, there are some home-based stations that don't respond to RELAY either...because a while ago there was a version of their software that failed to make that happen automatically. The authors have since changed that, but knowing how slowly we tend to upgrade I'd bet there are plenty of folks out there that are using the old one.

Additionally, 'dumb trackers' (mobile APRS stations that only TX their GPS-locked position without the ability to RX first) can't respond to RELAY either. etc.

However...the vast majority of APRS stations *should* respond to a RELAY request.

As for 9600 baud, there is very little reason to 'migrate' to it. Studies that include all the factors involved, including the ability for a transceiver to T/R and PLL to frequency-lock quickly, as well as the higher power required for the same S/N ratio -- and finally, the generally (there's that word again <smile>) poor 'Bit error rate' of today's amateur transceivers at 9600 baud point to little advantage to 9600 baud APRS...and actually show a significant advantage to 1200 baud APRS along with spending significant effort in cleaning up the existing 1200 baud digipeater network.

This points back to the discussions that erupt from time-to-time about assuring that all digipeaters be capable of supporting the WIDEn-N alias (which only causes minor conflict between opinion staters) and invoking its NOID parameter (which can be a source of significant discussion).

Most APRSers view WIDEn-N as a more efficient use of spectrum than its equivalent WIDE alias when repeated an equal amount. For instance, launching a packet as RELAY,WIDE3-3 is generally viewed as much better than RELAY,WIDE,WIDE,WIDE. Hence, the push to get everyone, everywhere to switch to RELAY,WIDEn-n.

Regards,
Ev Tupis, W2EV
--
BEACONet lets you look at the world in ways never before imagined.
http://go.to/BEACONet

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129. [aprssig] Re: "Via" commands

From: "Gregg G. Wonderly" <gregg@skymaster.c2-tech.com>
Date: Thu, 04 Jul 2002 08:41:24 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: TAPR APRS Special Interest Group <aprssig@lists.tapr.org>
Message-ID: <LYR842-88042-2002.07.04-09.19.12--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

>What about those of us running D700s mobile with the option to digi? Should
>the D700 respond to relay as well (especially in a highly-congested area
>such as Dallas)?

If RELAY was available and people ran 5 watts out, there would be little problems. FM capture effect would keep the mobiles from getting into multiple RELAY digis in congested areas and provide a self policing duplicate controls...

The 50watt mobiles and 100watt home stations are the ones that are making dupes appear everywhere that RELAY is supported...

-----
gregg@cytetech.com (Cyte Technologies Inc)

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130. [aprssig] APRS maps with ArcView

From: Doug Ferrell <kd4moj@kd4moj.org>
Date: Thu, 04 Jul 2002 10:10:34 -0400
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-88049-2002.07.04-09.50.02--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Anyone out in APRSLand using ArcView to generate APRS maps? If so I would like to converse privately with you..........

```
...DOUG
kd4moj
           Tallahassee Florida: Home of the Virtual President
    Where am I?????  ----------->>>>      http://map.findu.com/kd4moj
    http://www.tallahassee-scanner.com  Scanning Tallahassee Florida
  +---------------------------------------------------------------------+
  | Doug Ferrell                                         (850) 575-7119 |
  | kd4moj@kd4moj.org, http://www.kd4moj.org          Fax (850) 575-6577 |
  | Amateur Radio & Television (ATV), APRS              APRS 144.390 Mhz |
 _| 3027.27N / 08420.80W  Tallahassee Florida     131.8 CTCSS 444.400 Mhz |_
```

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131. [aprssig] Re: "Via" commands

From: Bob Bruninga <bruninga@usna.edu>
Date: Thu, 4 Jul 2002 10:22:24 -0400 (EDT)
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: TAPR APRS Special Interest Group <aprssig@lists.tapr.org>,
        aprs <aprssig@tapr.org>
Message-ID: <LYR842-88051-2002.07.04-10.00.24--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

On Thu, 4 Jul 2002, Wes Johnston wrote:

> The kenwood d700 is an exception. It can only "be" one alias at a time. You
> can make it digipeat WIDEs or RELAYs, but not both. 'most all other TNCs
> have the space for 4 or so aliases.

Yes, one alias, but dont use that. Use the UIDIGI command in the D700 and you can have four or more!

But again, DONT use it except for very special applicatiosn. The danger of forgetting that it is on and then saturating a network with unneeded and unwanted repeats is far worse than the added benefit of a roving short-range mobile digipeater.

And once set, It seems to remember its settings even after you remove them. A real sleeping bomb.... <== MORE RESEARCH NEEDED please)

de WB4APR, Bob

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132. [aprssig] RE: APRS WX stations <LYR28867-87932-2002.07.03-11.22.41--ka8spw#comcast.net@lists.tapr.org>

From: Shanon Lee Herron <ka8spw@comcast.net>
Date: Thu, 04 Jul 2002 12:07:43 -0400
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-88064-2002.07.04-11.46.43--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Hello Alan and group,

I want to put up a APRS weather station. I have lots of old weather stuff. An old Heathkit (Davis) 8 bit card with sensors and software. A Kantronics KTU. Tons of packet equipment.

I also am not happy with the quality of the outdoor sensors. From what I have read lately, and that's not a whole lot, a company Texas something-or-other has a nice APRS compatible unit.

I would like to see what you come up with, please keep me in the loop. If nothing else, this message is to show you there are others wishing to work with you and put some time and money into the project.

APRS soon in the mobile. (KPC-3+, Alenco DR-1500, Garmen 50)

Thanks, Shanon KA8SPW

-----Original Message-----
From: bounce-aprssig-28867@lists.tapr.org
[mailto:bounce-aprssig-28867@lists.tapr.org]On Behalf Of Alan Heaberlin
Sent: Wednesday, July 03, 2002 11:45 AM
To: TAPR APRS Special Interest Group
Subject: [aprssig] APRS WX stations

There may be no better use of APRS than for reporting weather observations. Tracking capabilities of the network are of course the primary use of APRS but because of the vagueries of the network sometimes trackers just don't track. Weather on the other hand is stationary and the transmitter, antenna and path can be optimized for the best efficiency.
Several kinds of users have need for weather data which can be described as instantaneous or historical (30 minute old data is historical). Weather forecasters are the top of the weather food chain and every effort should be made to report data which is useful to them. Fire weather, especially in the conditions we face here in California and all over the drought-ridden southwest is another primary use of weather data and again, accurate data is imperative. Outdoor recreation enthusiasts have an abiding need for good weather observations. Recreational pilots and skydivers are always interested in wind at several different altitudes. Nearly anyone that ventures past the couch and the front door needs good weather data.
I have a couple of weather stations in close proximity (10 miles apart) and they almost never report the same data. One being at Mojave, often listed as the windiest place in the US. Having several close-by weather stations helps validate the data though, since sometimes our amateur weather stations are prone to glitches in weather instrumentation, radio/tnc or computer. One of the things I strive for in building APRS WX is bullet-proof reliability. Since the only way to determine which is the best going out there in equipment available I am testing everybody's.
In order to put useful data on the network there are a couple of parameters

that should be observed as closely as possible. Putting your wind sensor in
the clear is helpful. NWS specifications call for the sensor to be 10 meters
above the ground and 300 feet from any obstructions. In a home station this
can be problematic but if you get it up as high as you can the lateral
obstructions will be minimized somewhat. I have a portable station (for
testing and remote observation) that has the wind sensor at 7 feet. It is
amazing how much different it reads from my home station at 33 feet high
only 100 feet away!
Keeping your temp sensor and humidity sensor in a radiation shield (or at
least out of direct sunlight) is helpful in recording accurate temperatures
and dewpoints.
There is getting to be an abundance of good quality, relatively low cost
equipment out there that is being designed for APRS usage. Frankly I haven't
discovered any of them to be of the Mil-Spec quality that I'm looking for,
but by constructing much of my own equipment and using the best off the
shelf stuff I can find, I'm getting close. I'm getting ready to put some
solar-powered weather stations in the desert to support some wildlife
projects (Bighorn sheep water guzzlers) and this will be the test of
reliability of the equipment--weather and radio both.
While it is most useful to have your weather station reporting data where
people are living, working and commuting, high level WX digis are useful to
the forecasters (and weather nuts too). There are some pretty impressive
winds when you get above 5000 feet and we should know about it.
APRS has allowed me to merge my two favorite hobbies into one interesting,
innovative and useful project. Everybody should have a weather station on
their APRS digi.

Alan Heaberlin W6AMH
See my weather at: http://www.findu.com/cgi-bin/wxpage.cgi?w6amh-3

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133. [aprssig] WX Maps

From: Frosty6981@aol.com
Date: Thu, 4 Jul 2002 13:05:38 EDT
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-88065-2002.07.04-12.43.30--lyris.aprssig#tapr.org@lists.tapr.org>
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I have read in the help file on how to overlay a Doppler map on to APRS but I
cannot get it to work, can any one help me?

73, Reid KC0IDI

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134. [aprssig] RE: Questions for WB4APR and the group

From: "Ray McKnight - WB3ABN" <shortsheep@worldnet.att.net>
Date: Thu, 4 Jul 2002 10:45:01 -0700
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: <aprssig@tapr.org>
Message-ID: <LYR842-88072-2002.07.04-13.22.55--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

FWIW - I personally will never spend another penny on Cushcraft. They
have absolutely the worst customer service of any company I've ever
dealt with and their products are not properly supported. Some are just
plain junk, but they refuse to acknowledge customer complaints or
provide support. Don't believe their claims that everything is SS
(stainless steel), isn't true, most is just plated.

They love to take your money, but won't answer the phone or their e-mail
or even certified letters. Replacement parts are criminally expensive
IF you can ever get them to send them to you.

I've since taken down, sold and/or sledgehammered all my Cushcrap antennas. Wouldn't have another if my life depended on it.

73's
Ray - WB3ABN
Kingston, WA

-----Original Message-----
From: bounce-aprssig-29143@lists.tapr.org
[mailto:bounce-aprssig-29143@lists.tapr.org] On Behalf Of Brandon Cole
Sent: Thursday, July 04, 2002 12:20
To: TAPR APRS Special Interest Group
Subject: [aprssig] Questions for WB4APR and the group

I've just joined the group so I'll be doing some reading to catch up, but I
do have a few questions for WB4APR which might be answerable by others.

First, I sent WB4APR a check for APRSData registration over three weeks ago
and have yet to see it cleared. I sent an email to WB4APR@amsat.org but

have not received any response. I'm assuming that you are either very busy
or your amsat.org email might not be getting to you. Either way, its not a
big concern. I just want to make sure it gets there. Concerning
registration, will that particular registration number work if I download
future versions of APRSDOS, Data, and TK?

Second, for WB4APR's and everyone else's information, my APRSData server

(AD5ER) is on for the Amarillo area. I haven't fine-tuned the .POS files
yet (I especially want to configure the voice repeater file, but it will

take some time and research), but I am sending out APRS and FM voice
satellite schedules. Its running just fine on a very old PC hooked up to a
D700, which is temporarily in my house (and not in my truck where it
belongs) until I get a TNC to use with my Icom 207. I don't get very many
queries, but maybe its presence will motivate others to get involved with
APRS and satellites.

Third, I also use APRSTK, and like it very much, but it will not go into

DOZ mode. When I hit F10, it displays the following error:
"Illegal function call in line 0 of module ASTKW at address 052D:4E32 Hit
any key to return to system", and after hitting a key it dies.
Am I the only one that has experienced this?

Fourth, I've been able to send and receive to ISS and PCSat (although PCSat
seems to be weak lately), but I have yet to hit UO-22. I can receive the
occaisional bulletin and a few APRS positions from it, but using the path
of UOSAT5 I can't get any response. I have my APRSTK hooked up to a TH-D7
and a roof-mounted Arrow dual-band J-Pole. Will I require more gain and/or
power to reach UO-22 or am I not configured correctly? Also, what's the

deal with NO-45?

Finally, although its a bit off-topic, has anyone heard anything good or

bad about Cushcraft's dual-band yagi antennas (A27010S or A2706S)? The
bigger model looks like it would be able to out-perform Arrow's dual-band
yagi satellite antenna, but looks can be deceiving, so I want to get a
non-Cushcraft opinion. I'm considering either the Arrow or the Cushcraft
as a satellite antenna mounted on WB4APR's simple antenna rotator system,

and also occaisionally for terrestrial, long-range work (voice and
packet).

Any input on the above questions would be greatly appreciated. Thanks
for
your time, and have a good 4th!

Brandon
AD5ER

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135. [aprssig] Automated DF sensors everywhere

From: Bob Bruninga <bruninga@usna.edu>
Date: Thu, 4 Jul 2002 09:33:14 -0400 (EDT)
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: TAPR APRS Special Interest Group <aprssig@lists.tapr.org>
Message-ID: <LYR842-88041-2002.07.04-09.11.48--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

An Automatic Instantaneous APRS DF network:

On Sun, 30 Jun 2002, Wes Johnston wrote:
> Here's the first draft of the smart beacon for kenwood d700 and basic stamp

Imagine this. If a Jammer or stray signal appears, an APRS station sends out a packet reqquesting signal strength on the indicated frequency. All D700's (with the PIC processor) instantly QSY and take a signal strength reading on the indicated frequency and then report back the signal strength heard.

Since APRS knows where all the D700's are, it instantly gets a signal strength coutour from which the location of the signal is then usually obvious. APRSdos has always had the ability to plot overlaping singal strength contours with brighter colors showing stronger signals. The area of maximum overlap of the brightest colors is where the signal is coming from.

See the plot: http://www.ew.usna.edu/~bruninga/dfing.html

>From Inception in 1992, I always thought 3rd to GPS and WX, that the most important capability of APRS was in turning DFing into a group sport or automated process. We have the graphical display tools and the formats lets use them!

Wes, how quickly can a D700 QSY the BAND-B, take a signal reading, and then get back to the original frequency it was on? My thoughts are that this should be able to be done in a tenth of a second or less and so the user of the radio would hardly notice that his radio was being used by the APRS-Automatic-DFing network?

In fact, one could develop modified PIC code fore any programmable radios and use some of these older radios at home stations to also contribute..

Any other PIC programmers looking for a job?

de WB4APR, Bob

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136. [aprssig] Re: tapr?

From: "Brandon Cole" <brandonacole@yahoo.com>
Date: Thu, 4 Jul 2002 12:56:6

To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-88073-2002.07.04-13.33.58--lyris.aprssig#tapr.org@lists.tapr.org>
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Are you trying to download from the ftp part of the site? I've been unable to dowload anything. As for the http portion, I've been able to get to that just fine.

Brandon
AD5ER

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137. [aprssig] Re: APRS maps with ArcView

From: "Curt Mills, WE7U" <archer@eskimo.com>
Date: Thu, 4 Jul 2002 10:47:58 -0700 (PDT)
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: TAPR APRS Special Interest Group <aprssig@lists.tapr.org>
Message-ID: <LYR842-88075-2002.07.04-14.24.02--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

On Thu, 4 Jul 2002, Doug Ferrell wrote:

> Anyone out in APRSLand using ArcView to generate APRS maps? If so I would like to converse privately with you...........

Other people may be interested, so I'm responding to the list. Feel free to respond privately if you want to discuss it more.

If ArcView can export ESRI Shapefiles, Xastir can read them in. The code still has to be fine-tuned to each individual Shapefile format, but it can be done. If you copy one of the formats that we already have coded up, you're all set. We can currently use some files from NOAA, and Tiger/Line files converted to Shapefiles from one of the ESRI sites (that gives us maps that look a _lot_ like the TigerMap online server).

Xastir runs on Mac OS X, Solaris, FreeBSD, Linux. One guy reportedly has it running under Cygwin on Windows as well.

I can also snag out Garmin waypoints and tracks using a development version of GPSman (not released yet), and write them out as Point and Polyline Shapefiles that can be read in by Xastir.

These are all open-source programs: $0.00

Curt, WE7U. archer@eskimo.com
http://www.eskimo.com/~archer
Lotto: A tax on people who are bad at math. - unknown
Windows: Microsoft's tax on computer illiterates. - WE7U.

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---

138. [aprssig] Re: Automated DF sensors everywhere

From: wes@johnston.net
Date: Thu, 04 Jul 2002 07:03:31 -0700 (PDT)
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: aprssig@tapr.org
Message-ID: <LYR842-88044-2002.07.04-09.41.26--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Bob, I left my stamp at work... so I can't test right away... but i can tell you that the kenwood sends a LIST statement each time it hears a valid aprs packet. The contents of the LIST message include the comment or status text. If the query were placed in the packet in such a way that it appeared in the LIST, then it is simply a matter of making the radio QSY.... I think 10mS is a bit of a stretch, but certainly the time from QSY / measure/ QSY back would be less than 100mS.... this is an awesome thing!!! I have to learn how to compose a message via the serial port and send a packet as a message back.

The basic stamp sx is ideal for this (as would a 16f876 or avr be), as opposed to the stamp 2. The stamp 2 does not have any input buffer, and the SX has a 100 byte scratchpad ram area where serial data can be temporarily stored.

Boy, this is a great idea.... Your aprs station sends out a DF request for 146.52mhz, and every kenwood radio in the area sends back a signal strength reading. The map back at home lights up within 30 seconds. wow.... I worry about collisions, and I worry about flutter if the d700 is travelling down the road.

Wes

Bob Bruninga wrote

>
> An Automatic Instantaneous APRS DF network:
>
> On Sun, 30 Jun 2002, Wes Johnston wrote:
> > Here's the first draft of the smart beacon for kenwood d700 and basic stamp
>
> Imagine this. If a Jammer or stray signal appears, an APRS station sends
> out a packet reqqusting signal strength on the indicated frequency. All
> D700's (with the PIC processor) instantly QSY and take a signal strength
> reading on the indicated frequency and then report back the signal
> strength heard.
>
> Since APRS knows where all the D700's are, it instantly gets a signal
> strength coutour from which the location of the signal is then usually
> obvious. APRSdos has always had the ability to plot overlaping singal
> strength contours with brighter colors showing stronger signals. The area
> of maximum overlap of the brightest colors is where the signal is coming
> from.
>
> See the plot: http://www.ew.usna.edu/~bruninga/dfing.html
>
> From Inception in 1992, I always thought 3rd to GPS and WX, that the most
> important capability of APRS was in turning DFing into a group sport or
> automated process. We have the graphical display tools and the formats
> lets use them!
>
> Wes, how quickly can a D700 QSY the BAND-B, take a signal reading, and
> then get back to the original frequency it was on? My thoughts are that
> this should be able to be done in a tenth of a second or less and so the
> user of the radio would hardly notice that his radio was being used by
> the APRS-Automatic-DFing network?
>
> In fact, one could develop modified PIC code fore any programmable radios
> and use some of these older radios at home stations to also contribute..
>
> Any other PIC programmers looking for a job?
>
> de WB4APR, Bob

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Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

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139. [aprssig] Re: "Via" commands

From: Bob Bruninga <bruninga@usna.edu>
Date: Thu, 4 Jul 2002 10:18:34 -0400 (EDT)
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: TAPR APRS Special Interest Group <aprssig@lists.tapr.org>
Message-ID: <LYR842-88050-2002.07.04-09.56.25--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

On Wed, 3 Jul 2002, tvsjr wrote:

> What about those of us running D700s mobile with the option to digi?
> Should the D700 respond to relay as well (especially in a
> highly-congested area such as Dallas)?

In my opinion, the D700 UIDIGI should remain OFF in all routine operations. But ON (with ONLY RELAY) when specifically needed:

1) If parked on a hill and the area is poorly covered
2) Going to Dayton and on the open road in poor areas
3) At your special event where you ARE the digi (set as needed)

CAUTION!!!!! If you EVER put "WIDE" in the UIDIGI list in your D700, it appears to remain there for ever. Even after you remove it. This is still an unverified report, but it bears more testing. The only way to get rid of it apparently is to resave the list with NONE to overwrite it.

In other words, once you activate your UIdigis be very observant about what your rig does from then on. Mine just seems to keep digipeating at the wierdest times. I havent had time to troubleshoot, but hopefully someone will figure it out. Anyway, leave it OFF unles you have a specific short term need.

> Also, are there any plans to evolve to 9600 baud one of these days, since
> traffic congestion seems to be getting steadily worse?

Wont help much. A 9600 baud stand-alone single packet is hardly any shorter than the 1200 baud very compressed packet format used by the Kenwoods. Thus the savings is not even a factor of 2, yet the RANGE performance is 4 times worse...

THough This area is certainly open for RESEARCH!

de WB4APR@amsat.org, Bob

PCsat WEB page	http://www.ew.usna.edu/~bruninga/pcsat.html
ISS-APRS FAQ:	http://www.ew.usna.edu/~bruninga/iss-faq.html
CUBESAT Designs	http://www.ew.usna.edu/~bruninga/cubesat.html
APRS LIVE pages	http://www.ew.usna.edu/~bruninga/aprs.html
APRS SATELLITES	http://www.ew.usna.edu/~bruninga/astars.html
MIM/Mic-E/Mic-Lite	http://www.toad.net/~wclement/bruninga/mic-lite.html

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140. [aprssig] Great Plains Super Launch reminder

From: "Mark Conner" <n9xtn@cox.net>
Date: Thu, 4 Jul 2002 09:46:52 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-88054-2002.07.04-10.25.29--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

This Saturday, a collection of APRS-equipped balloons will launch from central Kansas for the second annual Great Plains Super Launch (GPSL).

On Friday, a symposium will be held at Kansas State Univ. with several speakers on amateur-balloon-related topics. Saturday morning, as many as 7 balloons will be launched from the Herington Municipal Airport (about 7 miles ENE of Herington, or 70 miles WSW of Topeka.

At least 6 of the balloons will have APRS on them. Most of the APRS activity will be on 144.34 MHz, and I-gate support for this frequency will be provided by WA5RRN in Topeka.

Look for the following callsigns: N9XTN-11, N9XTN-12, W0WR, W5VSI-11, KA0JLF-11, WB8ELK-11, KD4STH-11.

The launch time should be between 1230 and 1430 UTC on Saturday, and the flights will last 2-3 hours. Expected track is to the NW about 10-15 miles.

The GPSL web site is at
http://users.crosspaths.net/~wallio/GPSL2002.html

73 de Mark N9XTN

Mark D. Conner
E-mail: n9xtn@arrl.net
Homepage: http://members.cox.net/mconner1
"Arrogance and stupidity, all in the same package.....how
efficient of you!" - Ambassador Londo Mollari, Babylon 5

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Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

141. [aprssig] Re: "Via" commands

From: David VanHorn <dvanhorn@cedar.net>
Date: Thu, 04 Jul 2002 14:00:31 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: TAPR APRS Special Interest Group <aprssig@lists.tapr.org>,
aprs <aprssig@tapr.org>
Message-ID: <LYR842-88077-2002.07.04-14.39.22--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

```
>
>But again, DONT use it except for very special applicatiosn.  The danger
>of forgetting that it is on and then saturating a network with unneeded
>and unwanted repeats is far worse than the added benefit of a roving
>short-range mobile digipeater.
>
>And once set, It seems to remember its settings even after you remove
>them.  A real sleeping bomb.... <== MORE RESEARCH NEEDED please)
```

We discussed this with the Hamhud, and came up with a simple system that would convert any mobile into a portable wide, IF it was outside a settable range of any other wide, then "demote" itself when it comes into range.

The value in being a wide, as opposed to a relay, is that anyone near the portable wide gets to not only use the mobile's better transmit, but also it's ears.

An interesting side effect, is that if an area's wide is taken out by a storm or whatever, then the local vehicles set themselves up as wides, but NOT excessively. Why this is, is that any individual station will demote iself, once it discovers that there is another wide covering the area. Within a few packets, everything settles down, and you have a working net. When the real wide comes back online, all the mobiles demote themselves again.

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142. [aprssig] Re: "Via" commands

From: "Herb Gerhardt" <hgerhardt@charter.net>
Date: Thu, 4 Jul 2002 07:54:36 -0700
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-88056-2002.07.04-10.32.52--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Here in the Pacific North West, we encourage D700 owners to leave their digipeating capability shut off!

It would just add to the bandwidth and NORMALLY add nothing to our NW APRS system. However, there are times when you might want to activate your D700 digi capability. This could be utilized in a SAR (Search and Rescue) operation or a special event like a bicycle race, where you are in a remote area and are not able to hit any of the normal digi's. This was the main reason why I "had to have" a D700. Of course I have had no regrets in purchasing one. I can park my truck on a high point in the search area and help the low power hand held trackers make it back to base camp.

The other time that I can think of turning digi on is when I am hiking or backpacking in a remote mountainous area with my D7A where I can not hit our APRS network. By having my own portable digi at the trail head, I have a good opportunity to make it out to the rest of the world. I do use APRS to let my wife know where I am and how I am doing. Great tool for communication when voice repeaters are not in range!

Herb, KB7UVC
NW APRS Group, West Sound Coordinator
Our WEB Site: www.nwaprs.org

```
> -----Original Message-----
>> Subject: [aprssig] Re: "Via" commands
>
>
>
> >What about those of us running D700s mobile with the option to
```

> digi? Should
> >the D700 respond to relay as well (especially in a highly-congested area
> >such as Dallas)?
>
> If RELAY was available and people ran 5 watts out, there would be little
> problems. FM capture effect would keep the mobiles from getting
> into multiple
> RELAY digis in congested areas and provide a self policing duplicate
> controls...
>
> The 50watt mobiles and 100watt home stations are the ones that are making
> dupes appear everywhere that RELAY is supported...
>

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143. [aprssig] Re: Automated DF sensors everywhere (fwd)

From: Bob Bruninga <bruninga@usna.edu>
Date: Thu, 4 Jul 2002 15:27:32 -0400 (EDT)
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-88080-2002.07.04-15.05.24--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

I was thinking of a MESSAGE format. Does that come out the serial port?
Then it can respond to either a group command or a directed individual
command...

bob

On Thu, 4 Jul 2002 wes@johnston.net wrote:

> Bob, I left my stamp at work... so I can't test right away... but i can
> tell you that the kenwood sends a LIST statement each time it hears a
> valid aprs packet. The contents of the LIST message include the comment
> or status text. If the query were placed in the packet in such a way
> that it appeared in the LIST, then it is simply a matter of making the
> radio QSY.... I think 10mS is a bit of a stretch, but certainly the time
> from QSY / measure/ QSY back would be less than 100mS.... this is an
> awesome thing!!! I have to learn how to compose a message via the
> serial port and send a packet as a message back.
>
> Boy, this is a great idea.... Your aprs station sends out a DF request
> for 146.52mhz, and every kenwood radio in the area sends back a signal
> strength reading. The map back at home lights up within 30 seconds.
> wow.... I worry about collisions, and I worry about flutter if the d700
> is travelling down the road.
>
> Wes
>
> Bob Bruninga wrote
>
> >
> > An Automatic Instantaneous APRS DF network:
> >
> > Imagine this. If a Jammer or stray signal appears, an APRS station
> > sends out a packet reqquesting signal strength on the indicated
> > frequency. All D700's (with the PIC processor) instantly QSY and take
> > a signal strength reading on the indicated frequency and then report
> > back the signal strength heard.
> >
> > Since APRS knows where all the D700's are, it instantly gets a signal
> > strength coutour from which the location of the signal is then usually
> > obvious. APRSdos has always had the ability to plot overlaping singal
> > strength contours with brighter colors showing stronger signals. The area
> > of maximum overlap of the brightest colors is where the signal is coming
> > from.
> >
> > See the plot: http://www.ew.usna.edu/~bruninga/dfing.html
> >
> > de WB4APR, Bob

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Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

144. [aprssig] Re: "Via" commands

From: Ralph Milnes <milnes1@rcn.com>
Date: Thu, 04 Jul 2002 15:34:15 -0400
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-88082-2002.07.04-15.18.24--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Wait a minute .. I'm confused about paths.

Assuming a packet is addressed to APRS VIA RELAY, WIDE.

I have been told by a very knowledge person on this SIG that if a WIDE digi hears that packet -- EVEN IF A "RELAY" DIDN'T RELAY IT -- it will still digi the packet because it sees its alias (WIDE) in the address. In other words, if a WIDE hears the packet direct from the sending station, it will digi it -- it doesn't need to hear the packet from the RELAY.

I think I've seen replies to the SIG saying a WIDE won't act on the packet without a RELAY* sending it. Anyone know for sure?

73 and Happy 4th!

Ralph KC2RLM

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Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

145. [aprssig] Re: "Via" commands

From: Earl Needham <needhame@yucca.net>
Date: Thu, 04 Jul 2002 13:46:59 -0600
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-88084-2002.07.04-15.25.15--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

At 03:34 PM 7/4/2002 -0400, Ralph Milnes wrote:

>Wait a minute .. I'm confused about paths.
>
>Assuming a packet is addressed to APRS VIA RELAY, WIDE.
>
>I have been told by a very knowledge person on this SIG that if a WIDE digi hears that packet -- EVEN IF A "RELAY" DIDN'T RELAY IT -- it will still digi the packet because it sees its alias (WIDE) in the address. In other words, if a WIDE hears the packet direct from the sending station, it will digi it -- it doesn't need to hear the packet from the RELAY.
>
>I think I've seen replies to the SIG saying a WIDE won't act on the packet without a RELAY* sending it. Anyone know for sure?

A digi with WIDE as an alias, or with WIDE set up in UIDIGI, will NOT respond to a packet with a path of RELAY,WIDE unless the RELAY has already been "expended".

In other words, you were told incorrectly.

There is software "in the works" that will allow this to work -- I believe it's called "pre-emptive digipeating", but it isn't out yet. Or, at least, it isn't in general use anywhere.

7 3
Earl

Earl Needham, KD5XB, Clovis, New Mexico DM84jk
KD5XB-2>APW251,PCSAT-1*:=3425.83N/10313.55W-PHG7150/WinAPRS 2.5.1
-EARL_CLOVIS -251-<630>
Did you get a letter from Nigeria offering a "deal"? See
http://home.rica.net/alphae/419coal/ and
http://www.crimes-of-persuasion.com/Crimes/Business/nigerian.htm

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146. [aprssig] Re: "Via" commands

```
From: David VanHorn <dvanhorn@cedar.net>
Date: Thu, 04 Jul 2002 14:56:00 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-88087-2002.07.04-15.33.48--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain
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At 03:34 PM 7/4/2002 -0400, Ralph Milnes wrote:
>Wait a minute .. I'm confused about paths.
>
>Assuming a packet is addressed to APRS VIA RELAY, WIDE.
>
>I have been told by a very knowledge person on this SIG that if a WIDE
>digi hears that packet -- EVEN IF A "RELAY" DIDN'T RELAY IT -- it will
>still digi the packet because it sees its alias (WIDE) in the address.

Definitely not true.
I had my path in my HT set to KC6ETE-9,Wide,Wide3-3
When I beacon, ETE-9, and ETE-3 (local wide, KPC-3 WRT digi) both digi me.

Then I changed my first path element to KC6ETE-8, which does not exist.
So the path is now KC6ETE-8,WIDE,WIDE3-3
Now nobody digis me.


>  In other words, if a WIDE hears the packet direct from the sending
> station, it will digi it -- it doesn't need to hear the packet from the RELAY.

With my front path element set to RELAY, I get digi'd by ETE-3, because
it's a Relay, Wide, Trace digi.  Some are, some aren't.

>I think I've seen replies to the SIG saying a WIDE won't act on the packet
>without a RELAY* sending it. Anyone know for sure?

Definitely not true.


---
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147. [aprssig] Re: "Via" commands

```
From: David VanHorn <dvanhorn@cedar.net>
Date: Thu, 04 Jul 2002 14:59:21 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-88088-2002.07.04-15.37.28--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain
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```
>
>         A digi with WIDE as an alias, or with WIDE set up in UIDIGI, will
> NOT respond to a packet with a path of RELAY,WIDE unless the RELAY has
> already been "expended".

Unless it's a KPC-3 set up as a relay, wide, trace digi.
AFAIK, everything in the TAWG area is set up this way.

KC6ETE-3 will definitely digi on Relay, Wide, WideN-N, Trace, or TraceN-N



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148. [aprssig] Re: "Via" commands

```
From: Roger Grady <k9opo@comteck.com>
Date: Thu, 04 Jul 2002 15:03:57 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-88089-2002.07.04-15.38.43--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain
```

```
At 03:34 PM 7/4/02 -0400, Ralph Milnes wrote:
>Wait a minute .. I'm confused about paths.
>
```

>Assuming a packet is addressed to APRS VIA RELAY, WIDE.
>
>I have been told by a very knowledge person on this SIG that if a WIDE digi
>hears that packet -- EVEN IF A "RELAY" DIDN'T RELAY IT -- it will still
>digi the packet because it sees its alias (WIDE) in the address. In other
>words, if a WIDE hears the packet direct from the sending station, it will
>digi it -- it doesn't need to hear the packet from the RELAY.
>
>I think I've seen replies to the SIG saying a WIDE won't act on the packet
>without a RELAY* sending it. Anyone know for sure?

If you send a packet via RELAY,WIDE it must be relayed first by a station with an alias of RELAY or it won't be relayed at all. That station may also respond to WIDE and other alias's but the RELAY must be used first. Once it has been transmitted by a RELAY, then RELAY is ignored by any station that receives the packet later and only the WIDE is active.

Each time any station digi's a packet a flag bit is set on the alias that it responded to (signified by the '*' after the call/alias) and the next call/alias in the path becomes the active one. All entries in the unproto path except the active one are ignored. Multiple digis in an area can cause the same packet to be flying around with different active unproto path entries. This is what causes dupes, a certain amount of which is beneficial to ensuring a packet gets out.

Roger Grady K9OPO

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Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

149. [aprssig] Re: "Via" commands

From: Bill Vodall - WA7NWP <wa7nwp@yahoo.com>
Date: Thu, 04 Jul 2002 13:02:46 -0700
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-88090-2002.07.04-15.41.02--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

At 03:34 PM 7/4/02 -0400, Ralph Milnes wrote:
>Wait a minute .. I'm confused about paths.
>
>Assuming a packet is addressed to APRS VIA RELAY, WIDE.
>
>I have been told by a very knowledge person on this SIG that if a WIDE digi hears that packet -- EVEN IF A "RELAY" DIDN'T RELAY IT -- it will still digi the packet because it sees its alias (WIDE) in the address. In other words, if a WIDE hears the packet direct from the sending station, it will digi it -- it doesn't need to hear the packet from the RELAY.

No. That's called Pre-emptive digipeating.   Normally the digi's must be in order. First the RELAY, then the WIDE.   In Pre-emptive digipeating, one path entry preempts the earlier ones.

Only Digi_ned, and the very latestest UIDIGI, can be configured to do this.

Bill, WA7NWP

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To unsubscribe send a blank email to leave-aprssig-842K@lists.tapr.org
Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

150. [aprssig] Finally leaving

From: Earl Needham <needhame@yucca.net>
Date: Thu, 04 Jul 2002 14:06:55 -0600
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-88092-2002.07.04-15.47.07--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Well, as I posted on June 26th, I'm leaving the list. So long everybody!

7 3
Earl

Earl Needham, KD5XB, Clovis, New Mexico DM84jk
KD5XB-2>APW251,PCSAT-1*:=3425.83N/10313.55W-PHG7150/WinAPRS 2.5.1
-EARL_CLOVIS -251-<630>

Did you get a letter from Nigeria offering a "deal"? See
http://home.rica.net/alphae/419coal/ and
http://www.crimes-of-persuasion.com/Crimes/Business/nigerian.htm

---
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---

151. [aprssig] Re: "Via" commands

From: Bill Vodall - WA7NWP <wa7nwp@yahoo.com>
Date: Thu, 04 Jul 2002 13:09:16 -0700
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-88093-2002.07.04-15.49.09--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

>
> > Also, are there any plans to evolve to 9600 baud one of these days, since
> > traffic congestion seems to be getting steadily worse?
>
\>Wont help much. A 9600 baud stand-alone single packet is hardly any
\>shorter than the 1200 baud very compressed packet format used by the
\>Kenwoods. Thus the savings is not even a factor of 2, yet the RANGE
\>performance is 4 times worse...
>
\>THough This area is certainly open for RESEARCH!
>
\>de WB4APR@amsat.org, Bob

That has nothing to do with 1200 vs 9600 - it's the hardware being used. Good
9600 baud radios can run with Transmit delays in the range of 50 milliseconds
or less.   Typical 1200 baud radios should work well in the 300 to 350 millisecond
range.   Thus the 8 to 1 speed improvement of 9600 to 1200 is maintained.

On the other hand, setting up a 9600 baud system is significantly more effort
then 1200 so it can be argued that low throughput applications like basic APRS
would not be worth the effort.

73,
Bill - WA7NWP

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---

152. [aprssig] Re: "Via" commands

From: Roger Grady <k9opo@comteck.com>
Date: Thu, 04 Jul 2002 15:11:57 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-88094-2002.07.04-15.49.37--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

At 02:56 PM 7/4/02 -0500, David VanHorn wrote:
\>At 03:34 PM 7/4/2002 -0400, Ralph Milnes wrote:
>
>>I think I've seen replies to the SIG saying a WIDE won't act on the packet
\>>without a RELAY* sending it. Anyone know for sure?
>
\>Definitely not true.

Yes it is true. Dave, you're thinking about the way it is around here - all
WIDE digis respond to RELAY. In S. CA, that's apparently not true.

The bottom line is SOMETHING must respond to the RELAY first. It may be a
home station, it may be a digi that's also a WIDE, but the RELAY is first.
Until it's used anything after it is ignored like it wasn't there. At
least, as Earl said, that's the way it is until smarter digi software appears.

Roger Grady K9OPO

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153. [aprssig] How my UIGI's are there.

From: Dave Kaplan <dkaplan@steffeninc.com>
Date: Thu, 04 Jul 2002 15:09:45 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-88095-2002.07.04-15.52.05--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

```
I was asked how many digi's are running UIDIGI.

Since we know that UIDIGI 1.7 using the TOCALL of       APZ17
                and   UIDIGI 1.8 uses either            APZ18
or the just assigned                                    APNU18

is there an easy way to tell using FINDU or one of the other parsing programs?


Dave
WB0WNX



---
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```

154. [aprssig] Re: "Via" commands

From: John Kraus <jfkraus3@cox.net>
Date: Thu, 04 Jul 2002 16:38:35 -0400
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-88098-2002.07.04-16.16.09--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

```
>Only Digi_ned, and the very latestest UIDIGI, can be configured to do this.

>Bill, WA7NWP

And Digi_Ned does it very well.

Digi_Ned can also function as a smart RELAY in an area that has RELAY
turned off.




---
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```

155. [aprssig] Re: "Via" commands

From: David VanHorn <dvanhorn@cedar.net>
Date: Thu, 04 Jul 2002 15:39:24 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-88099-2002.07.04-16.17.19--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

```
At 03:11 PM 7/4/2002 -0500, Roger Grady wrote:
>At 02:56 PM 7/4/02 -0500, David VanHorn wrote:
> >At 03:34 PM 7/4/2002 -0400, Ralph Milnes wrote:
> >
> >>I think I've seen replies to the SIG saying a WIDE won't act on the packet
> >>without a RELAY* sending it. Anyone know for sure?
> >
> >Definitely not true.
>
>Yes it is true. Dave, you're thinking about the way it is around here -
>all WIDE digis respond to RELAY. In S. CA, that's apparently not true.

I did make the point that the digi that I'm testing against is an WRT digi,
and that some are not.
However, it IS true that a WIDE will not respond to a packet with a path of
RELAY,WIDE.  An WRT WIDE however, will.


>The bottom line is SOMETHING must respond to the RELAY first.

Absolutely.


---
```

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156. [aprssig] Dallas 1-Wire & K0RX station

From: "G. Beat \(W9GB\)" <gregory.beat@attbi.com>
Date: Thu, 4 Jul 2002 15:46:25 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-88100-2002.07.04-16.24.17--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

K0RX (Mt. Vernon, IA) has a nice MicroWeather system
http://www.qth.com/RXcomm/

This systems supports the Dallas Semiconductor 1-Wire station, which is now
produced by TAI, a Mexican
Information Technology company. TAI has been an OEM developer for Dallas
1-Button solutions for 10 years. Their headquarters is in Querétaro City
(Mexico), and the company offers hardware and software products based on
Dallas Semiconductor's iButton® technology.

http://www.aag.com.mx/weather.html

The units are still $ 79 USD and secure orders can be placed on their web
site.

Automatización Aplicada a Gasolineras S.A. de C.V.
Pino Suárez # 271 G Col.Niños Héroes
Querétaro, Querétaro
76010 México
Tel/Fax +52(442) 215-3166 / +52(442)215-3336
E-mail: infoaag@aag.com.mx

With the Web-addressable components of the 1-Wire® technology, this
instrument kit allows, a very economical way, to measure temperature, wind
speed and wind direction, by the way of only one wire (plus ground) , with
only the power supplied by the RS232 serial port of the PC
----
73 de w9gb

> -----Original Message-----

> Sent: Thursday, July 04, 2002 09:08
> To: TAPR APRS Special Interest Group
> Subject: [aprssig] RE: APRS WX stations
> <LYR28867-87932-2002.07.03-11.22.41--ka8spw#comcast.net@lists.tapr.org>
>
> Hello Alan and group,
>
> I want to put up a APRS weather station. I have lots of old weather
> stuff. An old Heathkit (Davis) 8 bit card with sensors and software. A
> Kantronics KTU. Tons of packet equipment.
>
> I also am not happy with the quality of the outdoor sensors. From
> what I have read lately, and that's not a whole lot, a company Texas
> something-or-other has a nice APRS compatible unit.
>
> Thanks, Shanon KA8SPW
>
> -----Original Message-----
> From: bounce-aprssig-28867@lists.tapr.org
> [mailto:bounce-aprssig-28867@lists.tapr.org]On Behalf Of Alan Heaberlin
> Sent: Wednesday, July 03, 2002 11:45 AM
> To: TAPR APRS Special Interest Group
> Subject: [aprssig] APRS WX stations
>
> There may be no better use of APRS than for reporting weather
> observations.
> Tracking capabilities of the network are of course the primary use of
> APRS
> but because of the vagueries of the network sometimes trackers just
> don't
> track. Weather on the other hand is stationary and the transmitter,
> antenna
> and path can be optimized for the best efficiency.

```
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```

157. [aprssig] Welcome, Newcomers! [Fwd: Re: "Via" commands]

```
From: "Ev Tupis (W2EV)" <w2ev@arrl.net>
Date: Thu, 04 Jul 2002 17:10:39 -0400
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-88102-2002.07.04-16.49.32--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain
```

```
>> Definitely not true.

> Yes it is true.

<<<<giggling>>>>

Ev, W2EV


---
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158. [aprssig] Re: Welcome, Newcomers! [Re: "Via" commands]

```
From: David VanHorn <dvanhorn@cedar.net>
Date: Thu, 04 Jul 2002 16:29:20 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-88104-2002.07.04-17.07.08--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain
```

```
At 05:10 PM 7/4/2002 -0400, Ev Tupis (W2EV) wrote:

> >> Definitely not true.
>
> > Yes it is true.
>
><<<<giggling>>>>
>
>Ev, W2EV

Well. The facts remain.

A plain old "WIDE" digi will not respond to "RELAY". They still exist.

The more modern, Wide, Relay, Trace (Or WRT digis) will respond to Wide,
WideN-N, Relay, Trace, or TraceN-N.


It's in keeping with the general aprs philosophy that one sort of settings
should work everywhere, except where it dosen't.

:)


---
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```

159. [aprssig] tapr?

```
From: "w8krr" <w8krr@msn.com>
Date: Thu, 4 Jul 2002 13:23:45 -0400
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-88070-2002.07.04-13.02.35--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain
```

```
Is tapr.org down for the holiday?
Mike

---
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```

160. [aprssig] Questions for WB4APR and the group

From: "Brandon Cole" <brandonacole@yahoo.com>
Date: Thu, 4 Jul 2002 12:19:51
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-88068-2002.07.04-12.57.42--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

I've just joined the group so I'll be doing some reading to catch up, but I do have a few questions for WB4APR which might be answerable by others.

First, I sent WB4APR a check for APRSData registration over three weeks ago and have yet to see it cleared. I sent an email to WB4APR@amsat.org but have not received any response. I'm assuming that you are either very busy or your amsat.org email might not be getting to you. Either way, its not a big concern. I just want to make sure it gets there. Concerning registration, will that particular registration number work if I download future versions of APRSDOS, Data, and TK?

Second, for WB4APR's and everyone else's information, my APRSData server (AD5ER) is on for the Amarillo area. I haven't fine-tuned the .POS files yet (I especially want to configure the voice repeater file, but it will take some time and research), but I am sending out APRS and FM voice satellite schedules. Its running just fine on a very old PC hooked up to a D700, which is temporarily in my house (and not in my truck where it belongs) until I get a TNC to use with my Icom 207. I don't get very many queries, but maybe its presence will motivate others to get involved with APRS and satellites.

Third, I also use APRSTK, and like it very much, but it will not go into DOZ mode. When I hit F10, it displays the following error:
"Illegal function call in line 0 of module ASTKW at address 052D:4E32   Hit any key to return to system", and after hitting a key it dies.
Am I the only one that has experienced this?

Fourth, I've been able to send and receive to ISS and PCSat (although PCSat seems to be weak lately), but I have yet to hit UO-22. I can receive the occaisional bulletin and a few APRS positions from it, but using the path of UOSAT5 I can't get any response. I have my APRSTK hooked up to a TH-D7 and a roof-mounted Arrow dual-band J-Pole. Will I require more gain and/or power to reach UO-22 or am I not configured correctly? Also, what's the deal with NO-45?

Finally, although its a bit off-topic, has anyone heard anything good or bad about Cushcraft's dual-band yagi antennas (A27010S or A2706S)? The bigger model looks like it would be able to out-perform Arrow's dual-band yagi satellite antenna, but looks can be deceiving, so I want to get a non-Cushcraft opinion. I'm considering either the Arrow or the Cushcraft as a satellite antenna mounted on WB4APR's simple antenna rotator system, and also occaisionally for terrestrial, long-range work (voice and packet).

Any input on the above questions would be greatly appreciated. Thanks for your time, and have a good 4th!

Brandon
AD5ER

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161. [aprssig] RE: APRS WX stations <LYR28867-87932-2002.07.03-11.22.41--ka8spw#comcast.net@lists.tapr.org>

From: "Ray McKnight - WB3ABN" <shortsheep@worldnet.att.net>
Date: Thu, 4 Jul 2002 10:34:55 -0700
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: <aprssig@tapr.org>
Message-ID: <LYR842-88071-2002.07.04-13.12.49--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Take a look at K0RX's MicroWeather
http://www.qth.com/RXcomm/

The "Texas-something-or-other" is Dallas Semiconductor, which no longer produces the 1-Wire system, but it's now available from a company in France I believe. But MicroWeather utilizes the Dallas sensors.

73's
Ray - WB3ABN

Kingston, WA

-----Original Message-----
From: bounce-aprssig-29143@lists.tapr.org
[mailto:bounce-aprssig-29143@lists.tapr.org] On Behalf Of Shanon Lee
Herron
Sent: Thursday, July 04, 2002 09:08
To: TAPR APRS Special Interest Group
Subject: [aprssig] RE: APRS WX stations
<LYR28867-87932-2002.07.03-11.22.41--ka8spw#comcast.net@lists.tapr.org>

Hello Alan and group,

I want to put up a APRS weather station. I have lots of old weather stuff. An old Heathkit (Davis) 8 bit card with sensors and software. A Kantronics KTU. Tons of packet equipment.

I also am not happy with the quality of the outdoor sensors. From what I
have read lately, and that's not a whole lot, a company Texas something-or-other has a nice APRS compatible unit.

I would like to see what you come up with, please keep me in the loop. If
nothing else, this message is to show you there are others wishing to work
with you and put some time and money into the project.

APRS soon in the mobile. (KPC-3+, Alenco DR-1500, Garmen 50)

Thanks, Shanon KA8SPW

-----Original Message-----
From: bounce-aprssig-28867@lists.tapr.org
[mailto:bounce-aprssig-28867@lists.tapr.org]On Behalf Of Alan Heaberlin
Sent: Wednesday, July 03, 2002 11:45 AM
To: TAPR APRS Special Interest Group
Subject: [aprssig] APRS WX stations

There may be no better use of APRS than for reporting weather observations.
Tracking capabilities of the network are of course the primary use of APRS
but because of the vagueries of the network sometimes trackers just don't
track. Weather on the other hand is stationary and the transmitter, antenna
and path can be optimized for the best efficiency.
Several kinds of users have need for weather data which can be described as
instantaneous or historical (30 minute old data is historical). Weather forecasters are the top of the weather food chain and every effort should be
made to report data which is useful to them. Fire weather, especially in the
conditions we face here in California and all over the drought-ridden southwest is another primary use of weather data and again, accurate data is
imperative. Outdoor recreation enthusiasts have an abiding need for good weather observations. Recreational pilots and skydivers are always interested in wind at several different altitudes. Nearly anyone that ventures past the couch and the front door needs good weather data.
I have a couple of weather stations in close proximity (10 miles apart) and
they almost never report the same data. One being at Mojave, often listed as
the windiest place in the US. Having several close-by weather stations helps
validate the data though, since sometimes our amateur weather stations are
prone to glitches in weather instrumentation, radio/tnc or computer. One of
the things I strive for in building APRS WX is bullet-proof reliability.
Since the only way to determine which is the best going out there in equipment available I am testing everybody's.
In order to put useful data on the network there are a couple of parameters
that should be observed as closely as possible. Putting your wind sensor

in
the clear is helpful. NWS specifications call for the sensor to be 10
meters
above the ground and 300 feet from any obstructions. In a home station
this
can be problematic but if you get it up as high as you can the lateral
obstructions will be minimized somewhat. I have a portable station (for
testing and remote observation) that has the wind sensor at 7 feet. It
is
amazing how much different it reads from my home station at 33 feet high
only 100 feet away!
Keeping your temp sensor and humidity sensor in a radiation shield (or
at
least out of direct sunlight) is helpful in recording accurate
temperatures
and dewpoints.
There is getting to be an abundance of good quality, relatively low cost
equipment out there that is being designed for APRS usage. Frankly I
haven't
discovered any of them to be of the Mil-Spec quality that I'm looking
for,
but by constructing much of my own equipment and using the best off the
shelf stuff I can find, I'm getting close. I'm getting ready to put some
solar-powered weather stations in the desert to support some wildlife
projects (Bighorn sheep water guzzlers) and this will be the test of
reliability of the equipment--weather and radio both.
While it is most useful to have your weather station reporting data
where
people are living, working and commuting, high level WX digis are useful
to
the forecasters (and weather nuts too). There are some pretty impressive
winds when you get above 5000 feet and we should know about it.
APRS has allowed me to merge my two favorite hobbies into one
interesting,
innovative and useful project. Everybody should have a weather station
on
their APRS digi.

Alan Heaberlin W6AMH
See my weather at: http://www.findu.com/cgi-bin/wxpage.cgi?w6amh-3

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162. [aprssig] Re: combining a digi and a weather station

From: "Brian B. Riley \(N1BQ\) ListAcct" <n1bq_list@wulfden.org>
Date: Thu, 4 Jul 2002 20:44:13 -0400
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-88108-2002.07.04-20.22.11--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

well let me see, N1BQ-3 is most definitely a high-wide digi at nearly 1600
feet amsl and 10-1100' HAAT. Its near the top of a small mountain adjacent
to a lot bigger mountain and you better believe the weather people are
interested in the weather conditons here as are the 14 other people who live
on this road within 1 mile of the digi and who ping Findu for weather here
when they are away from home.

-----Original Message-----
From: bounce-aprssig-25883@lists.tapr.org
[mailto:bounce-aprssig-25883@lists.tapr.org]On Behalf Of WA8LMF2@aol.com
Sent: Tuesday, July 02, 2002 2:42 PM

To: TAPR APRS Special Interest Group
Subject: [aprssig] Re: combining a digi and a weather station

In a message dated 7/2/02 6:43:03 AM Pacific Daylight Time,
shorzepa@c-cor.net writes:

> Tell me why I should not interface a weather station to a high profile
APRS
> digipeater.
>
> Stan "flirting with disaster" Horzepa, WA1LOU
>

1) It'll fill up D700 message memories causing people to gripe

2) Assuming the "high-profile" digi is on a mountaintop: Is anyone (except skiers maybe) interested in the WX at the top of the mountain instead of the areas below?

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163. [aprssig] check this out!!

From: "Spider" <spider@rivcom.net>
Date: Thu, 4 Jul 2002 17:49:41 -0700
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-88109-2002.07.04-20.27.51--lyris.aprssig#tapr.org@lists.tapr.org>
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http://www.projectx.com/

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Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

164. [aprssig] Re: APRS and Boy Scouts

From: Greg Jurrens <greg@jurrens.net>
Date: Thu, 4 Jul 2002 20:39:57 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: aprssig@lists.tapr.org
Message-ID: <LYR842-88111-2002.07.04-21.17.55--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Let me throw in another one:

My 15yr old son Phillip, KD5EDI, will be running KD5EDI-7 as 22 of our scouts head from Austin to Cimmaron, NM for a trek at Philmont Scout Ranch. They'll leave out on Tuesday 7/9. Too bad I can't get him to carry a GPS/VHF HT and TTII on the trail... Ounces turn to Pounds, and Pounds turn to PAIN! I don't blame him.

73,
Greg WD0ACD
ASPL Troop 441
Austin, TX

On Thu, 4 Jul 2002 00:26:01 EDT
Frosty6981@aol.com wrote:

> My troop will be heading to Colorado on Friday, July 5th, to go backpacking.
> I will be running APRS under the call of KC0IDI-2 on the way out there and on
> the way back. For those who would like to track us you are more than welcome
> and if you are able to see us send a message or drop me an Email. Hope to
> see you on the map.
>
> 73, Reid KCØIDI
> ASPL Troop 59
> Lawrence, KS
>
> ---

```
> You are currently subscribed to aprssig as: greg@jurrens.net
> To unsubscribe send a blank email to leave-aprssig-842K@lists.tapr.org
> Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org
>
>



--
Greg Jurrens - WD0ACD

---
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```

165. [aprssig] Re: tapr?

From: Robbie <mwrobertson@attbi.com>
Date: Thu, 04 Jul 2002 21:28:46 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: TAPR APRS Special Interest Group <aprssig@lists.tapr.org>
Message-ID: <LYR842-88113-2002.07.04-22.06.16--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

```
Not last night as I downloaded and browsed a little..

Robbie,  wa9inf

w8krr wrote:
>
> Is tapr.org down for the holiday?
> Mike
>
> ---
> You are currently subscribed to aprssig as: mwrobertson@attbi.com
> To unsubscribe send a blank email to leave-aprssig-842K@lists.tapr.org
> Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

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```

166. [aprssig] Re: combining a digi and a weather station

From: Doug McFadden <kc7imr@orednet.org>
Date: Thu, 4 Jul 2002 19:47:59 -0700 (PDT)
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-88114-2002.07.04-22.38.44--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

```
On Tue, 2 Jul 2002, Ray McKnight - WB3ABN wrote:

>
> I think you might be confusing station siting guidelines with reporting
> protocols.  We report to NWS.  NWS expects us to be using FMH-1.  FMH-1
> is a subset of WMO.  If you don't follow that as closely as the hardware
> and software will permit, then you shouldn't be participating in the
> Citizens Weather or APRS Weather program.  If you interject an odd
> protocol into a standardized system, you MUST make the others aware of
> what protocol you're following for the data to be useful.  Otherwise,
> it's likely to just be rejected.
>
>
>
>
Where can one view these station siting guidelines and reporting
protocols?

By reporting protocols, are you talking about the data format, speed etc.
the Peet, Davis, RS or Ohio units output?

What is FMH-1?  WMO?

Doug/KC7IMR

Trying to establish voice contact ... please yell into your keyboard.
-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-


---
```

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167. [aprssig] Re: Automated DF sensors everywhere (fwd)

From: Dick Reichenbach <dreichen@columbus.rr.com>
Date: Thu, 04 Jul 2002 23:29:59 -0400
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-88117-2002.07.04-23.06.28--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Interesting thought.

I can contribute a couple of small things to this.

First of all, my PCR-1000 scanner reaction tunes nicly and using the computer software could switch to any freq get a S report off the fox or rabbit, and then the software can feed that information directly into the AX.25 port. In fact any computer that has both an APRS station and a computer controlled scanner should be able to contribute automaticly to the DF request. OR how about this, Assuming I'm still interested in APRN, APRS transmits a message stating that it is ready to TX a SSTV picture on xxx.xx freq. The scanner switches over to that freq and processes the picture via it's own software, and then uses the AX.25 port to send a message back to station saying "Picture Received by APRN station KC8OBZ". Then the scanner is free for other uses.

Secondly, what about using the laptop (or PALM) running APRS program to decode the native output of the D700 while the D700 is running in APRS mode. That way you can decode the incoming packets and display on your map, trigger the D700 to send the smartbeaconing packets, and this would still allow you to control the B Band of the radio via your APRS program, all while allowing the D700 to do the gruntwork of transmitting routine traffic. I would love to ask Mike Musick for this feature, I could eliminate both the D700 head and replace it with a full color map at the same time. But I don't know what kind of responce I would get. Hint, Hint.

Bob Bruninga wrote:

> > Boy, this is a great idea.... Your aprs station sends out a DF request
> > for 146.52mhz, and every kenwood radio in the area sends back a signal
> > strength reading. The map back at home lights up within 30 seconds.
> > wow.... I worry about collisions, and I worry about flutter if the d700
> > is travelling down the road.
> >
> > Wes
> >
> > Bob Bruninga wrote
> >
> > >
> > > An Automatic Instantaneous APRS DF network:
> > >
> > > Imagine this. If a Jammer or stray signal appears, an APRS station
> > > sends out a packet reqquesting signal strength on the indicated
> > > frequency. All D700's (with the PIC processor) instantly QSY and take
> > > a signal strength reading on the indicated frequency and then report
> > > back the signal strength heard.
> > >
> > > Since APRS knows where all the D700's are, it instantly gets a signal
> > > strength coutour from which the location of the signal is then usually
> > > obvious. APRSdos has always had the ability to plot overlaping singal
> > > strength contours with brighter colors showing stronger signals. The area
> > > of maximum overlap of the brightest colors is where the signal is coming
> > > from.

Dick R. KC8OBZ

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168. [aprssig] Re: "Via" commands

From: Doug McFadden <kc7imr@orednet.org>
Date: Thu, 4 Jul 2002 20:52:07 -0700 (PDT)
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-88120-2002.07.04-23.38.45--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

On Thu, 4 Jul 2002, David VanHorn wrote:

```
> >
>
> I did make the point that the digi that I'm testing against is an WRT digi,
> and that some are not.
> However, it IS true that a WIDE will not respond to a packet with a path of
> RELAY,WIDE.  An WRT WIDE however, will.
>
>
>
```

What is an WRT digi??? If I might ask?

Doug/KC7IMR

Trying to establish voice contact ... please yell into your keyboard.
-=-

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169. [aprssig] Re: "Via" commands

From: David VanHorn <dvanhorn@cedar.net>
Date: Thu, 04 Jul 2002 23:07:12 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-88121-2002.07.04-23.45.01--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

At 08:52 PM 7/4/2002 -0700, Doug McFadden wrote:

```
>On Thu, 4 Jul 2002, David VanHorn wrote:
>
> > >
> >
> > I did make the point that the digi that I'm testing against is an WRT
> digi,
> > and that some are not.
> > However, it IS true that a WIDE will not respond to a packet with a
> path of
> > RELAY,WIDE.  An WRT WIDE however, will.
> >
> >
> >
>What is an WRT digi???  If I might ask?
```

Wide, Relay, Trace. As opposed to Wide only.

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170. [aprssig] Re: "Via" commands

From: James Smith <k9apr@tawg.org>
Date: Thu, 04 Jul 2002 23:09:24 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: TAPR Sig <aprssig@lists.tapr.org>
Message-ID: <LYR842-88122-2002.07.04-23.48.37--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

WRT = Wide-Relay-Trace this what the digi is capable of doing along with the
widen / tracen protocol stuff..

Doug McFadden wrote:

```
> What is an WRT digi???  If I might ask?
>
> Doug/KC7IMR
>
> Trying to establish voice contact ... please yell into your keyboard.
> -=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-
>
> ---
> You are currently subscribed to aprssig as: k9apr@tawg.org
```

> To unsubscribe send a blank email to leave-aprssig-842K@lists.tapr.org
> Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

--
73, James, K9APR
Chairman\Coordinator
Tri-State APRS Working Group
http://www.tawg.org
mailto:k9apr@tawg.org
Run a APRS Site? Why not join the APRS Webring http://www.tawg.org/join.htm

---
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171. [aprssig] Combining APRS and a weather station - References

From: "G. Beat \(W9GB\)" <gregory.beat@attbi.com>
Date: Thu, 4 Jul 2002 23:18:13 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-88123-2002.07.04-23.56.07--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Let's get some definitions and terms being used, spelled out:

FMH-1 Federal Meteorological Handbook No. 1: Surface Weather Observations
and Reports
December 1995 http://205.156.54.206/oso/oso1/oso12/fmh1.htm

http://www.ofcm.gov/fmh-1/fmh1.htm (Adobe Acrobat)

World Meteorological Organization (WMO), Geneva, Switzerland

WMO-WWW Tech Report 17
Guide to WMO Binary Code Forms (Part 1 deals with BUFR, Part 2 with GRIB).
May 1994
Available online at http://www.wmo.ch/web/www/reports/Guide-binary.html

WMO 306 Manual on Codes
1995

And for a bonus, there is the Weather Observation Markup Format (XML)
http://zowie.metnet.navy.mil/~spawar/JMV-TNG/XML/OMF.html

Useful paper from NOAA:
http://www.wrh.noaa.gov/wrhq/96TAs/TA9631/ta96-31.html

73 de w9gb

----- Original Message -----
From: "Doug McFadden" <kc7imr@orednet.org>
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Sent: Thursday, July 04, 2002 9:47 PM
Subject: [aprssig] Re: combining a digi and a weather station

> On Tue, 2 Jul 2002, Ray McKnight - WB3ABN wrote:
>
> >
> > I think you might be confusing station siting guidelines with reporting
> > protocols. We report to NWS. NWS expects us to be using FMH-1. FMH-1
> > is a subset of WMO. If you don't follow that as closely as the hardware
> > and software will permit, then you shouldn't be participating in the
> > Citizens Weather or APRS Weather program. If you interject an odd
> > protocol into a standardized system, you MUST make the others aware of
> > what protocol you're following for the data to be useful. Otherwise,
> > it's likely to just be rejected.
> >
> >
> >
> >
> Where can one view these station siting guidelines and reporting
> protocols?
>
> By reporting protocols, are you talking about the data format, speed etc.

> the Peet, Davis, RS or Ohio units output?
>
> What is FMH-1? WMO?
>
> Doug/KC7IMR
>
> Trying to establish voice contact ... please yell into your keyboard.
> -=-
>
>
> ---
> You are currently subscribed to aprssig as: gregory.beat@attbi.com
> To unsubscribe send a blank email to leave-aprssig-842K@lists.tapr.org
> Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org
>
>

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---

172. [aprssig] Re: combining a digi and a weather station

From: "Ray McKnight - WB3ABN" <shortsheep@worldnet.att.net>
Date: Thu, 4 Jul 2002 21:53:27 -0700
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: <aprssig@tapr.org>
Message-ID: <LYR842-88130-2002.07.05-00.31.28--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Most NWS documents are publically available online. They are generally not easy to find. I know of no centralized site where all NWS pubs are catalogued. Generally, the office or branch in NWS responsible for each program will maintain their own pubs and post them within their web site. Even when you find the correct office, the link to the pubs may not be obvious. I suggest you become familiar with some NWS sites, and find one that has a search engine within the site, then try looking for the name or number of the document. Because they are internal to NWS, they usually don't return good results from "regular" search engines.

The siting standards are contained in "Federal Standards for Siting Meteorological Sensors at Airports", FCM-S4-1994. It is maintained by the Federal Coordinator for Meteorological Services and Supporting Research (OFCM, NWS), Silver Spring, MD. I'm sure some will dismiss these standards because they are too difficult for hobby installations to achieve, but they are what we should strive for, and knowing that we probably won't get it perfect, use the standards as an example to do the best we can. At least they give us a good reference to understand how our installations might perform compared to a "standard" installation.

The "Bible" for observing and reporting surface weather, including aviation reports (METARS) is the Federal Meteorological Handbook No. 1 (FMH-1), entitled "Surface Weather Observations and Reports", FCM-H1-1995. It is also produced by OFCM. It breaks down each weather element into a separate chapter and discusses how that element should be observed, how the sensor should be sited, and how the element is reported or coded. "Old timers" should pay close attention, since in the early 1990's the US adopted the WMO standard METAR (Aviation Routine Weather Report) format for surface weather reports. For about 40 years prior to adopting the METAR format, the US used the SAO (Surface Aviation Observation) code format, which differs substantially. METAR is now a worldwide standard.

The World Meteorological Organization (WMO) is a worldwide organization that publishes standards for weather observation and reporting. The US is a member and adopts WMO standards, usually in their entirety, but sometimes only partially. Just like the FCC adopts ITU standards and publishes them as 47 CFR Part 97.

By "reporting protocols" I mean the standards published and adopted in the above documents and other WMO standards. There are also "algorithms" that are published by WMO and NWS which define how weather sensors manipulate the raw data they collect to produce values such as average wind speed, gusts, rainfall, etc. For example, a human taking a wind observation would observe the wind for a period of 2 minutes to determine the average direction and speed. An automated station, however, samples the wind at regular intervals, sometimes as often as every second. To produce a meaningful value it must store all the raw measurements during that 2 minute period and produce a result based upon a published algorithm.

The problem with most home stations is that they almost never follow the specification exactly. For instance, most are still using a 1 minute sampling interval for winds, which was a standard used nearly 10 years ago when the US followed the SAO reporting format.

Here's a few links to help get you started:
http://205.156.54.206/asos/index.html
http://205.156.54.206/asos/obs.htm
http://www.ndbc.noaa.gov/measdes.shtml (be careful here as some of these protocols are specific to oceanographic weather buoys)

Also go find the Weather Graphics Technologies web site by Tim Vasquez and download his brief but excellent primer: International Weather Watchers Observer Handbook. I could e-mail it to anyone interested, it's about 750K in PDF format.

If you have trouble locating FMH-1 let me know. I don't seem to have that link stored anywhere within reach.

73's
Ray - WB3ABN
Kingston, WA

-----Original Message-----
From: bounce-aprssig-29143@lists.tapr.org
[mailto:bounce-aprssig-29143@lists.tapr.org] On Behalf Of Doug McFadden
Sent: Thursday, July 04, 2002 19:48
To: TAPR APRS Special Interest Group
Subject: [aprssig] Re: combining a digi and a weather station

On Tue, 2 Jul 2002, Ray McKnight - WB3ABN wrote:

>
> I think you might be confusing station siting guidelines with reporting
> protocols. We report to NWS. NWS expects us to be using FMH-1. FMH-1
> is a subset of WMO. If you don't follow that as closely as the hardware
> and software will permit, then you shouldn't be participating in the
> Citizens Weather or APRS Weather program. If you interject an odd
> protocol into a standardized system, you MUST make the others aware of
> what protocol you're following for the data to be useful. Otherwise,
> it's likely to just be rejected.
>
>
>
>

Where can one view these station siting guidelines and reporting protocols?

By reporting protocols, are you talking about the data format, speed etc.
the Peet, Davis, RS or Ohio units output?

What is FMH-1? WMO?

Doug/KC7IMR

Trying to establish voice contact ... please yell into your keyboard.
-=-
-

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173. [aprssig] Re: "Via" commands

From: "Ronald Reams" <wa4mjf@worldnet.att.net>
Date: Fri, 5 Jul 2002 06:28:43 -0400
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-88142-2002.07.05-06.07.08--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

WRT= WIDE,RELAY,TRACE

73 de Ronnie

----- Original Message -----
From: "Doug McFadden" <kc7imr@orednet.org>
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Sent: Thursday, July 04, 2002 23:52
Subject: [aprssig] Re: "Via" commands

On Thu, 4 Jul 2002, David VanHorn wrote:

> >
>
> I did make the point that the digi that I'm testing against is an WRT
digi,
> and that some are not.
> However, it IS true that a WIDE will not respond to a packet with a path
of
> RELAY,WIDE. An WRT WIDE however, will.
>
>
>

What is an WRT digi??? If I might ask?

Doug/KC7IMR

Trying to establish voice contact ... please yell into your keyboard.
-=-

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---

174. [aprssig] Re: Combining APRS and a weather station - References

From: David L Norris <dave@webaugur.com>
Date: 05 Jul 2002 07:42:13 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: "TAPR APRS Special Interest Group <aprssig@lists.tapr.org>
<LYR26593-88123-2002.07.04-23.56.07--kg9ae#webaugur.com@lists.tapr.org>
<LYR27084-88114-2002.07.04-22.38.44--gregory.beat#attbi.com@lists.tapr.org>"
 <LYR26593-88123-2002.07.04-23.56.07--kg9ae#w
Message-ID: <LYR842-88144-2002.07.05-08.20.11--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

On Thu, 2002-07-04 at 23:18, G. Beat (W9GB) wrote:
> World Meteorological Organization (WMO), Geneva, Switzerland

> WMO-WWW Tech Report 17
> Guide to WMO Binary Code Forms (Part 1 deals with BUFR, Part 2 with GRIB).
> May 1994 Available online at http://www.wmo.ch/web/www/reports/Guide-binary.html

That URL appears to have gone 404. The Wayback Machine has it archived:
http://web.archive.org/web/20011115032127/http://www.wmo.ch/web/www/reports/Guide-binary.html

--
 David Norris
  Dave's Web - http://www.webaugur.com/dave/
  Augury Net - http://augur.homeip.net/
  ICQ - 412039

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Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org
```

175. [aprssig] Re: What is sensitivity ?

From: LAIRD STANTON <LAIRD_STANTON@alexandria-emh1.army.mil>
Date: Fri, 5 Jul 2002 09:53:50 -0400
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-88146-2002.07.05-09.24.13--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

```
Also, each amp stage amplifies the noise along with the signal, and adds
a bit of its own noise.

    -----Original Message-----
   From:   Doug Bade <dbade@clecom.com>@AMC
   Sent:   Wednesday, June 26, 2002 8:43 AM
   To:     "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
   Subject:  [aprssig] Re: What is sensitivity ?

   (Embedded image moved to file: pic30070.pcx)
   I forgot to address the second part... Sensitivity is only half the
   equation, if your receiver and the transmitter are the ONLY ones on
   the air
   on any freq adjacent, then yes it is most important, however
   sensitivity is
   balanced with selectivity which is the ability to ignore off freq
   signals
   which you do not need to hear..
            As you amplify the front end of the receiver which improves
   sensitivity, selectivity degrades as all components have overload
   figures
   which can eventually, with too much interference or overload, negate
   the
   gains of any additional amplifiers ( which is what improves
   sensitivity )
            In general all the components in a receiver which make it
   selective, reduce the sensitivity of the receiver at the same time,
   so
   amplifiers are added in the chain to recover losses induced by these
   components. Amplifiers can only recover losses in components after
   them, so
   any filtering components in front of them are losses.. period...But
   the
   closer the amplifiers are to the antenna jack, the more likely
   selectivity
   issues will get worse as overload and noise in general will rise
   along with
   the good signal..

            So all receivers are a tradeoff of these things, so as to be
   able
   to live in the RF environment of our imperfect situation...

   Doug Bade KB8GVQ


   At 03:20 PM 6/26/02 +1000, Andrew Rich wrote:
   >My radio has 0.11 uV sensitivity at 10 dB S/N
   >
   >Does this mean that to acheive a ratio of 10 db Signal to noise
   requires
   >0.11uV or better ?
   >
   >I can't see why they say 0.11 uV or LESS
   >
   >Therefore a "lower signal required" = better receiver?
   >
   >RF Engineers ?
   >
   >Andrew
   >
   >--------------------------------------------
   >Andrew Rich
   >Callsign: VK4TEC
   >andrew.rich@bigpond.com
   >www.users.bigpond.com/andrew.rich/vk4tec.htm
   >
   >---
   >You are currently subscribed to aprssig as: DOUG@CLECOM.COM
```

>To unsubscribe send a blank email to
leave-aprssig-842K@lists.tapr.org
>Questions regarding the SIG go to the SIG administrator:
wa1lou@tapr.org

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leave-aprssig-842K@lists.tapr.org
Questions regarding the SIG go to the SIG administrator:
wa1lou@tapr.org

[Attachment: pic30070.pcx; application/octet-stream; 2,707 bytes]

---

176. [aprssig] Re: How many GPS receivers left?

From: LAIRD STANTON <LAIRD_STANTON@alexandria-emh1.army.mil>
Date: Fri, 5 Jul 2002 10:04:55 -0400
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: tacgps@lists.tapr.org
Message-ID: <LYR842-88147-2002.07.05-09.35.12--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Received a couple SVeeSix-CM3 from BG earlier in the week.   One antenna had some dialectric material over the antenna, the other did not. Is this just padding or does it serve other purposes?

Does the TT 2 require the TTL to RS-232 conversion or will it work on direct TTL levels?

Laird
N3HLL

-----Original Message-----
From: "Chris Fischer WA5RRN" <wa5rrn@wa5rrn.com>@AMC
Sent: Friday, June 28, 2002 6:43 PM
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: tacgps@lists.tapr.org
Subject: [aprssig] Re: How many GPS receivers left?

(Embedded image moved to file: pic14168.pcx)
Jim,

Here is a sample of the output:

```
$GPGGA,211509.7,3901.216,N,09547.685,W,1,3,003.1,,M,-029,M,,*5A
$GPVTG,000,T,355,M,00.0,N,00.0,K*4D
$GPGGA,211510.7,3901.216,N,09547.685,W,1,3,003.1,,M,-029,M,,*52
$GPVTG,000,T,355,M,00.0,N,00.0,K*4D
$GPGGA,211511.7,3901.216,N,09547.686,W,1,3,003.1,,M,-029,M,,*50
$GPVTG,000,T,355,M,00.0,N,00.0,K*4D
$GPGGA,211512.7,3901.216,N,09547.686,W,1,3,003.1,,M,-029,M,,*53
$GPVTG,000,T,355,M,00.0,N,00.0,K*4D
$GPGGA,211513.7,3901.216,N,09547.686,W,1,3,003.1,,M,-029,M,,*52
$GPVTG,000,T,355,M,00.0,N,00.0,K*4D
$GPGGA,211514.7,3901.216,N,09547.686,W,1,3,003.1,,M,-029,M,,*55
$GPVTG,000,T,355,M,00.0,N,00.0,K*4D
```

73,
Chris - WA5RRN

[Attachment: pic14168.pcx; application/octet-stream; 2,707 bytes]

---

177. [aprssig] PCsat and Sapphire status

From: Bob Bruninga <bruninga@usna.edu>
Date: Fri, 5 Jul 2002 10:03:32 -0400 (EDT)
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: amsat-bb@amsat.org
Message-ID: <LYR842-88149-2002.07.05-09.41.30--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

PCsat is in Eclipses and Sapphire digipeater appears to be inop so I have updated the PCsat web page and the "User Service Agreement" to basically say the following:

We cannot keep PCsat parameters loaded as it resets on every nightime pass (14 times a day). SO we updated the recommendations to simply say that it wont work in the dark, and it will only digipeat on the sunny side after it has had some chance to charge up. This usually means afternoons.

The only PCsat digipeater callsign that will work is via W3ADO-1.

So use it to conduct any experiments you like before it is completely dead. Just dont transmit too often and share it. TYpically, we still recommend no packets any more often than once a minute or so unless involved in a 2-way QSO...

If you have any need to try the SIDE B transponder that downlinks on 144.39, contact me direct.

de WB4APR@amsat.org, Bob

PCsat WEB page http://www.ew.usna.edu/~bruninga/pcsat.html

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178. [aprssig] Re: Questions for WB4APR and the group

From: Bob Bruninga <bruninga@usna.edu>
Date: Fri, 5 Jul 2002 10:09:22 -0400 (EDT)
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: TAPR APRS Special Interest Group <aprssig@lists.tapr.org>
Message-ID: <LYR842-88153-2002.07.05-09.47.16--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

On Thu, 4 Jul 2002, Brandon Cole wrote:

> First, I sent WB4APR a... registration over three weeks ago and have not received any response. I'm assuming that you are either very busy

The latter. End of semester wrapups, new Admiral,Beginning of summer school, trying to catch up on a years worth of work that piled up while doing PCsat and Family matters... I have a months pile of mail and bills at home so I have not even looked at it...

Your V# will be in the next email, however, and if anyone else is pending, just send me an email... and I can whip it right out...

de WB4APR, Bob

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---

179. [aprssig] Re: Questions for WB4APR and the group

From: Bob Bruninga <bruninga@usna.edu>
Date: Fri, 5 Jul 2002 10:18:23 -0400 (EDT)
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: TAPR APRS Special Interest Group <aprssig@lists.tapr.org>
Message-ID: <LYR842-88154-2002.07.05-09.56.20--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

> I have a few questions for WB4APR which might be answerable by others.
>
> Will that particular registration number work if I download future versions of APRSDOS, Data, and TK?

Yes, all future and past...

> Second, for WB4APR's and everyone else's information, my APRSData server (AD5ER) is on for the Amarillo area.

Great work! Only ssend out satellites that are workable by mobile, so you dont wear out your welcome. Anyone that has an ALL mode rig and wants to operate the saatellites will also have his own tracking program and doesnt need the LIVE objects on APRS...

I'd recommend only NO44 (Pcsat), ISS, UO22, UO14, and SO41. Too bad AO-27 is dead now...

>
> Third, I also use APRSTK, and like it very much, but it will not go into DOZ mode. When I hit F10, it displays the following error: "Illegal function call in line 0 of module ASTKW at address 052D:4E32 Hit any key to return to system", and after hitting a key it dies.
> Am I the only one that has experienced this?

I noticed this too.. Dont hit F10. I'll have to fix that.
On my other APRSdos programs, is F10 still needed to run in the background under WIndows? I put that in many years ago when Windows was new and not sure if it still helps or not...?

> Fourth, I've been able to send and receive to ISS and PCSat (although PCSat
> seems to be weak lately), but I have yet to hit UO-22. I can receive the
> occaisional bulletin and a few APRS positions from it, but using the path
> of UOSAT5 I can't get any response. I have my APRSTK hooked up to a TH-D7
> and a roof-mounted Arrow dual-band J-Pole. Will I require more gain and/or
> power to reach UO-22 or am I not configured correctly?

You will never hear yourself on UO-22 becuase it is full duplex. By the time your HT TNC has changed from TX to RX, the Satellite has already begun the digipeat of your packet and coming into it late, yuou will never decode it.

Also, what's the > deal with NO-45?

It appears to be locked up. It is sending its two DITS once every minute or so, but it wont respond to commands or digipeats...

de WB4APR@amsat.org, Bob

PCsat WEB page	http://www.ew.usna.edu/~bruninga/pcsat.html
ISS-APRS FAQ:	http://www.ew.usna.edu/~bruninga/iss-faq.html
CUBESAT Designs	http://www.ew.usna.edu/~bruninga/cubesat.html
APRS LIVE pages	http://www.ew.usna.edu/~bruninga/aprs.html
APRS SATELLITES	http://www.ew.usna.edu/~bruninga/astars.html

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180. [aprssig] RE: Laptop Serial Port

From: LAIRD STANTON <LAIRD_STANTON@alexandria-emh1.army.mil>
Date: Fri, 5 Jul 2002 10:46:34 -0400
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-88156-2002.07.05-10.16.16--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Does anyone make an adapter to adapt PCMCIA cards to USB or serial or parallel ports?

-----Original Message-----
From: "Ev Tupis (W2EV)" <w2ev@arrl.net>@AMC
Sent: Tuesday, July 02, 2002 10:10 PM
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Subject: [aprssig] Laptop Serial Port

(Embedded image moved to file: pic22755.pcx)
I just got this in my inbox and thought it would be of interest, given the latest thread.

Ev, W2EV
--
BEACONet lets you look at the world in ways never before imagined.
http://go.to/BEACONet

RIGblaster - LapTops with USB but no Serial Port

So you got a brand new LapTop computer and when you went to connect it to your RIGblaster you discovered there was no Serial Port. Since then you have been forced to run in VOX mode and then only if your radio has VOX. Well now we have a solution for this problem. West Mountain Radio now offers a USB to Serial Port Adapter by IOGEAR, Model GUC232A, which will allow you to connect the RIGblaster to that new LapTop. It is available on our website (http://www.westmountainradio.com) for $34.95.

Look under RIGblaster Accessories on the Pricing & Ordering page of
our Web
Site.

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wa1lou@tapr.org

[Attachment: pic22755.pcx; application/octet-stream; 2,707 bytes]

181. [aprssig] Re: Questions for WB4APR and the group

From: "Brandon Cole" <brandonacole@yahoo.com>
Date: Fri, 5 Jul 2002 9:38:26
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-88157-2002.07.05-10.16.25--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

F10 does still work on APRSDATA, and I put it into DOZ mode while I run
APRSTK using the second serial port. Whether APRSDATA is running or not,
TK will still not go into DOZ. I haven't used APRSDOS more than a couple
of times, so I can't recall if F10 works on it.
Concerning UO22, during the last few passes I may have not had the TH-D7 in
full duplex mode, but if it is in full duplex mode should it work? I will
certainly try that the next time it passes over.
Thanks for the info!

Brandon
AD5ER

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182. [aprssig] RE: Laptop Serial Port

From: David VanHorn <dvanhorn@cedar.net>
Date: Fri, 05 Jul 2002 09:50:37 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-88161-2002.07.05-10.28.56--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

At 10:46 AM 7/5/2002 -0400, LAIRD STANTON wrote:
>Does anyone make an adapter to adapt PCMCIA cards to USB or serial or
>parallel ports?

You need at least cardbus to get USB.
Otherwise, you can get Par or ser ports in PCMCIA, though they are pricey.

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183. [aprssig] aprsDDTN will be removed from service

From: "Guy Story, KC5GOI" <kc5goi@kc5goi.net>
Date: Fri, 5 Jul 2002 09:51:46 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-88162-2002.07.05-10.29.49--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Hello everyone, as of July 13th, aprsdDTN will be removed from service
permanently. The company I get my ISDN connectivity from is getting out of
the dialup and ISDN business. The company is not folding, just shutting down
the ISP side of life. It has gotten cost prohibitive for them to maintain
ISP operations at $20 and deal with people everyday that forget their
passwords, get viruses due to poor practice and trouble shoot poor phone line
quality. Increasing the fees is not pracitcal either since $9 usage based
dialup is becoming more popular too. I will not be without net, just 24/7
connectivity. My email and web site will not be affected. Broad band is not
an option in my location due to avalability and costs. I could make a very
snide comment about the FCC and broad band deployment rates at this point but
will not do so. I was fortunate that I had 24/7 connectivity for the price I
paid, but all good things must end.

73

--
Guy Story, KC5GOI
Itel-Tigerbyte LLC
gstory@tigerbyte.com
940.891.4575

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184. [aprssig] Re: Questions for WB4APR and the group

From: Bob Bruninga <bruninga@usna.edu>
Date: Fri, 5 Jul 2002 10:53:43 -0400 (EDT)
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: TAPR APRS Special Interest Group <aprssig@lists.tapr.org>
Message-ID: <LYR842-88163-2002.07.05-10.32.52--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

On Fri, 5 Jul 2002, Brandon Cole wrote:

> Concerning UO22, during the last few passes I may have not had the TH-D7 in
> full duplex mode, but if it is in full duplex mode should it work? I will
> certainly try that the next time it passes over.

The RADIO is full duplex, but the TNC is not. The TNC would need to be able to RX data at the same time it is tranmitting data. The single chip internal TNC in the Kenwoods cannot do that... That is why you can never see your own packets digipeated by UO-22, it is full duplex and digipeats your 9600 baud packet instantly with NO TXD....

And you cannot see it on FINDU, bucause I dont think we have ANY one running a permamnet satgate there... But it would be nice...

Bob

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185. [aprssig] Re: Automated DF sensors everywhere

From: Bob Bruninga <bruninga@usna.edu>
Date: Fri, 5 Jul 2002 10:56:20 -0400 (EDT)
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-88164-2002.07.05-10.34.46--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

If we define the auto-QSY protocol proeprly, ANY rig with a serial control interface can then be used with a PIC processor to do all kinds of things.

1) QSY on command when someone wants to talk to you on IRLP/ILINK
2) QSY when a satellite is in view
3) QSY to do a sig check for the DF application we are discussing
4) Add local Channels to a memory bank when a mobile enteres a new area.
5) QSY to the talk-in channel for any special event, etc...
6) QSY as commanded by net control for any applications...

de WB4APR, Bob

On Thu, 4 Jul 2002, Dick Reichenbach wrote about the auto-QSY for DFing:

> First of all, my PCR-1000 scanner reaction tunes nicly and using the
> computer software could switch to any freq get a S report off the fox or
> rabbit, and then the software can feed that information directly into
> the AX.25 port. In fact any computer that has both an APRS station and
> a computer controlled scanner should be able to contribute automaticly
> to the DF request....
>
> Secondly, what about using the laptop (or PALM) running APRS program to
> decode the native output of the D700 while the D700 is running in APRS
> mode. That way you can decode the incoming packets and display on your
> map, trigger the D700 to send the smartbeaconing packets, and this would
> still allow you to control the B Band of the radio via your APRS
> program, all while allowing the D700 to do the gruntwork of transmitting

> routine traffic. I would love to ask Mike Musick for this feature, I
> could eliminate both the D700 head and replace it with a full color map
> at the same time. But I don't know what kind of responce I would get.
> Hint, Hint.

> > > Boy, this is a great idea.... Your aprs station sends out a DF request
> > > for 146.52mhz, and every kenwood radio in the area sends back a signal
> > > strength reading. The map back at home lights up within 30 seconds.
> > > >
> > > > Since APRS knows where all the D700's are, it instantly gets a
> > > > signal strength coutour from which the location of the signal is
> > > > then usually obvious. APRSdos has always had the ability to plot
> > > > overlaping singal strength contours with brighter colors showing
> > > > stronger signals. The area of maximum overlap of the brightest
> > > > colors is where the signal is coming from.

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186. [aprssig] TinyTrakII (TT2) and Trimble SV6 interfacing

From: "G. Beat \(W9GB\)" <gregory.beat@attbi.com>
Date: Fri, 5 Jul 2002 10:02:17 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-88169-2002.07.05-10.42.27--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Laird -

You are going to need to build an RS-232 interface for the SV-6 for the following reasons:

1. Interface the SV-6 to a computer with Trimble software for initial self-testing of SV-6.
2. Assure that the SV-6 has an initial almanac loaded (your current location).
3. Load the NEMA configuration into the SV-6. Most of the BG Micro versions were used in embedded applications that used the Trimble protocol (This is in the BG Micro instructions, downloadable from their web site).
4. Set remaining configuration parameters for SV-6.

Then you have a working SV-6 outputting NEMA sentences.

Your real question is: Can the PIC microcontroller (TT2) handle the SV-6 TTL output, without the extra MAX232 chip?

The serial in/out ports (J1 connector on the TT2) are applied to pins 2 and 3 (with a 10K resistor in series) of the PIC 16CE625-20/P microcontroller.

This is covered on page 4 of the TinyTrakII.pdf (available on the Byonics web site)

In reference to J1 (The DB-9 serial port connection) Pin 2 is used to transfer serial data from the TinyTrakII to the computer. Pin 3 is used to transfer serial data from the computer or GPS to the TinyTrakII. Pin 5 is serial ground.

The PIC controller also has to be programmed (with your call sign) from a computer serial port (RS232). It might be possible, but looks like you would then have to have a TTL to RS-232 interface for the TinyTrak 2 to your computer.

73 de w9gb

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187. [aprssig] TinyTrakII (TT2) and Trimble SV6 interfacing (Page 2)

From: "G. Beat \(W9GB\)" <gregory.beat@attbi.com>
Date: Fri, 5 Jul 2002 10:08:53 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-88171-2002.07.05-10.49.35--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

At the end of the Byonics documentation (N6BG) they have this added caveat:

Tiny Trak II uses inverted TTL levels (0 & 5 volts) for serial
communication rather than true RS-232 signal levels (-12 & +12 volts).
This may cause communication problems with some GPS receivers and computers
(especially laptops). A RS-232 level converter, such as the MAX 232, may be
used, but the TTL levels will need to be un-inverted, with transistors or a
TTL inverter chip (such as the hex inverter 74AC04)

w9gb

----- Original Message -----
From: "G. Beat (W9GB)" <gregory.beat@attbi.com>
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Sent: Friday, July 05, 2002 10:02 AM
Subject: TinyTrakII (TT2) and Trimble SV6 interfacing

> Laird -
>
> You are going to need to build an RS-232 interface for the SV-6 for the
> following reasons:
>
> 1. Interface the SV-6 to a computer with Trimble software for initial
> self-testing of SV-6.
> 2. Assure that the SV-6 has an initial almanac loaded (your current
> location).
> 3. Load the NEMA configuration into the SV-6. Most of the BG Micro
versions
> were used in embedded applications that used the Trimble protocol (This is
> in the BG Micro instructions, downloadable from their web site).
> 4. Set remaining configuration parameters for SV-6.
>
> Then you have a working SV-6 outputting NEMA sentences.
> --
> Your real question is: Can the PIC microcontroller (TT2) handle the SV-6
> TTL output, without the extra MAX232 chip?
>
> The serial in/out ports (J1 connector on the TT2) are applied to pins 2
and
> 3 (with a 10K resistor in series) of the PIC 16CE625-20/P microcontroller.
>
> This is covered on page 4 of the TinyTrakII.pdf (available on the Byonics
> web site)
>
> In reference to J1 (The DB-9 serial port connection) Pin 2 is used to
> transfer serial data from the TinyTrakII to the computer. Pin 3 is used
to
> transfer serial data from the computer or GPS to the TinyTrakII. Pin 5 is
> serial ground.
>
> The PIC controller also has to be programmed (with your call sign) from a
> computer serial port (RS232). It might be possible, but looks like you
> would then have to have a TTL to RS-232 interface for the TinyTrak 2 to
your
> computer.
>
> 73 de w9gb
>
>
>
>
>

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188. [aprssig] Re: Questions for WB4APR and the group

From: "Ken Patterson" <kenp@etex.net>
Date: Fri, 5 Jul 2002 15:15:30 +0100
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-88173-2002.07.05-10.54.52--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Bob,

Please remember back to last August when I reported to the sig that I worked the UO-22 digipeater with my TH-D7AG and my laptop,
using the internal D7 TNC. The important thing to remember is to have the D7 in duplex mode.

Please find a copy of my posting from last August below.

73,
de Ken,
N5EQT

Hello all.

Due to popular demand on the AMSAT SIG, I thought I would post my TH-D7A(G) to UO-22 digipeater settings here on the APRSSAT SIG for other interested parties to see.

I am using a laptop in terminal mode (like Procomm Plus or Hyper Terminal) & the TNC functionality of the TNC. In other words, I am not using the APRS TNC function. Press the D7 TNC keyboard button twice for this function.

My TNC configuration string is pretty simple.

```
MYCALL: N5EQT-3
HBAUD: 9600
UNPROTO: APRSAT via UOSAT5
```

Press the DUP key on the D7 keypad to place it in full duplex mode.

All other TNC settings are the factory defaults that the D7 powers up with.

You will need to go to (Menu) 1-4-1 & set the packet band for A:TX B: RX, since mode JD is up on 2M & down on 70cm.

You will also need to go to (F) 8 & set the step size of each VFO to 5 Khz.

To compensate for Doppler shift, I use a beginning (AOS) downlink frequency of 435.130, a center of pass frequency of 435.120 & I ended the pass (LOS) with a frequency of 435.110. I tune the D7 in 5 Khz steps.

The downlink is pretty easy to find because it is constantly transmitting. I usually hear periods (seconds) of silence, & I think it is because of nulls in my receive antenna pattern. For those new to 9600 baud FSK, it sounds like open squelch noise. After listening to / for the signal, you will find that it has a certain 'quality' that distinguishes it from regular squelch noise.

As a verification of your receive capabilities, see if you can receive the various news & status bulletins. A sample follows below.

```
UOSAT5>NEWS:Use both uplinks - 145.900 and 145.975
UOSAT5>SKED:Sked 1.5 File2:75b72 Next:Wed Aug 15 12:00:00 2001
UOSAT5-12>BBSTAT:Open 12a :
UOSAT5-11>STATUS:B: 75591616
```

UO-22 uses 2 uplink frequencies, 145.900 or 145.975 (your choice, both are active). Since there is approximately +/- 3 Khz of Doppler shift during an entire pass, I have found there is no need for uplink tuning.

For my pass predictions, I use STSPLUS. I am familiar with it & it works very well. It is a freeware / shareware program & can be found at:
http://www.dransom.com/stsplus.html

My antenna is a Cushcraft A270-6S (3 ele VHF & 3 ele UHF) antenna. A duplexer is not required for this antenna. Pointing, via the armstrong method, in the general direction of UO-22 works here.

My uplink packet looks like this:

```
EM22lu/- de N5EQT Pls QSL via kenp@etex.net
```

When I am successfully digipeated via UO-22, my received packet looks

```
something like this:

N5EQT-3>APRSAT,UOSAT5*:EM22lu/- de N5EQT Pls QSL via kenp@etex.net

That's it. The usual disclaimer of Your Mileage May Vary applies.

See you on the birds.

73,
N5EQT

----- Original Message -----
From: "Bob Bruninga" <bruninga@usna.edu>
To: "TAPR APRS Special Interest Group" <aprssig>
Cc: "TAPR APRS Special Interest Group" <aprssig>
Sent: Friday, July 05, 2002 15:53
Subject: [aprssig] Re: Questions for WB4APR and the group


> On Fri, 5 Jul 2002, Brandon Cole wrote:
>
> > Concerning UO22, during the last few passes I may have not had the TH-D7 in
> > full duplex mode, but if it is in full duplex mode should it work?  I will
> > certainly try that the next time it passes over.
>
> The RADIO is full duplex, but the TNC is not.  The TNC would need to be
> able to RX data at the same time it is tranmitting data.  The single chip
> internal TNC in the Kenwoods cannot do that...  That is why you can never
> see your own packets digipeated by UO-22, it is full duplex and digipeats
> your 9600 baud packet instantly with NO TXD....
>
> And you cannot see it on FINDU, bucause I dont think we have ANY one
> running a permamnet satgate there...  But it would be nice...
>
> Bob
>
>
>
>
> ---
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>
>



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Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org
```

---

189. [aprssig] Re: How many GPS receivers left?

From: "Curt Mills, WE7U" <archer@eskimo.com>
Date: Fri, 5 Jul 2002 08:50:48 -0700 (PDT)
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: TAPR APRS Special Interest Group <aprssig@lists.tapr.org>,
       tacgps@lists.tapr.org
Message-ID: <LYR842-88179-2002.07.05-12.18.47--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

```
On Fri, 5 Jul 2002, LAIRD STANTON wrote:

> Does the TT 2 require the TTL to RS-232 conversion or will it work on
> direct TTL levels?

You just have to invert the signal.  A transistor and a couple of
resistors work just fine.  It'll save you from having to put in a
chip.

I'd highly recommend adding a lithium coin cell to the backup voltage
pin on the Trimble as well.  Without this (or continuous 3V from some
other source) you'll need to wait about 15 minutes with clear sky for
the GPS to re-gain the almanac and get a lock.  With the battery it
locks up reasonably fast.

Curt, WE7U.                             archer@eskimo.com
http://www.eskimo.com/~archer
  Lotto:  A tax on people who are bad at math. - unknown
```

Windows: Microsoft's tax on computer illiterates. - WE7U.

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Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

190. [aprssig] PCsat 9600 baud experiments!

From: Bob Bruninga <bruninga@usna.edu>
Date: Fri, 5 Jul 2002 13:26:10 -0400 (EDT)
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-88183-2002.07.05-13.04.04--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

CALL FOR EXPERIMENTS:

I just realized that since PCsat is resetting itself and thus the 9600 baud UHF receivers are coming on by default (even though we would like to keep them OFF to save power), we may as well conduct experiments to see how well they are working to validate future designs.

THey were designed with a 40 KHz wide channel so that uplinks would NOT have to make any doppler adjustments. THe wider bandwidth and added UHF path loss requires 13 dB higher power for the same link performace as the 2 meter 1200 baud uplink, but it should work well with a 50W mobile D-700 kenwood set to 9600 baud. Please test this for us...

Thanks.

de WB4APR@amsat.org, Bob

PCsat WEB page   http://www.ew.usna.edu/~bruninga/pcsat.html

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Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

191. [aprssig] Re: PCsat 9600 baud experiments!

From: Bob Bruninga <bruninga@usna.edu>
Date: Fri, 5 Jul 2002 13:58:56 -0400 (EDT)
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-88192-2002.07.05-13.36.54--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

> CALL FOR EXPERIMENTS:
>
> PCsat 9600 baud UHF receivers were designed with a 40 KHz wide channel
> so that uplinks would NOT have to make any doppler adjustments... It
> should work well with a 50W mobile D-700 set to 9600 baud.
> Please test this for us...

OOPS. The center FREQ is 435.250 and the Default digi path is VIA W3ADO-2 and what we are interested in is if you can hit the bird over the full 40 KHz of bandwidth. In otherwords, if you get a successful digipeat, then try it again +/- 5 or 10 KHz. The center of the uplink is 435.250

If this is all new to you, then what this means is to try at 9600 baud:

```
START OF PASS try  435.250, .240, .230
MIDDLE OF PASS try 435.250, .240, .260
END OF PASS try    435.250, .260, .270
```

and the 5 KHz steps inbetween if unsuccessful in getting +/- 10 KHz spread. Listening always of course on 145.825 downlink at 9600 baud. Even if you dont decode the downlink due to poor power, if you HEAR a 9600 baud "SWISH" then consider it a good digipeat...

de WB4APR@amsat.org, Bob

```
PCsat WEB  page     http://www.ew.usna.edu/~bruninga/pcsat.html
ISS-APRS FAQ:       http://www.ew.usna.edu/~bruninga/iss-faq.html
CUBESAT Designs     http://www.ew.usna.edu/~bruninga/cubesat.html
APRS LIVE pages     http://www.ew.usna.edu/~bruninga/aprs.html
APRS SATELLITES     http://www.ew.usna.edu/~bruninga/astars.html
```

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Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

192. [aprssig] Re: Questions for WB4APR and the group

From: Bob Bruninga <bruninga@usna.edu>
Date: Fri, 5 Jul 2002 14:00:23 -0400 (EDT)
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-88193-2002.07.05-13.38.39--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

On Fri, 5 Jul 2002, Ken Patterson wrote:

> Bob,
> Please remember back to last August when I reported to the sig that I
> worked the UO-22 digipeater with my TH-D7AG and my laptop, using the
> internal D7 TNC. The important thing to remember is to have the D7 in
> duplex mode.

Yes, but in general, you will never see your own packets digipteated. In rare instances if the downlink is full of BBS traffic and your digiepated packet does get slightly delayed before being inserted into the stream, there is a chance that the delay will be sufficient to see it yourslef. But in general and with the light usage of UO-22, this will be rare indeed...

But it does work! Others will see you. I saw 3 people doing APRS via UO-22 on FD...

Bob

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Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

193. [aprssig] PicoPacket has been sold.

From: Paul Womble <pwomble1@tampabay.rr.com>
Date: Fri, 05 Jul 2002 14:04:46 -0400
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-88194-2002.07.05-13.44.41--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Thanks for all of the replies.

Paul K4FB

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Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

194. [aprssig] APRS WX station

From: "M. Schneider" <msokla@brightok.net>
Date: Fri, 5 Jul 2002 15:26:52 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-88206-2002.07.05-16.00.43--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Anybody have any suggestions, recommendations - good or bad, regarding wx stations for a home wx APRS station? Our new club digi, STLWTR, should be on the air soon, so I thought I'd put a wx station on the air. I have a Radio Shack WX-200 currently and was planning to get the Oregon Scientific WM-918 as it is the same unit with longer cables. However, it doesn't look like the WM-918 cables will be long enough to get the wind unit up to the NWS-required 10 meters and still reach inside to my shack. I'm also leery of the wireless units due to the RF fields around my house. I'd be using the station with the latest flavor of APRS+SA, if that matters.

Mark Schneider
K5MAR
Stillwater, OK ARC

Asst. EC, Payne Cty, OK ARES

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To unsubscribe send a blank email to leave-aprssig-842K@lists.tapr.org
Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

195. [aprssig] RE: Laptop Serial Port

From: LAIRD STANTON <LAIRD_STANTON%Exchange@alexandria-emh1.army.mil>
Date: Fri, 5 Jul 2002 16:41:31 -0400
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-88207-2002.07.05-16.12.07--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Wondering about the reverse. Have PCMCIA card, may not always have
receptical available. Wondering about options.

```
    -----Original Message-----
   From:   David VanHorn <dvanhorn@cedar.net>@AMC
   Sent:   Friday, July 05, 2002 10:51 AM
   To:     LAIRD STANTON <LAIRD_STANTON@alexandria-emh1.army.mil>; TAPR
             APRS Special Interest Group <aprssig@lists.tapr.org>
   Subject:  Re: [aprssig] RE: Laptop Serial Port

   (Embedded image moved to file: pic16635.pcx)
   At 10:46 AM 7/5/2002 -0400, LAIRD STANTON wrote:
   >Does anyone make an adapter to adapt PCMCIA cards to USB or serial
   or
   >parallel ports?

   You need at least cardbus to get USB.
   Otherwise, you can get Par or ser ports in PCMCIA, though they are
   pricey.
```

[Attachment: pic16635.pcx; application/octet-stream; 2,707 bytes]

196. [aprssig] RE: Laptop Serial Port

From: David VanHorn <dvanhorn@cedar.net>
Date: Fri, 05 Jul 2002 15:46:15 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-88209-2002.07.05-16.24.10--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

At 04:41 PM 7/5/2002 -0400, LAIRD STANTON wrote:
>Wondering about the reverse. Have PCMCIA card, may not always have
>receptical available. Wondering about options.

I'm not sure I understand.

You can't get USB in anything less than cardbus. (NOT pcmcia)
You can get ser and par ports in PCMCIA, PC-Card, and Cardbus.

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197. [aprssig] Re: APRS WX station

From: Roger Grady <k9opo@comteck.com>
Date: Fri, 05 Jul 2002 16:35:18 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-88210-2002.07.05-17.09.38--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

At 03:26 PM 7/5/02 -0500, M. Schneider wrote:
>Anybody have any suggestions, recommendations - good or bad, regarding wx
>stations for a home wx APRS station? Our new club digi, STLWTR, should be
>on the air soon, so I thought I'd put a wx station on the air. I have a
>Radio Shack WX-200 currently and was planning to get the Oregon Scientific
>WM-918 as it is the same unit with longer cables. However, it doesn't look
>like the WM-918 cables will be long enough to get the wind unit up to the
>NWS-required 10 meters and still reach inside to my shack.

I extended the anemometer cable on my WM-918 with no problem. In fact, I
still have the entire 100' roll of cable I bought in the circuit - never
got around to cutting it off. I checked the wind direction readout with and
without the extension and there was no detectable difference.

Roger Grady K9OPO

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---

198. [aprssig] RE: Laptop Serial Port

From: "Ronald Reams" <wa4mjf@worldnet.att.net>
Date: Fri, 5 Jul 2002 17:36:43 -0400
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-88211-2002.07.05-17.15.00--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Laird, you need to send to Camp Swampy and
have BG Halftrack send SP4 Gizmo TDY to fix your attachment
problem.

73 de Ronnie

----- Original Message -----
From: "LAIRD STANTON" <LAIRD_STANTON%Exchange@alexandria-emh1.army.mil>
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Sent: Friday, July 05, 2002 16:41
Subject: [aprssig] RE: Laptop Serial Port

Wondering about the reverse. Have PCMCIA card, may not always have
receptical available. Wondering about options.

    -----Original Message-----
   From: David VanHorn <dvanhorn@cedar.net>@AMC
   Sent: Friday, July 05, 2002 10:51 AM
   To: LAIRD STANTON <LAIRD_STANTON@alexandria-emh1.army.mil>; TAPR
             APRS Special Interest Group <aprssig@lists.tapr.org>
   Subject: Re: [aprssig] RE: Laptop Serial Port

   (Embedded image moved to file: pic16635.pcx)
   At 10:46 AM 7/5/2002 -0400, LAIRD STANTON wrote:
   >Does anyone make an adapter to adapt PCMCIA cards to USB or serial
   or
   >parallel ports?

   You need at least cardbus to get USB.
   Otherwise, you can get Par or ser ports in PCMCIA, though they are
   pricey.

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---

199. [aprssig] Re: PCsat 9600 baud experiments!

From: "Eric Christensen, KF4OTN" <kf4otn@cox.net>
Date: Fri, 5 Jul 2002 17:39:18 -0400
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-88212-2002.07.05-17.17.58--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Bob,
We were talking about this earlier, but I don't remember the answer.

If we go up on 435.250 at 9600, is it possible to come down on 2
meters at 1200? If memory serves me correct, it would be an addition
to the protopath. I think you said that the gate was not programmed
all the time, but I don't remember.

Thanks,
Eric KF4OTN

----- Original Message -----
From: "Bob Bruninga" <bruninga@usna.edu>
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Sent: Friday, July 05, 2002 13:58
Subject: [aprssig] Re: PCsat 9600 baud experiments!

> CALL FOR EXPERIMENTS:
>
> PCsat 9600 baud UHF receivers were designed with a 40 KHz wide
channel
> so that uplinks would NOT have to make any doppler adjustments...
It
> should work well with a 50W mobile D-700 set to 9600 baud.
> Please test this for us...

OOPS. The center FREQ is 435.250 and the Default digi path is VIA
W3ADO-2
and what we are interested in is if you can hit the bird over the
full 40
KHz of bandwidth. In otherwords, if you get a successful digipeat,
then
try it again +/- 5 or 10 KHz. The center of the uplink is 435.250

If this is all new to you, then what this means is to try at 9600
baud:

```
START OF PASS try  435.250, .240, .230
MIDDLE OF PASS try 435.250, .240, .260
END OF PASS try    435.250, .260, .270
```

and the 5 KHz steps inbetween if unsuccessful in getting +/- 10 KHz
spread. Listening always of course on 145.825 downlink at 9600 baud.
Even if you dont decode the downlink due to poor power, if you HEAR a
9600
baud "SWISH" then consider it a good digipeat...

de WB4APR@amsat.org, Bob

```
PCsat WEB  page     http://www.ew.usna.edu/~bruninga/pcsat.html
ISS-APRS FAQ:       http://www.ew.usna.edu/~bruninga/iss-faq.html
CUBESAT Designs     http://www.ew.usna.edu/~bruninga/cubesat.html
APRS LIVE pages     http://www.ew.usna.edu/~bruninga/aprs.html
APRS SATELLITES     http://www.ew.usna.edu/~bruninga/astars.html
```

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wa1lou@tapr.org

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Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

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200. [aprssig] Re: PCsat 9600 baud experiments!

From: Bob Bruninga <bruninga@usna.edu>
Date: Fri, 5 Jul 2002 18:06:46 -0400 (EDT)
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: TAPR APRS Special Interest Group <aprssig@lists.tapr.org>,
        <amsat-bb@amsat.org>
Message-ID: <LYR842-88214-2002.07.05-17.44.45--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

On Fri, 5 Jul 2002, Eric Christensen, KF4OTN wrote:

> Bob,
> We were talking about this earlier, but I don't remember the answer.
>
> If we go up on 435.250 at 9600, is it possible to come down on 2
> meters at 1200?

YES, but only if we command UIGATE on. It is OFF by default, so that is
why I did not receommend it, since your chance of hitting it after we
command it are small. If UIGATE is ON, then the path would be via
XBAUD...

Ill try to turn it on when I can, but it only holds till dark. Probably
not worth the trouble. NEvermind, I wont turn it on, because that will
just add another possible unknown. SO the only 9600 baud that will work
is up on 435.250 at 9600 via W3ADO-2 and down at 9600 on 145.825.

bob

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---

201. [aprssig] Re: PCsat 9600 baud experiments!

From: "Eric Christensen, KF4OTN" <kf4otn@cox.net>
Date: Fri, 5 Jul 2002 18:27:00 -0400
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>,
<amsat-bb@amsat.org>
Message-ID: <LYR842-88216-2002.07.05-18.04.54--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Ok, now my other question is... Are there any IGATES out there that
are processing 9600 baud data???

----- Original Message -----
From: "Bob Bruninga" <bruninga@usna.edu>
To: "Eric Christensen, KF4OTN" <kf4otn@cox.net>
Cc: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>;
<amsat-bb@amsat.org>
Sent: Friday, July 05, 2002 18:06
Subject: Re: [aprssig] Re: PCsat 9600 baud experiments!

On Fri, 5 Jul 2002, Eric Christensen, KF4OTN wrote:

> Bob,
> We were talking about this earlier, but I don't remember the
answer.
>
> If we go up on 435.250 at 9600, is it possible to come down on 2
> meters at 1200?

YES, but only if we command UIGATE on. It is OFF by default, so that
is
why I did not receommend it, since your chance of hitting it after we
command it are small. If UIGATE is ON, then the path would be via
XBAUD...

Ill try to turn it on when I can, but it only holds till dark.
Probably
not worth the trouble. NEvermind, I wont turn it on, because that
will
just add another possible unknown. SO the only 9600 baud that will
work
is up on 435.250 at 9600 via W3ADO-2 and down at 9600 on 145.825.

bob

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---

202. [aprssig] TinyTrak II - Garmin GPSII+ Wiring

From: Robin Midgett <rmidgett@bellsouth.net>
Date: Fri, 05 Jul 2002 17:34:46 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-88217-2002.07.05-18.12.42--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Greetings,
I found a convenient way to supply external power to a Garmin GPSII+ when using it in conjunction with a TinyTrakII; wire +12 VDC from the TTII to pin 9 of the TTII DB-9 connector, (which isn't used by the TTII) & build a four conductor cable (I used Belden 8723) with a mating DB-9 connector to interface with the GPSII+. Supplying power to the TTII for programming doesn't present a problem for the computer serial port since (according to info I could find) pin 9 on a DB-9 serial port is Ring Signal, a 12V input anyway.
I was cautious enough the first time I connected the TTII to the serial port to choose a serial port on an ISA card, just to avoid potentially damaging an on-mother board serial port. Works good, lasts long time!
BTW, an Altoids tin makes a dandy TinyTrakII enclosure; just big enough for easy installation of a DB-9 on each end + a power lead tail.

Thanks & 73,
Robin Midgett KB4IDC
VHF+ Glutton, /Rover & fixed station EM66se
APRS Newbie

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To unsubscribe send a blank email to leave-aprssig-842K@lists.tapr.org
Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

---

203. [aprssig] RE: Laptop Serial Port

From: "Mike Yetsko" <myetsko@insydesw.com>
Date: Fri, 5 Jul 2002 18:36:33 -0400
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-88218-2002.07.05-18.17.06--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

----- Original Message -----
From: "LAIRD STANTON" <LAIRD_STANTON%

> Wondering about the reverse. Have PCMCIA card, may not always have
> receptical available. Wondering about options.

Well, there are a few... But not many, and what there is you cannot rely on to be 'generic'.

About the only thing I've seen 'generic' is a USB port to this little slotted
ball that sits on your desk. It was designed to take the CF and other small cards, but the one version actually had PCMCIA on it as well. It was advertised as only supporting ATA cards though, and only in IO mode. Although I suppose if it supported ATA in IO, if it read the tuples at all, it should be able to do anything. But they MAY have just 'hard configured' it to do ATA in the mode where you pull a pin and it's now compatible with IDE. (Hmm, I have a few of those adapters laying around as well.)

Mike

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To unsubscribe send a blank email to leave-aprssig-842K@lists.tapr.org
Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

---

204. [aprssig] Davis Weather Monitor II

From: "Mark L. Elliott" <marklelliott@insightbb.com>
Date: Fri, 05 Jul 2002 18:05:13 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-88219-2002.07.05-18.50.05--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

I have a Davis Weather Monitor II and have been unable to get the correct value for Barometric Pressure to show up. What is the "secret" to getting Barometric Pressure working with WinAPRS?

There are fields for Pressure, Pressure (mb), & Press Offset (mb). I've tried different things but can't seem to find the correct set-up

Thanks in Advance!

Mark, N9WST

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To unsubscribe send a blank email to leave-aprssig-842K@lists.tapr.org
Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

205. [aprssig] RE: APRS WX station

From: "Ray McKnight - WB3ABN" <shortsheep@worldnet.att.net>
Date: Fri, 5 Jul 2002 16:30:06 -0700
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: <aprssig@tapr.org>
Message-ID: <LYR842-88222-2002.07.05-19.08.09--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Don't bother spending money on a new station; the one you have will work fine, with a little care. First, I believe you can extend the cables to 100 ft or more without any problems and little or no affect on calibration. Here's one of the best sources for info/support on these units:

http://www.weathermatrix.net/bbs/wx-200board/

Here's a great discussion of the temp sensor intermittent problem, and several solutions:

http://www.qsl.net/zl1vfo/wx200/mods.htm#Problems

BTW - I think the OSI cables are only five feet longer anyway! Still far too short for a proper installation. This has been discussed exhaustively on the support board. There should be tons of info there.

73's
Ray - WB3ABN
Kingston, WA

-----Original Message-----
From: bounce-aprssig-29143@lists.tapr.org
[mailto:bounce-aprssig-29143@lists.tapr.org] On Behalf Of M. Schneider
Sent: Friday, July 05, 2002 13:27
To: TAPR APRS Special Interest Group
Subject: [aprssig] APRS WX station

Anybody have any suggestions, recommendations - good or bad, regarding
wx
stations for a home wx APRS station? Our new club digi, STLWTR, should
be
on the air soon, so I thought I'd put a wx station on the air. I have a
Radio Shack WX-200 currently and was planning to get the Oregon
Scientific
WM-918 as it is the same unit with longer cables. However, it doesn't
look
like the WM-918 cables will be long enough to get the wind unit up to
the
NWS-required 10 meters and still reach inside to my shack. I'm also
leery
of the wireless units due to the RF fields around my house. I'd be
using
the station with the latest flavor of APRS+SA, if that matters.

Mark Schneider
K5MAR
Stillwater, OK ARC
Asst. EC, Payne Cty, OK ARES

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Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

206. [aprssig] RE: [aprsspec] Feedback on the APRS101.PDF documentation

From: "Ray McKnight - WB3ABN" <shortsheep@worldnet.att.net>
Date: Fri, 5 Jul 2002 16:46:50 -0700
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: <aprssig@tapr.org>
Message-ID: <LYR842-88223-2002.07.05-19.24.50--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

```
Who says "Both findu.com and NOAA want the
wind value in this case to be in MPH"?  Does the Citizen's Weather
Program directly conflict with FMH-1, which in Chapter 5.5.1 clearly
states that all wind observations will be reported in KNOTS.

Ray - WB3ABN
Kingston, WA

-----Original Message-----
From: bounce-aprsspec-29216@lists.tapr.org
[mailto:bounce-aprsspec-29216@lists.tapr.org] On Behalf Of Ed Blair
Sent: Friday, July 05, 2002 15:15
To: APRS Spec Discussion List
Subject: [aprsspec] Feedback on the APRS101.PDF documentation

I just finished adding an internet APRS weather report feature to Davis
Instruments' WeatherLink program.
This feature generates APRS packets from a weather station (and user
entered
Lat/Lon info) and sends them
via the internet to an APRS server. This feature was added at the
request of
and to support NOAA's Citizen
Weather Observer's Program.

I had a couple of comments about the APRS101.PDF documentation file you
may
want to consider for the next
time you release a new version.

1. In section 12, page 64. You describe the Positionless Weather Data
format
and state that wind speed values are
in MPH. On page 65, for "Complete Weather Reports with Timestamp and
Position" you state that "... the 7-byte Wind
Direction and Wind Speed Data Extension replace the "cccc" and "ssss"
fields
...". Back on page 27 the definition of the
"Wind Direction and Wind Speed" data extension says that wind speed
should
be expressed in knots. This will result in
inconsistent units (i.e. the current wind given in knots with the wind
gust
given in mph). Both findu.com and NOAA want the
wind value in this case to be in MPH.

2. Again on page 64, It is really hard to tell which rain field is
supposed
to use the lowercase "p" and which is supposed to
use the uppercase "P". It is possible to choose a different font so that
it
is more clear?

3. This software works on Davis' new line of weather stations, the
Vantage
Pro. I am using "DsVP" as the Weather Unit Type
and am submitting it as a candidate for the official list.

4. What should I do about the APRS Software Type field? I know that
there is
at least one other software package in the same niche
as mine (i.e. generating APRS weather packets for internet distribution,
but
only as a small part of a general weather display
and data management program). I am using a "." (period) for now.

Thank you for your consideration
Edward Blair.

-------------------------------------------------------
Edward Blair            Davis Instruments
```

Software Engineer   3465 Diablo Ave
eblair@davisnet.com   Hayward, CA 94545
(510) 732-9229

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leave-aprsspec-29216F@lists.tapr.org
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---
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---

207. [aprssig] Trimble SVeeSix-CM3 Software Request

From: "Chuck Gooden" <cgooden@insightbb.com>
Date: Fri, 5 Jul 2002 18:53:57 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-88224-2002.07.05-19.31.52--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

I just received my Trimble SVeeSix-CM3 GPS from BGMicro and am attempting to locate the software for it. From searching the Trimble web site it appears the product has been discontinued. Unlike other companies Trimble appears to remove software for the discontinued products from their web site.

Therefore could someone please send me the following files:

Tk502z.exe
Tk510.exe
502_NMEA.exe
502_TAIP.exe
GPSSK.exe

Thanks,

Chuck Gooden - N9QBT
Rockford, Illinois

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---

208. [aprssig] Re: Trimble SVeeSix-CM3 Software Request

From: "G. Beat \(W9GB\)" <gregory.beat@attbi.com>
Date: Fri, 5 Jul 2002 20:34:11 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-88235-2002.07.05-21.12.05--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Chuck & other SV-6 buyers-

BG Micro supplied a 5 page Adobe Acrobat file for the Trimble SV-6 CM3
http://www.bgmicro.com/pdf/acs1394.pdf

This file supplied by BG Micro (with photographs and marked components) is of the Heathkit or Elecraft quality of instructions.

I would suggest both printing and saving this PDF file to disk. This can be
accomplished
with the latest version of Adobe Acrobat available at:
http://www.adobe.com/products/acrobat/readstep2.html

Here is the Trimble ftp site with all of the required files (I just checked it and it works).
ftp://ftp.trimble.com/pub/sct/embedded/bin/

73 de w9gb
Greg

Since the Internet, the world does not read anymore, they just ask more
questions.

            - Anonymous

----- Original Message -----
From: "Chuck Gooden" <cgooden@insightbb.com>
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Sent: Friday, July 05, 2002 6:53 PM
Subject: [aprssig] Trimble SVeeSix-CM3 Software Request

> I just received my Trimble SVeeSix-CM3 GPS from BGMicro and am attempting
to
> locate the software for it. From searching the Trimble web site it
appears the
> product has been discontinued. Unlike other companies Trimble appears to
> remove software for the discontinued products from their web site.
>
> Therefore could someone please send me the following files:
>
> Tk502z.exe
> Tk510.exe
> 502_NMEA.exe
> 502_TAIP.exe
> GPSSK.exe
>
> Thanks,
>
>
> Chuck Gooden - N9QBT
> Rockford, Illinois
>
>
>
> ---
> You are currently subscribed to aprssig as: gregory.beat@attbi.com
> To unsubscribe send a blank email to leave-aprssig-842K@lists.tapr.org
> Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org
>
>

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209. [aprssig] UIDIGI for dummies

From: KC7ZRU - Tate <kc7zru@arrl.net>
Date: Fri, 05 Jul 2002 20:13:09 -0600
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-88241-2002.07.05-21.51.07--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

OK,

I've got the UIDIGI package, a prom burner (Prompro-8x) but without
software. I'm in contact with Logical Devices, Inc to remedy that. My
problem is in deciphering these EPROM part numbers. I read that the
MFJ-1270 family needs a 27x256 (or 27x512 and do the pin 1 toggle)
EPROM. However, when I search mouser.com I find nothing that matches
either.

Am I not looking for the right thing? Anyone got any blank TNC2
compatible EPROMs they want rid of?

Thanks in advance!

73

--
              Casper, WY | CARC Repeater
                DN62tt | 146.940
        "The Dungeon" online at http://go.to/kc7zru
            "RTFM" is NOT a 'four letter' word!

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210. [aprssig] Re: UIDIGI for dummies

From: Mark Cheavens <mcheavens@usa.net>
Date: Fri, 05 Jul 2002 22:04:02 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-88243-2002.07.05-22.41.45--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

```
http://www.mouser.com/index.cfm?handler=productsearch._listproductsearch&precision=All&searchtype=starts
+with&criteria=27c256&searchby=PartNumber

All of the DIP packages are what you are looking for.

Mark Cheavens
KC5EVE
At 08:13 PM 7/5/2002 -0600, KC7ZRU - Tate wrote:
>OK,
>
>I've got the UIDIGI package, a prom burner (Prompro-8x) but without
>software. I'm in contact with Logical Devices, Inc to remedy that. My
>problem is in deciphering these EPROM part numbers. I read that the
>MFJ-1270 family needs a 27x256 (or 27x512 and do the pin 1 toggle)
>EPROM. However, when I search mouser.com I find nothing that matches
>either.
>
>Am I not looking for the right thing? Anyone got any blank TNC2
>compatible EPROMs they want rid of?
>
>Thanks in advance!
>
>73
>
>--
>               Casper, WY    |    CARC Repeater
>                 DN62tt      |      146.940
>         "The Dungeon" online at http://go.to/kc7zru
>             "RTFM" is NOT a 'four letter' word!
>
>---
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>Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org


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```

211. [aprssig] APRS+SA V2.14 Posted

From: "The Hildebrands" <b.hildebrand@verizon.net>
Date: Fri, 5 Jul 2002 20:09:34 -0700
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-88244-2002.07.05-22.47.52--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

```
Current version is 2.14 found in APRSPLUS214.zip
2002.07.05 V2.14
Fixed - Object description text was doubled.
Fixed - Untracked stations posit reports was not properly sorted and deleted.
Fixed - NWS data stream would produce an error.  This was fixed in Patch to v2.12
New - Settings, Config section, DeletePosFileOnStartup. Default=0.  This clears the stored last known
position for all stations on startup.
PHG - Range Circles for PHG have been reduced by 1/2 to try to better reflect range to Mobiles.


Brent Hildebrand, KH2Z

APRS+SA
http://www.tapr.org/~kh2z/aprsplus
ftp://ftp.tapr.org/aprssig/winstuff/aprsplus

[]



---
```

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Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

212. [aprssig] Re: UIDIGI for dummies

From: KC7ZRU - Tate <kc7zru@arrl.net>
Date: Fri, 05 Jul 2002 22:57:11 -0600
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-88259-2002.07.06-00.35.15--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Thanks to Chuck, Mark and John for the part # info - just what I need,
except for one detail...

Is there a minimum speed I should be looking for or can one "get away"
with using the, albeit slightly, cheaper 150ns EPROM? Looking to use in
TNC2 clones (MFJ-1270B/C, etc)

73

```
--
              Casper, WY    |    CARC Repeater
                DN62tt      |      146.940
        "The Dungeon" online at http://go.to/kc7zru
            "RTFM" is NOT a 'four letter' word!
```

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213. [aprssig] Findu records

From: Doug McFadden <kc7imr@orednet.org>
Date: Sat, 6 Jul 2002 11:46:03 -0700 (PDT)
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-88302-2002.07.06-14.33.36--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Due to an error in one of my shell scripts, I wiped my msg archieve and
can't remember how to retrieve records from the Findu database.

Help????

thanks
Doug/KC7IMR

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Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

214. [aprssig] Updated APRServe server list -- additions/updates/corrections requested

From: WA8LMF2@aol.com
Date: Sat, 6 Jul 2002 16:07:24 EDT
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-88313-2002.07.06-15.45.24--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Here is the latest version of the APRS server list I keep available for
download on my website.   All submissions/additions/updates/corrections
gratefully accepted......

This list is current as-of 4 July 2002. I will probably be posting another
updated version at:
    http://members.aol.com/wa8lmf/aprs

within 3-4 days, after I get the latest round of comments from this list and
the UI-View sig.

```
; APRServe sites Updated 4 July 2002 by  WA8LMF@aol.com
; Comment Lines begin with a ;
;"Dump" refers to cached recent past history.
; This list formatted for direct use with APRSplus.
; Copy/paste this list into the file APRServe.txt located in
;   the APRSplus\data directory
; For use with WinAPRS, delete this comment area,
; then in the remainder, find and replace colons
; and semi-colons with the "TAB" character.
; Standard APRSd port definitions at
; http://www.ntstrans.com/~ntstate/ports.html
; Direct IP addresses subject to change --
;   recommended to use only when DNS (named) access fails.
; APRSD servers can produce status report
;  Enter http://servername:14501  into your WEB browser
;
; Findu mapping is now      http://map.aprs.net/callsign
;  or                       http://second.aprs.net:8000/callsign
; www.aprs.net:23 ;RIP

first.aprs.net:23 ;First APRS Net
128.143.202.191:23 ;First APRS Net - direct IP
first.aprs.net:10151 ;Florida server w/cache dump
first.aprs.net:14579 ;Florida server LOCAL ONLY

second.aprs.net:23 ; SoCal Second APRS Net
134.173.254.38:23 ; Second APRS Net - direct IP
second.aprs.net:10151 ; SoCal server w/ cache dump
second.aprs.net:14579 ; Socal server LOCAL ONLY

third.aprs.net:10151 ;Third APRS server w/8H dump
third.aprs.net:10152 ;Third APRS server w/o dump
third.aprs.net:14579 :Third Local Data Only

ahubeast.net:14579 ;Eastern States APRS coverage (AHub)
ahubeast.net:14439 AHubEast TNC Feed
ahubeast.net:2023 ;AHub World-wide APRS Feed

ahubwest.net:2023 ;Full APRS Feed
204.118.115.12: 2023 ;Full APRS Feed - Direct IP
ahubwest.net:14579 ;Western States Regional
204.118.115.12:14579 ;Western States Regional-Direct IP
ahubwest.net:23 ;AHUBWX + Full Feed)
204.118.115.12:23 ;AHUBWX + Full Feed - Direct IP
ahubwest.com:14439 ;Local TNC only
204.118.115.158:14439 ;Local TNC Only - Direct IP

;Ahub California
ahubca.net:2023 ;Worldwide
ahubca.net:14579 ;California

ahubcentral.net:14579 ;AHubCentral Regional Feed
ahubcentral.net:14439 ;AHubCentral TNC Feed
ahubcentral.net:2023 ;AHubCentral USA Feed

;East Lansing, MI (Mich State Univ)
elansing.aprs.net:10151 ;Full Internet Feed
elansing.aprs.net:14579 ;Local Only

;Fenton MI
fenton.miaprs.net:10151 ;Full Internet Feed
fenton.miaprs.net:10152 ;Full Internet Feed w/o cache dump
fenton.miaprs.net:10151 ;Local RF Only
65.170.9.12:10151; Full Internet Feed - Direct IP


ahubin.d2g.com:2023  ;Full Internet Feed
ahubin.d2g.com:14439 ;Local (Indiana) RF Only
ahubin.d2g.com:14579 ;Indiana and neighboring states only
ahubin.d2g.com:14580 ;Satellite Data

aprsdcsp.antelope.net:10151 ;FULL - Rocky Mtn regional server in Casper WY
aprsdcsp.antelope.net:10152 ;FULL w/o cache dump (current only)
aprsdcsp.antelope.net:14579 ;Local

;Tucson, AZ server
packet.kvoa.com:10151 ;Full feed
packet.kvoa.com:14580 ;Local (Tucson) feed

;Northwestern US - Southwestern Canada -- Presumably normal aprsD ports
linus.chemeketa.edu:10151 ;Salem, OR  aprsd-CCC
208.194.173.138:10151 ;Redmond, WA  aprsdRDM
the.hams.net:10151 ;Portland4,OR aprsdPDX
calgary.canaprs.net:10151 ;Calgary, Alberta aprsdYYC
206.186.216.155:10151 ;Winnipeg, Manitoba aprsdYWG

jnos.org:10152 ;Redmond, WA aprsdRDM  WW messages and PNW local
jnos.org:14579 ;Redmond, WA aprsdRMD  Local RF

;Northern Europe
ahubswe.net:2023 ;AHubSwe World-wide APRS Feed
ahubswe.net:14579 ;AHubSwe Nordic APRS Feed

;Germany
db0lj.dyndns.org:10153 ;European Traffic
db0lj.dyndns.org:1313 ;German/Local Traffic

;Australia APRS servers
aprs.net.au:23 ;Main Australian APRS Network Server
aprs.net.au:10151
aprs.net.au:10152
aprs.cloud.net.au:10151 ;VK3SB Victorian (VK3) APRS Server
aprs.cloud.net.au:10152 ;VK3SB

rotate.aprs.net:10151 ;Rotating APRServe w/ dump
rotate.aprs.net:23 ;Rotating APRServe w/o dump (current only)

aprserve.dididahdahdidit.com:10151 ;Random aprsd server w/ cache dump
aprserve.dididahdahdidit.com:10152 ;Random aprsd server w/o cache dump
aprsdmsp.dididahdahdidit.com:10151 ;Andover, MN
aprsdcho.dididahdahdidit.com:10151 ;Charlottesville, VA
aprsdorl.dididahdahdidit.com:10151 ;Orlando, FL
aprsdcle.dididahdahdidit.com:10151 ;Cleveland, OH
aprsdlan.dididahdahdidit.com:10151 ;E Lansing, MI
aprsdmtl.dididahdahdidit.com:10151 ;Montreal, QU
aprsddfw.dididahdahdidit.com:10151 ;Denton, TX
aprsdmia.dididahdahdidit.com:10151 ;Miami, FL (aprserver)
aprsdmsn.dididahdahdidit.com:10151 ;Madison, WI
aprsdsao.dididahdahdidit.com:10151 ;Sao Paulo, Brazil
aprsdtus.dididahdahdidit.com:10151 ;Tucson, AZ
aprsdden.dididahdahdidit.com:10151 ;Denver, CO
aprsdatl.dididahdahdidit.com:14579 ;Atlanta, GA (local only)
aprsdaly.dididahdahdidit.com:14579 ;Albany, NY (local only)

;END List
```

```
Stephen H. Smith                   wa8lmf @ aol.com
Home Page:
http://members.aol.com/wa8lmf
Ham Radio/Mobile SSTV page:     http://members.aol.com/wa8lmf/ham
APRS Stuff
http://members.aol.com/wa8lmf/aprs
-----------------------------------------------------------------------------

----------
|    Radio Communications Systems       Personal Computers
|                Consulting and Systems Integration
|    GPS Custom Mapping    &     Radio Coverage Surveys
|    File Conversions       MS-Windows Setups       VISCII Fonts
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---

215. [aprssig] Fw: 9600 Baud on 145.825

From: "Eric Christensen, KF4OTN" <kf4otn@cox.net>
Date: Sat, 6 Jul 2002 17:46:51 -0400
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-88334-2002.07.06-17.25.48--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

If anyone has the ability to receive 9600 baud on 145.825, please monitor on this next pass and during the afternoon tomorrow. KF4OTN-12 will be operating on the 70cm side of PCSAT for the next day. If anyone else can setup their systems to transmit on 435.250 at 9600 baud, lets see what happens over the next couple of days and check the system!

73s,
Eric KF4OTN

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To unsubscribe send a blank email to leave-aprssig-842K@lists.tapr.org
Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

216. [aprssig] Re: Fw: 9600 Baud on 145.825

From: "Brandon Cole" <brandonacole@yahoo.com>
Date: Sat, 6 Jul 2002 17:26:4
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-88336-2002.07.06-18.04.03--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

I just finished transmitting (435.25) and receiving (145.825) 9600 baud
tests during the PCSat pass from about 2140z to 2155z (06 JUL 02.) My
location is Canyon, TX (DM94), and I was using a path of W3ADO-2, as WB4APR
indicated. I had two stations set up, a TH-D7 and laptop, and a TM-D700
and pc, both running APRSTK. I was using the program mainly as just an
output viewer, but also as a satellite location reference. I tuned both
radios manually for doppler. Transmitting at full UHF power with the D700,
I never did see my own digipeated packet, or any other packet, on either
system. I did, however, hear a 9600 baud "swish", as was described
earlier, after three of my at least a dozen transmit attempts, each at
approximately 2043z, 2050z, and 2052z. PCSat was at low elevations at each
of those times, so if I did reach the digi it was no doubt due to the omni
antennas I was using (its all I have right now.) I know I was receiving
good because I heard plenty of 1200 baud activity during most of the pass.
I will try again tomorrow and listen for KF4OTN and anyone else tomorrow.

On a slightly different subject, what, besides the obvious good receive
antenna, software(APRSTK?), and full-time internet connection, would be
required to get a satellite gateway running for UO-22, or for another
satellite that might need one? I would be willing to try it out, although
it might take some time to get all of that set up.

Brandon
AD5ER

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Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

217. [aprssig] RE: APRServe is not the network -- only the list name!

From: WA8LMF2@aol.com
Date: Sat, 6 Jul 2002 19:02:50 EDT
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: k4hg@tapr.org
Message-ID: <LYR842-88338-2002.07.06-18.40.49--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

In a message dated 7/6/02 1:30:43 PM Pacific Daylight Time, k4hg@tapr.org
writes:

> Please don't call this the APRServe list, it is confusing. APRServe is a
> Macintosh
> program I wrote, the original hub program. You should be calling this the
> "APRS Internet System" (or APRS IS) list, the correct term for the entire
> system,

I've got a dilemma then. The default name for this list, as distributed with
the APRSplus program, is "APRServe.txt" complete with the mixed-case
naming. The name is hardwired into the program; I guess Brent was reluctant
to get away from the classic DOS/Win3x 8.3 naming convention.   Since I
orignally started collecting all known servers to add to the list for this
particular program, I just retained the name.

I suppose I could label the link "APRS Internet Server List" but retain
APRServe.txt as the actual filename.

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218. [aprssig] RE: Updated APRS server list -- additions/updates/corrections requested

From: WA8LMF2@aol.com
Date: Sat, 6 Jul 2002 19:04:40 EDT
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-88339-2002.07.06-18.43.37--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

In a message dated 7/6/02 1:15:00 PM Pacific Daylight Time, spider@rivcom.net writes:

> Out dated!
>
> Jim

Then submit some updates! That's purpose of my posting the thing!!!!

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---

219. [aprssig] Re: PCsat 9600 baud experiments!

From: Bob Bruninga <bruninga@usna.edu>
Date: Sat, 6 Jul 2002 20:02:34 -0400 (EDT)
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: Robert Bruninga <bruninga@usna.edu>
Message-ID: <LYR842-88343-2002.07.06-19.40.45--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Don WB5EKU Reports PCsat 9600 baud bandwidth test results:

> Bob,
> Here is what I got during an overhead pass at 22:07 UTC over Los Angeles
> using a dual band arrow and TH-D7(g) HT:
>
> * Starting at 2.5 deg I had no response on either 435.230 or 435.270.
> * At 20 degrees I started hearing responses to 435.240.
> * By 30 deg the D7 began to decode and .240 & .250 worked equally well
> * At max EL, .240 ceased working but .250 worked on down to 30 deg
> * Also at max EL .260 began to work and was good down to 15 deg when the
>   D7 no longer decoded any packets though I could still hear them.
>
> My elevation estimates are less then perfect as I was holding the
> antenna with one hand and the HT with the other while changing
> frequencies. I was suprised that the bird worked as well as it did thru
> this pass on 9600 baud. For about 30% of the pass the 1200 baud modem
> was makeing quite a weird noise along with the packets it would
> transmitt. It did not seem to affect the 9600 baud modem.
>
> Hope this helps with your experiment.
> PCsat is a great bird, thanks for all of your hard work on her.
> 73
> Don WB5EKU

Well, this is very good data! Thanks! This appears to suggest:

1) the receiver is still centered on 435.250 as designed
2) The wideband mod to the receiver seems to tolerate as much as +/- 5 KHz easily, but not a full 10 KHz turning error. Thus the receiver might work routinely with - 5KHz setting at first half of pass and then a one-step switch to + 5KHz at middle to end. THus a TWO step tuning instead of the exact 5 step processes needed for a narrowband receiver.

Things to try next:

Maybe the loss of DECODE at low elevations was due to doppler on the 2m downlink. So since PCsat is centered at 145.827 or .828, then set the downlink to 145.830 at start of pass and switch to 145.825 towards end.

If my above assessment is correct, then at AOS, the receiver bandedge might be 435.235 up to 435.245 and at LOS be 435.255 to 435.265

But your data appears to support our design objective that a FIXED station at 435.250 should work for the center half of a pass without having to make any adjustments for Doppler. and since we designed for Mobiles, who cannot really see much of the sky at AOS and LOS, this seems about right.

I really appreciate your taking this data in the true experimental spirit
of HAM radio. I cannot do it easily, becasue I have to be commanding
PCsat during my passes and since I use a full-blown OSCAR array, it does
not give me realistic data on what the design user experiences.

PCsat by default will have its UHF RX on, so everyone is welcome to
continue experimenting.

```
Uplink    435.250 -/+ 10 KHz Doppler
Downlink  145.828 +/-  3 KHz Doppler
VIA W3ADO-2
```

de WB4APR, Bob

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220. [aprssig] RE: APRServe is not the network -- only the list name!

From: Steve Dimse <k4hg@tapr.org>
Date: Sat, 6 Jul 2002 20:11:37 -0400
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-88344-2002.07.06-19.49.38--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

> In a message dated 7/6/02 1:30:43 PM Pacific Daylight Time, k4hg@tapr.org
> writes:
>

First of all, it is considered extremely rude to take a private email,
change the title, and send it to a public email list. There really was
not a need to make this public, I simply expected that you would fix
the incorrect language for the next release, rather than try to start a
public discussion, but since you chose to, I guess I should reply
publicly as well.

> > Please don't call this the APRServe list, it is confusing. APRServe is a
> > Macintosh
> > program I wrote, the original hub program. You should be calling this the
> > "APRS Internet System" (or APRS IS) list, the correct term for the entire
> > system,
>
> I've got a dilemma then. The default name for this list, as distributed with
> the APRSplus program, is "APRServe.txt" complete with the mixed-case
> naming. The name is hardwired into the program; I guess Brent was reluctant
> to get away from the classic DOS/Win3x 8.3 naming convention.   Since I
> orignally started collecting all known servers to add to the list for this
> particular program, I just retained the name.
>
> I suppose I could label the link "APRS Internet Server List" but retain
> APRServe.txt as the actual filename.
>

The problem is that there is a lot of confusion about what APRSserve is
and what the APRS IS is, I've spent a lot of time trying to make it
clear. The files can be called whatever the program expects, but when
discussing the system, and most certainly in files intended to be used
as references, I think it is important to use the correct and
unambiguous terminology.

Steve K4HG

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221. [aprssig] RE: APRServe is not the network -- only the list name!

From: "Dick Stanich" <dick@kb7zva.com>
Date: Sat, 6 Jul 2002 20:38:46
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-88354-2002.07.06-21.16.46--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Since WinAPRS uses aprserve.txt as the actual file. Maybe the name should
be the 'APRSERVE.TXT LIST'.

```
My updated APRSERVE.TXT info... APRSWEST aka AHUBWEST

APRSWEST (Using javAPRSSrvr) Updated 7/6/02
aprswest.net:10152 ;Full APRS Feed - Main Port
aprswest.net:10151 ;Full APRS Feed - with 30 min. Dump
aprswest.net:1313 ;Link Port - Full Feed - Read Only
aprswest.net:1314 ;Full APRS Feed - Message Only
aprswest.net:14579 ;APRSWESTR Western States Regional Port
aprswest.net:10153 ;APRSWESTR Western States - with 30 min. Dump

CWOP/Weather Server (No IGates Please)
aprswest.net:23 ;APRSWESTX CWOP/WX Primary Server
aprswest.net:10153 ;APRSWESTX CWOP/WX - with 30 min. Dump
ahubca.net:23 ;CAWXBAK CWOP/WX Secondary Server

APRSWEST HTML Status Ports
http://aprswest.net:14501 Main Port
http://aprswest.net:14601 Regional Port
http://aprswest.net:14701 CWOP Port

APRSWEST JAVA Display
http://java.kb7zva.com
APRSWEST WEB SITE
http://kb7zva.com

Dick, KB7ZVA

---
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```

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222. [aprssig] Garmin GPS-35 and Kenwood D7A problems???

From: "Robert Sutton" <rsutton@blarg.net>
Date: Sat, 6 Jul 2002 19:02:08 -0700
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-88355-2002.07.06-21.40.01--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

```
Greetings listers!

I am trying out a Garmin GPS-35 with a Kenwood D7A.

Everything works BUT,

The little two-tone beep the kenwood makes when it detects a "lock" from the
GPS? It keeps beeping every 15 or 20 seconds.

The "decimals" flash as if it has a lock all the time (they never go
"solid").

It is almost as if the GPS-35 transmits some "lock" data periodically and
the kenwood interprets it as a "new lock".

Having the kenwood beep so often will get annoying really fast!

Anyone experienced this before?

Thanks!

Robert
KD7DPU
Anacortes, WA




---
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```

---

223. [aprssig] cheap GPS

From: Ken Cechura <kcechura@umr.edu>
Date: Sat, 06 Jul 2002 09:22:28 -0700
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-88357-2002.07.06-21.53.59--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

building tracker-in-a-box. have radio and TTII. don't have GPS. what's
the cheapest GPS i can get that will work for this?

thanks
Ken

```
    ||==============================||
     //   Kenneth R. Cechura, KC9UMR   \\
    //        kcechura@umr.edu          \\
    \\     Station Trustee, KF9ART      //
     \\     Freq Amateur Radio Team    //
      ||==============================||
```

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---

224. [aprssig] RE: Garmin GPS-35 and Kenwood D7A problems???

From: "Lee Inman" <leei@att.net>
Date: Sat, 6 Jul 2002 20:34:00 -0600
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-88359-2002.07.06-22.11.37--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

> Everything works BUT,
>
> The little two-tone beep the kenwood makes when it detects a "lock"
from
> the
> GPS? It keeps beeping every 15 or 20 seconds.
>
> The "decimals" flash as if it has a lock all the time (they never go
> "solid").
>
> It is almost as if the GPS-35 transmits some "lock" data periodically
and
> the kenwood interprets it as a "new lock".
>
> Having the kenwood beep so often will get annoying really fast!
>

If I recall correctly, the constant flashing indicates a good lock.
Worry when it stops. As for the beeps, I imagine that you have the
setting that tells the unit to beep for every packet received turned on.
You can set that to beep for all, only for new stations, just for yours,
or none.

Regards,

Lee K0QED

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Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

---

225. [aprssig] RE: Garmin GPS-35 and Kenwood D7A problems???

From: "Robert Sutton" <rsutton@blarg.net>
Date: Sat, 6 Jul 2002 20:00:12 -0700
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-88363-2002.07.06-22.38.07--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

No, that is not it.

It is definately the "good lock" beep (two tones low-high, it is not the
"mine beep" two tones high-low). I have it set for "mine", which, AFAIK,
does not affect the behavior of the "bad lock" and "good lock" beeps

I WANT the this beep to stop, otherwise, at every 15 to 20 seconds, it will
drive me crazy.

The GPS III+ DOES NOT cause this.

-Robert

KD7DPU

> -----Original Message-----
> From: bounce-aprssig-26989@lists.tapr.org
> [mailto:bounce-aprssig-26989@lists.tapr.org]On Behalf Of Lee Inman
> Sent: Saturday, July 06, 2002 7:34 PM
> To: TAPR APRS Special Interest Group
> Subject: [aprssig] RE: Garmin GPS-35 and Kenwood D7A problems???
>
>
>
> > Everything works BUT,
> >
> > The little two-tone beep the kenwood makes when it detects a "lock"
> from
> > the
> > GPS? It keeps beeping every 15 or 20 seconds.
> >
> > The "decimals" flash as if it has a lock all the time (they never go
> > "solid").
> >
> > It is almost as if the GPS-35 transmits some "lock" data periodically
> and
> > the kenwood interprets it as a "new lock".
> >
> > Having the kenwood beep so often will get annoying really fast!
> >
>
> If I recall correctly, the constant flashing indicates a good lock.
> Worry when it stops. As for the beeps, I imagine that you have the
> setting that tells the unit to beep for every packet received turned on.
> You can set that to beep for all, only for new stations, just for yours,
> or none.
>
> Regards,
>
> Lee K0QED
>
>
> ---
> You are currently subscribed to aprssig as: rsutton@blarg.net
> To unsubscribe send a blank email to leave-aprssig-842K@lists.tapr.org
> Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org
>

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226. [aprssig] RE: Garmin GPS-35 and Kenwood D7A problems???

From: "AE5PL Lists" <HamLists@ametx.com>
Date: Sat, 6 Jul 2002 22:30:43 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-88366-2002.07.06-23.08.41--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Try connecting the GPS-35 to a computer and disable all of the Garmin proprietary strings. I did that with mine which is connected to a D700 and it works great.

Hope that helps.

73,

Pete Loveall AE5PL
http://www.ae5pl.net
mailto:pete@ae5pl.net

> -----Original Message-----
> From: Robert Sutton [mailto:rsutton@blarg.net]
> Posted At: Saturday, July 06, 2002 10:02 PM
> Subject: [aprssig] RE: Garmin GPS-35 and Kenwood D7A problems???
>
> It is definately the "good lock" beep (two tones low-high, it
> is not the
> "mine beep" two tones high-low). I have it set for "mine",

```
> which, AFAIK,
> does not affect the behavior of the "bad lock" and "good lock" beeps
>
> I WANT the this beep to stop, otherwise, at every 15 to 20
> seconds, it will
> drive me crazy.

---
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```

227. [aprssig] Precision Mapping and XP

From: "Koy" <k5koy@lubb.net>
Date: Wed, 3 Jul 2002 21:37:52 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-88370-2002.07.06-23.21.18--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

```
Is anyone out there able to get the pmap.ocx to load on a win xp system? It
opens right up on 95 or 98, but get a error trying on xp. Also, what
external wx monitoring software are any of you using with +SA? I have a Peet
U2000 I use on winaprs, but need help getting it to work on +SA..Thanks for
any help..Koy-K5KOY

Koy Carson, West Texas

If you are not seeing this message, contact your ISP IMMEDIATLY.


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```

228. [aprssig] ICOM has digital voice idea

From: "Andrew Rich" <andrew.rich@bigpond.com>
Date: Sun, 7 Jul 2002 17:22:27 +1000
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-88394-2002.07.07-03.00.40--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

```
http://www.tapr.org/tapr/dv/DStar%20brochure.pdf

-------------------------------------------
Andrew Rich
Callsign: VK4TEC
andrew.rich@bigpond.com
www.users.bigpond.com/andrew.rich/vk4tec.htm

---
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```

229. [aprssig] Overlapping digipeater

From: Adi Linden <adil@adis.on.ca>
Date: Sun, 7 Jul 2002 10:10:45 -0500 (CDT)
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-88421-2002.07.07-10.48.44--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

```
Hi,

I have a digipeater and igate where I have internet access but limited
range. Now I wish to place another digipeater on a tower on a hilltop.
Unfortunately that hilltop location doesn't have network access. Therefore
I will have to keep the igate where it is, even though its coverage area
is included within the hilltop digipeater.

What's the best way to set this up so everything the hilltop digipeater
hears is received and relayed by the igate? What do I do for stations that
are within reach of both digipeaters?

Thanks,
Adi
VA3ADI
```

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230. [aprssig] Re: ICOM has digital voice idea

From: "Brandon Cole" <brandonacole@yahoo.com>
Date: Sun, 7 Jul 2002 10:32:51
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-88424-2002.07.07-11.10.51--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

It looks like a great idea, but also a very expensive one. I would like to see new ideas that try to incorporate the existing voice repeater and/or digipeater infrastructure. I haven't been able to find much documentation about them, but the new Alinco radios that are digital-voice capable look promising, at least on paper. Perhaps APRS could be incorporated into a digital-voice data stream, which could then be used on the plethora of 2m/70cm voice repeaters, after modification (if that is possible). Its already possible to incorporate APRS over an existing repeater with MIC-E, but there doesn't seem to be too much of a desire to go in that direction, and that approach wouldn't lend well to growth. The digital approach would be better for many reasons. Perhaps in another 15-20 years there could be a 10GHz backbone network for voice and data. The thing about the D-STAR plan that bothers me is the idea of internet access. I hope they are thinking of ham applications (such as APRS gateways and the like), and not just web surfing. I think the FCC would have something to say about the latter.

Brandon
AD5ER

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231. [aprssig] Weather Display

From: "Alan Heaberlin" <amh@QNET.COM>
Date: Sun, 7 Jul 2002 08:38:14 -0700
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: "TAPR APRS Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-88426-2002.07.07-11.15.59--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Koy Carson Wrote:
>Subject: Precision Mapping and XP
>From: "Koy" <k5koy@lubb.net>
>Date: Wed, 3 Jul 2002 21:37:52 -0500
>X-Message-Number: 16

>Is anyone out there able to get the pmap.ocx to load on a win xp system? It
>opens right up on 95 or 98, but get a error trying on xp. Also, what
>external wx monitoring software are any of you using with +SA? I have a
Peet
>U2000 I use on winaprs, but need help getting it to work on +SA..Thanks for
>any help..Koy-K5KOY

>Koy Carson, West Texas

Koy,
Try Weather Display, its fairly priced, the author gives tremendous support
and it works with every weather station hardware I know of.
http://www.weather-display.com/
I have been using it with APRS+SA and Dallas 1-Wire sensors for about 2
years now. I recommend it highly.
Alan Heaberlin W6AMH

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232. [aprssig] APRS SIG archive?

From: "Brandon Cole" <brandonacole@yahoo.com>
Date: Sun, 7 Jul 2002 11:2:44

To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-88434-2002.07.07-11.40.44--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

I've noticed that there is only a month of previous posts available to see.
 Is there an archive somewhere else on the site, or is that data gone
forever?

---
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To unsubscribe send a blank email to leave-aprssig-842K@lists.tapr.org
Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

233. [aprssig] Re: cheap GPS

From: "Jason Rausch" <ke4nyv@msn.com>
Date: Sun, 7 Jul 2002 11:46:34
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-88438-2002.07.07-12.24.31--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

If you want the GPS to be contained inside of the box, then somthing like a
Motorola Oncore unit like the one TAPR sells is the way to go, just mount
an anttenna jack (such as BNC) on the outside of the box. If you arn't too
worried about that, I would go the Garmin eTrex route. The basic yellow
eTrex can be had for around $99 or so on www.amazon.com or several other
online GPS dealers. You can also check WalMart and other stores like that.
 I just recently built a TT2 for a friend and I told him to get the Yellow
eTrex and it works great.

73's
Jason KE4NYV
www.ke4nyv.com

---
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234. [aprssig] Re: TinyTrak II - Garmin GPSII+ Wiring

From: "Jason Rausch" <ke4nyv@msn.com>
Date: Sun, 7 Jul 2002 11:53:9
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-88440-2002.07.07-12.31.17--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Just for kicks, check out my TT's on my page at http://www.ke4nyv.com
(TinyTrak section). I have built two of my own and two for others. The to
I built for someone else are identical to the unit at the bottom of the
page. It's a RadioShack project box and with a bit of trimming on the PCB
or careful grinding with a Dremel, it fits perfect.

73's
Jason KE4NYV
www.ke4nyv.com

---
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To unsubscribe send a blank email to leave-aprssig-842K@lists.tapr.org
Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

235. [aprssig] NWS shapefiles.

From: "Koy" <k5koy@lubb.net>
Date: Thu, 4 Jul 2002 10:50:21 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-88441-2002.07.07-12.33.58--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Ok, hope this goes better than my last question.
I have been trying to get the NWS Shapefiles to work with my winaprs 2.5.1.,
but when I recieve advisories I get an error message that states Global
labels failed to allocate, or something to that nature. In my winaprs
directory I have created a folder called NWSshape and downloaded and
unzipped the following files from the following page.
County Warning Areas Everyone should have this one. It is the outlines for
the County Warning Areas, there are only 121 of these.

AWIPS Counties These are the county outlines for 3232 counties including
Alaska, Hawawii, Peurto Rico, and Guam.

Zone Forecast Areas These are warning zones, which are similar in size to
counties but have different boundries.

Are these the right files? From this site:
http://isl715.nws.noaa.gov/mapdata/newcat/
Any indepth help on this would be appreciated..
Thanks

Koy Carson, West Texas

If you are not seeing this message, contact your ISP IMMEDIATLY.

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---

236. [aprssig] Re: Overlapping digipeater

From: KC7ZRU - Tate <kc7zru@arrl.net>
Date: Sun, 07 Jul 2002 11:24:18 -0600
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: TAPR APRS Special Interest Group <aprssig@lists.tapr.org>
Message-ID: <LYR842-88442-2002.07.07-13.02.19--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Setup the 'hilltop' as a RELAY WIDEn-n (etc.) digi

Setup your I-gate as a RELAY digi, or just as an I-gate with no digi.

73

Adi Linden wrote:
>
> Hi,
>
> I have a digipeater and igate where I have internet access but limited
> range.

--
Casper, WY | CARC Repeater
DN62tt | 146.940
"The Dungeon" online at http://go.to/kc7zru
"RTFM" is NOT a 'four letter' word!

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---

237. [aprssig] Need Help with a packet station.

From: Anthony Ferguson <spider24112@yahoo.com>
Date: Sun, 7 Jul 2002 11:33:05 -0700 (PDT)
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-88446-2002.07.07-14.11.07--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Hello To All.

I have a problem, I hope that someone can help me with. I have been trying to get packet running on my pc using the sound card. Here is my set up and programs I am using. The computer is a HP 7840 and sound card is sound blaster PCI 128. I have downloaded both AGWPE Version 2002.10 and WinAprs Version 2.4.6.

I have something working correctly because once I start the AGW program and WinAPRS up and running and go through all the things needed to get APRS functional such as going to settings and ports list highlight AGW on local click open, I see that it is active and also the version is in the comments field . Then I set up my station information call sign lat/long info . I see my station of the map which I am using Midalantic map. I see my call sign and can see packet burst on the bottom of my screen. which means that I can receive and that is all.Also I have tried to open up the VHF PORT and I get a popup saying PORT FAILED TO OPEN.

I press the f2 key and here is what happens. I see that the AGW TNC icon displays a red pixel which indicates TX , The interface which is a RASCAL interface by K4ABT Buck Rogers , it's LED red lite comes on showing a TX signal. My radio ICOM 706MK2G doesn't transmit at all when the f2 key is depressed. ALL I CAN DO IS RECIEVE HELP!!!!!

Do You Yahoo!?
New! SBC Yahoo! Dial - 1st Month Free & unlimited access

238. [aprssig] Re: Overlapping digipeater

From: Dick Reichenbach <dreichen@columbus.rr.com>
Date: Sun, 07 Jul 2002 14:39:25 -0400
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-88447-2002.07.07-14.15.53--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

How about this setup? http://dayton.aprs.net/magic.html

A basic synopsis of this link is that the hilltop digi would do it's
regular
work as a digi, and route all the packets onto a UHF network. The Igate
at
your house only hears the UHF network, and igates that information to
the
internet.

Adi Linden wrote:

> Hi,
>
> I have a digipeater and igate where I have internet access but limited
> range. Now I wish to place another digipeater on a tower on a hilltop.
> Unfortunately that hilltop location doesn't have network access. Therefore
> I will have to keep the igate where it is, even though its coverage area
> is included within the hilltop digipeater.
>
> What's the best way to set this up so everything the hilltop digipeater
> hears is received and relayed by the igate? What do I do for stations that
> are within reach of both digipeaters?
>
> Thanks,
> Adi
> VA3ADI
>
> ---
> You are currently subscribed to aprssig as: dreichen@columbus.rr.com
> To unsubscribe send a blank email to leave-aprssig-842K@lists.tapr.org
> Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

---
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Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

239. [aprssig] HK-21 Pocket Packet

From: "K.Paul Boggs" <ab6wu@earthlink.net>
Date: Sun, 7 Jul 2002 11:47:11 -0700
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-88449-2002.07.07-14.26.18--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

I have a working HK-21. What advantage do I gain
with the $50.00 software update ??. Thinking of building
a small portable APRS unit. ANY input welcome
Paul

--- K.Paul Boggs
--- ab6wu@earthlink.net
--

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Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

240. [aprssig] Re: HK-21 Pocket Packet

From: "Bob K8YS & Janet N8LBR" <jbcraft@adelphia.net>
Date: Sun, 7 Jul 2002 15:42:58 -0400
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-88452-2002.07.07-15.23.36--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Paul,
When you find out, please let me know, I have the TASCO version that says
AOR on the front -- exactly like the HK-21 except for the radio connector --
mine is a mini-din instead of an RJ11 type.

Bob

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Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

241. [aprssig] Re: APRS SIG archive?

From: Stan Horzepa <stanzepa@earthlink.net>
Date: Sun, 07 Jul 2002 18:20:46 -0400
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-88458-2002.07.07-17.58.49--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

The SIG archives from December 1994 to July 2002 are available. Go to
http://www.tapr.org/tapr/html/sigf.html and select the Search/Find APRS SIG
link in the lefthand frame.

Stan, WA1LOU

On 07/07/02 11:00, "Brandon Cole" <brandonacole@yahoo.com> wrote:

> I've noticed that there is only a month of previous posts available to see.
> Is there an archive somewhere else on the site, or is that data gone
> forever?
>
> ---
> You are currently subscribed to aprssig as: stanzepa@earthlink.net
> To unsubscribe send a blank email to leave-aprssig-842K@lists.tapr.org
> Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org
>

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Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

242. [aprssig] Re: APRS SIG archive?

From: "Dennis Hudson, N2LBT" <n2lbt@n2lbt.com>
Date: Sun, 07 Jul 2002 21:01:11 -0400
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-88472-2002.07.07-20.39.14--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

http://www.tapr.org/cgi-bin/wilma/aprssig

This could really cut down on bandwidth here on the sig. Maybe even add this
to the tagline from the mailer. I've been on the sig a few years, and we
often see the same question asked time and time again. I find my self very
often going back and quoting a previous sig post to answer questions here.

In comparison this is a gentle group compared to other groups I monitor.
There is often public flogging for asking the same question some one just
asked. I will have to play with this search engine a bit.

Dennis, N2LBT

>> I've noticed that there is only a month of previous posts available to see.
>> Is there an archive somewhere else on the site, or is that data gone
>> forever?
>>

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243. [aprssig] Re: APRS SIG archive?

From: "Brandon Cole" <brandonacole@yahoo.com>
Date: Sun, 7 Jul 2002 20:53:8

To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-88475-2002.07.07-21.31.10--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Great! Thanks for the info, everyone.

Brandon
AD5ER

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---

244. [aprssig] eTrex help? [was: cheap GPS]

From: "Ev Tupis (W2EV)" <w2ev@arrl.net>
Date: Sun, 07 Jul 2002 22:55:55 -0400
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-88489-2002.07.07-22.36.35--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Jason Rausch wrote:
>
> If you want the GPS to be contained inside of the box, then somthing like a
> Motorola Oncore unit like the one TAPR sells is the way to go, just mount
> an anttenna jack (such as BNC) on the outside of the box. If you arn't too
> worried about that, I would go the Garmin eTrex route. The basic yellow
> eTrex can be had for around $99 or so on www.amazon.com or several other
> online GPS dealers. You can also check WalMart and other stores like that.
> I just recently built a TT2 for a friend and I told him to get the Yellow
> eTrex and it works great.

I'm truly sorry for bringing this up...I vaguely remember a thread about the
trials and tribulations of interfacing an eTrex to a TNC or something like
that. Could someone refresh my memory on this, please? Maybe I'm confusing
this with an Earthmate?

Ev, W2EV

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---

245. [aprssig] RE: HK-21 Pocket Packet

From: "Rich Garcia" <k4gps@bellsouth.net>
Date: Sun, 7 Jul 2002 23:32:15 -0400
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-88491-2002.07.07-23.09.33--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

If memory serves me correctly that may be a PacComm Compatable TNC and would
use the
HandyPacket firmware which would allow it to be used stand alone with a TNC.
It has been a
few years since I have heard of the beast so I am a bit foggy. The
HandyPacket firmware was/is
a fine tracker, I have one myself.

Rich

-----Original Message-----
From: bounce-aprssig-19959@lists.tapr.org
[mailto:bounce-aprssig-19959@lists.tapr.org]On Behalf Of K.Paul Boggs
Sent: Sunday, July 07, 2002 2:47 PM
To: TAPR APRS Special Interest Group
Subject: [aprssig] HK-21 Pocket Packet

I have a working HK-21. What advantage do I gain
with the $50.00 software update ??. Thinking of building
a small portable APRS unit. ANY input welcome
Paul

--- K.Paul Boggs
--- ab6wu@earthlink.net
--

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246. [aprssig] Re: HK-21 Pocket Packet

From: greg@clubnet.net
Date: Sun, 7 Jul 2002 21:55:09 -0700
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-88502-2002.07.08-00.34.02--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

I assume you are referring to the Paccomm ROM upgrade for the HK-21.

This ROM upgrade brings the HK-21 up to version 5 of Paccomm firmware, which is their most recent. It includes commands and features which support APRS operation in both tracker and digipeater configurations. While it does does not support WIDEn-N and TRACEn-N digipeater operation, it does support TRACE digipeating and callsign substitution.

Is it worth the $50 upgrade cost? It depends on what you plan on using it for. If you're just using it in a fixed station with an APRS application, it will probably be OK as is. However, if you plan on using it with a GPS receiver in a tracker configuration or as part of an APRS digipeater, than the upgrade is a must.

Greg
WB6ZSU

On Sunday, July 7, 2002, at 11:47 AM, K.Paul Boggs wrote:

> I have a working HK-21. What advantage do I gain
> with the $50.00 software update ??. Thinking of building
> a small portable APRS unit. ANY input welcome
> Paul
>
>
> --- K.Paul Boggs
> --- ab6wu@earthlink.net

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247. [aprssig] For Sale: Garmin 45 GPS Receiver

From: "Brian P. Mileshosky" <n5zgt@swcp.com>
Date: Sun, 7 Jul 2002 23:24:46 -0600
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-88505-2002.07.08-01.03.33--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Hi All,

I have for sale a Garmin 45 8-channel GPS receiver, in excellent shape (physically and operational), with original box and manual. It does have an NMEA port for APRS operation, as well as 250 waypoint memories. It only receives 8 satellites, as it is an older unit. This was my first GPS receiver, and I've kept it around as a spare to my Garmin 12XL. Rather than letting it sit, though, I'm thinking someone might be able to put it to use. I will be happy to part with it for $30 as well as the cost of shipping to your doorstep. Please email me if interested.

73,

```
Brian, N5ZGT
  _________________________________________________________________
   Amateur Radio Station N5ZGT - N5ZGT PBBS, 145.01 MHz
   ARRL Life Member, NorCal #1700 QRP-L #580 AK/QRP #125

   Boy Scouts of America - Eagle Scout 12/6/96 - ASM, Troop 85
   Vigil Honor Member, O.A. Lodge 66 Yah-Tah-Hey-Si-Kess

   Please visit my site at http://www.unm.edu/~brianm
  _________________________________________________________________



---
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```

248. [aprssig] Re: eTrex help? [was: cheap GPS]

From: Bill Herrmann <bherrman@spro.net>
Date: Sun, 07 Jul 2002 23:26:11 -0600
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-88506-2002.07.08-01.04.09--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

```
At 10:55 PM 7/7/02 -0400, Ev Tupis (W2EV) wrote:
>trials and tribulations of interfacing an eTrex to a TNC or something like
>that.  Could someone refresh my memory on this, please?  Maybe I'm
>confusing this with an Earthmate?

Probably so. The Earthmate only puts out Rockwell Binary or something like
that. The eTrex can be set for NMEA out.

You're much better off to buy the third party plug or cable. Garmin is very
proud of their data cable. I got a very nicely built cable for $15 or so.

The only other oddity I can think of is that the eTrex is rumored to be
VERY picky about the voltage supplied. (I've only used mine on battery to
date, since I have other non-display GPS units for APRS use.)

HTH
Bill



---
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```

249. [aprssig] FS: Cheap APRS Transceiver

From: "Brian P. Mileshosky" <n5zgt@swcp.com>
Date: Sun, 7 Jul 2002 23:32:27 -0600
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-88507-2002.07.08-01.11.16--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

```
Hi All,

    I have for sale a great 2-meter transceiver that can be dedicated for
APRS use, or used as a spare 2-meter rig.  It is a Ramsey M146FX 2-meter
transciever, built from kit form, that puts out ~5 watts.  It has 12
diode-programmable channels (for simplex or repeater operation), and
includes the instruction/service manual.

    I am willing to part with it for $45 as well as the cost of shipping to
your doorstep.  Physically it is in excellent shape, though it does need a
quick bit of tuning, as the transmitter either outputs 5 watts or less than
1 watt intermittently.  I'm thinking it is just a cold solder joint, though
I have not had time to troubleshoot, nor am I anticipating time in the
future.  Rather than letting it sit, perhaps someone here might want to make
a quick fix and have a great APRS rig! Please email me if interested.

73,
Brian, N5ZGT
Albuquerque, NM
  _________________________________________________________________
   Amateur Radio Station N5ZGT - N5ZGT PBBS, 145.01 MHz
   ARRL Life Member, NorCal #1700 QRP-L #580 AK/QRP #125
   Boy Scouts of America - Eagle Scout 12/6/96 - ASM, Troop 85
   Vigil Honor Member, O.A. Lodge 66 Yah-Tah-Hey-Si-Kess

   Please visit my site at http://www.unm.edu/~brianm
  _________________________________________________________________
```

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Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

250. [aprssig] Re: eTrex help? [was: cheap GPS]

From: "Rik Stallings" <n7xz@xmission.com>
Date: Mon, 8 Jul 2002 00:13:33 -0600
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-88508-2002.07.08-01.47.43--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

```
I've been using the etrex for two years now without any problem whatsoever.
I am using the Garmin lighter plug for power.  Actually, I got the
power/data combo cable and built an adapter to connect the nine-pin data
jack to a mini stereo for the D7-A.  Great little GPS for the price.


----- Original Message -----
From: "Bill Herrmann" <bherrman@spro.net>
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Sent: Sunday, July 07, 2002 11:26 PM
Subject: [aprssig] Re: eTrex help? [was: cheap GPS]


> At 10:55 PM 7/7/02 -0400, Ev Tupis (W2EV) wrote:
> >trials and tribulations of interfacing an eTrex to a TNC or something
like
> >that.  Could someone refresh my memory on this, please?  Maybe I'm
> >confusing this with an Earthmate?
>
> Probably so. The Earthmate only puts out Rockwell Binary or something like
> that. The eTrex can be set for NMEA out.
>
> You're much better off to buy the third party plug or cable. Garmin is
very
> proud of their data cable. I got a very nicely built cable for $15 or so.
>
> The only other oddity I can think of is that the eTrex is rumored to be
> VERY picky about the voltage supplied. (I've only used mine on battery to
> date, since I have other non-display GPS units for APRS use.)
>
> HTH
> Bill
>
>
>
> ---
> You are currently subscribed to aprssig as: n7xz@xmission.com
> To unsubscribe send a blank email to leave-aprssig-842K@lists.tapr.org
> Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org
>
>
```

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Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

251. [aprssig] ISS Igates

From: Bob Bruninga <bruninga@usna.edu>
Date: Mon, 8 Jul 2002 09:49:33 -0400 (EDT)
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: TAPR APRS SIG <aprssig@lists.tapr.org>
Message-ID: <LYR842-88529-2002.07.08-09.27.47--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Now that ISS has returned to packet, we seemed to have lost some of our
permanent IGates that take the downlink and feed it to the internet and

thence to http://www.ariss.net.

On the last USA pass, I only saw packets being injected from the KE6AFE
IGate in California, nothing on the east coast. With the smaller
footprint of ISS, we need as many as 6 or more permanent IGates across the
USA.

de WB4APR@amsat.org, Bob

ISS-APRS FAQ: http://www.ew.usna.edu/~bruninga/iss-faq.html

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Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

252. [aprssig] Re: ISS Igates

From: "Eric Christensen, KF4OTN" <kf4otn@cox.net>
Date: Mon, 8 Jul 2002 09:56:30 -0400
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: "TAPR APRS SIG" <aprssig@lists.tapr.org>
Message-ID: <LYR842-88530-2002.07.08-09.35.25--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Bob,
I am running my IGATE on 145.825, but haven't heard anything from the
ISS... Only PCSAT.

73s,
Eric KF4OTN

----- Original Message -----
From: "Bob Bruninga" <bruninga@usna.edu>
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: "TAPR APRS SIG" <aprssig@lists.tapr.org>
Sent: Monday, July 08, 2002 09:49
Subject: [aprssig] ISS Igates

Now that ISS has returned to packet, we seemed to have lost some of
our
permanent IGates that take the downlink and feed it to the internet
and
thence to http://www.ariss.net.

On the last USA pass, I only saw packets being injected from the
KE6AFE
IGate in California, nothing on the east coast. With the smaller
footprint of ISS, we need as many as 6 or more permanent IGates
across the
USA.

de WB4APR@amsat.org, Bob

ISS-APRS FAQ: http://www.ew.usna.edu/~bruninga/iss-faq.html

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253. [aprssig] Re: ISS Igates

From: Bob Bruninga <bruninga@usna.edu>
Date: Mon, 8 Jul 2002 10:27:49 -0400 (EDT)

To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: TAPR APRS Special Interest Group <aprssig@lists.tapr.org>
Message-ID: <LYR842-88534-2002.07.08-10.05.54--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

```
On Mon, 8 Jul 2002, Eric Christensen, KF4OTN wrote:

> Bob,
> I am running my IGATE on 145.825, but haven't heard anything from the
> ISS... Only PCSAT.

Yes, ISS downlinks on 145.800 and uplink is on 145.990.
thanks
bob
>
> 73s,
> Eric KF4OTN
>
>
> ----- Original Message -----
> From: "Bob Bruninga" <bruninga@usna.edu>
> To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
> Cc: "TAPR APRS SIG" <aprssig@lists.tapr.org>
> Sent: Monday, July 08, 2002 09:49
> Subject: [aprssig] ISS Igates
>
>
> Now that ISS has returned to packet, we seemed to have lost some of
> our
> permanent IGates that take the downlink and feed it to the internet
> and
> thence to http://www.ariss.net.
>
> On the last USA pass, I only saw packets being injected from the
> KE6AFE
> IGate in California, nothing on the east coast.  With the smaller
> footprint of ISS, we need as many as 6 or more permanent IGates
> across the
> USA.
>
> de WB4APR@amsat.org, Bob
>
> ISS-APRS FAQ:       http://www.ew.usna.edu/~bruninga/iss-faq.html
>
>
> ---
> You are currently subscribed to aprssig as: kf4otn@cox.net
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> Questions regarding the SIG go to the SIG administrator:
> wa1lou@tapr.org
>
>
>
>

de WB4APR@amsat.org, Bob

PCsat WEB  page     http://www.ew.usna.edu/~bruninga/pcsat.html
ISS-APRS FAQ:       http://www.ew.usna.edu/~bruninga/iss-faq.html
CUBESAT Designs     http://www.ew.usna.edu/~bruninga/cubesat.html
APRS LIVE pages     http://www.ew.usna.edu/~bruninga/aprs.html
APRS SATELLITES     http://www.ew.usna.edu/~bruninga/astars.html
MIM/Mic-E/Mic-Lite  http://www.toad.net/~wclement/bruninga/mic-lite.html


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```

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254. [aprssig] Re: ISS Igates

From: Matt Steinhoff <mls@steinhoff.net>
Date: Mon, 8 Jul 2002 10:31:22 -0400
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: aprssig@lists.tapr.org
Message-ID: <LYR842-88535-2002.07.08-10.10.02--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

> From: Bob Bruninga <bruninga@usna.edu>
> With the smaller footprint of ISS, we need as many
> as 6 or more permanent IGates across the USA.

Only partly on topic... Does anyone know how to use more than one sound card with AGWPE? I have read http://www.qsl.net/soundcardpacket/ and know how to run a radio off each audio channel (left and right) but can't figure out how to use more than one sound card at a time. (This is not the same as using one card for normal windows audio and the other for just packet. That is well documented.)

The reason I ask is that I have half a dozen scanners sitting idle that would make great IGates. Currently, I have one locked on 144.39 and one locked on 145.825 feeding UIView through AGWPE. If I could get AGWPE to see the second card in the system, I would have two more audio channels to play with. One could be used for ISS and the other for the 9600bps PCSat feed.
Is it as simple as running two instances of AGWPE from two different directories?

Matt (k4mls)

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---

255. [aprssig] Re: ISS Igates

From: "Eric Christensen, KF4OTN" <kf4otn@cox.net>
Date: Mon, 8 Jul 2002 10:34:37 -0400
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-88538-2002.07.08-10.13.50--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Oh... Nevermind... :)

I was under the impression that they were on the same frequency...
Oh well!

73s,
Eric KF4OTN

----- Original Message -----
From: "Bob Bruninga" <bruninga@usna.edu>
To: "Eric Christensen, KF4OTN" <kf4otn@cox.net>
Cc: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Sent: Monday, July 08, 2002 10:27
Subject: Re: [aprssig] ISS Igates

On Mon, 8 Jul 2002, Eric Christensen, KF4OTN wrote:

> Bob,
> I am running my IGATE on 145.825, but haven't heard anything from
the
> ISS... Only PCSAT.

Yes, ISS downlinks on 145.800 and uplink is on 145.990.
thanks
bob
>
> 73s,
> Eric KF4OTN
>
>
> ----- Original Message -----
> From: "Bob Bruninga" <bruninga@usna.edu>
> To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
> Cc: "TAPR APRS SIG" <aprssig@lists.tapr.org>
> Sent: Monday, July 08, 2002 09:49
> Subject: [aprssig] ISS Igates
>

```
>
> Now that ISS has returned to packet, we seemed to have lost some of
> our
> permanent IGates that take the downlink and feed it to the internet
> and
> thence to http://www.ariss.net.
>
> On the last USA pass, I only saw packets being injected from the
> KE6AFE
> IGate in California, nothing on the east coast.  With the smaller
> footprint of ISS, we need as many as 6 or more permanent IGates
> across the
> USA.
>
> de WB4APR@amsat.org, Bob
>
> ISS-APRS FAQ:       http://www.ew.usna.edu/~bruninga/iss-faq.html
>
>
> ---
> You are currently subscribed to aprssig as: kf4otn@cox.net
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> wa1lou@tapr.org
>
>
>
>

de WB4APR@amsat.org, Bob

PCsat WEB  page     http://www.ew.usna.edu/~bruninga/pcsat.html
ISS-APRS FAQ:       http://www.ew.usna.edu/~bruninga/iss-faq.html
CUBESAT Designs     http://www.ew.usna.edu/~bruninga/cubesat.html
APRS LIVE pages     http://www.ew.usna.edu/~bruninga/aprs.html
APRS SATELLITES     http://www.ew.usna.edu/~bruninga/astars.html
MIM/Mic-E/Mic-Lite
http://www.toad.net/~wclement/bruninga/mic-lite.html




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```

---

256. [aprssig] Igate not making it to FINDU

From: David VanHorn <dvanhorn@cedar.net>
Date: Mon, 08 Jul 2002 10:17:18 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-88540-2002.07.08-10.56.46--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

```
Running 2.61 here as an igate, registerd, and connected to the network.
None of my traffic appears to be making it to FINDU.

What else do I need to do, to get our local data into the stream?


---
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```

---

257. [aprssig] Re: Igate not making it to FINDU

From: "Dick Stanich" <dick@kb7zva.com>
Date: Mon, 8 Jul 2002 11:59:19
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-88558-2002.07.08-12.37.23--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

```
What server are you connecting to?

And, SETTINGS > TCP/IP Connections > TCP Server Settings

Check the following boxes:
```

Feed (echo) Local Data to TCP/IP
Enable outgoing 3rd Party messages

Hope that helps :)

Dick, KB7ZVA
APRSWest.net
http://kb7zva.com

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---

258. [aprssig] Re: [amsat-bb] ISS Igates

From: Bob Bruninga <bruninga@usna.edu>
Date: Mon, 8 Jul 2002 13:07:34 -0400 (EDT)
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: fkfl@cornell.edu
Message-ID: <LYR842-88559-2002.07.08-12.45.40--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Anyone help this fellow set up another SATgate for ISS and or PCsat?
We need more SATgates and a simple place to tell them how to set it up...

Bob

---------- Forwarded message ----------
Date: Mon, 8 Jul 2002 11:04:14 -0400
From: Kevin Feeney <fkf1@cornell.edu>
Subject: Re: [amsat-bb] ISS Igates

Bob,

Is there a step by step 'how to' on becoming an IGATE? I've got a
cable modem and a radio that's available all day when I'm at work.

Kevin, WB2EMS

--

F. Kevin Feeney
Senior Information Technology Engineer
Cornell University, Ithaca New York
607-255-5186, fkf1@cornell.edu

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---

259. [aprssig] Re: [amsat-bb] ISS Igates

From: Adi Linden <adil@adis.on.ca>
Date: Mon, 8 Jul 2002 13:18:21 -0500 (CDT)
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-88570-2002.07.08-13.56.25--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

> Anyone help this fellow set up another SATgate for ISS and or PCsat?
> We need more SATgates and a simple place to tell them how to set it up...

I guess Igates (and SATgates) should work just fine with a receive only
radio. Please correct me if I am wrong...

Are there any good sources for VHF receivers? Even some nice homebrew
receiver project? Still looking for a homebrew/project type VHF
transmitter with no more the 5 Watts output...

Adi

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260. [aprssig] Re: [amsat-bb] ISS Igates

From: "Tim Cunningham" <tim_cunningham@mindspring.com>
Date: Mon, 8 Jul 2002 13:25:39 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-88572-2002.07.08-14.07.54--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

```
> Are there any good sources for VHF receivers? Even some nice homebrew
> receiver project? Still looking for a homebrew/project type VHF
> transmitter with no more the 5 Watts output...
>

Some older and recent scanning radios are cheap on Ebay and at Flea
Markets. They work very well.


Tim - N8DEU
Huntsville, Alabama




---
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261. [aprssig] Re: [amsat-bb] ISS Igates

From: Matt Steinhoff <mls@steinhoff.net>
Date: Mon, 8 Jul 2002 14:32:50 -0400
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: aprssig@lists.tapr.org
Message-ID: <LYR842-88573-2002.07.08-14.11.06--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

```
> From: Adi Linden <adil@adis.on.ca>
> I guess Igates (and SATgates) should work just
> fine with a receive only radio.

    They will. No need to tie up an expensive
transceiver if you main purpose is to gate. As I
noted earlier today, I have a scanner for 144.39,
one for 145.825 and I'd like to add two more for
ISS and PCSat/9600.

> Are there any good sources for VHF receivers?

    Scanners are all over the place and dirt cheap
to boot. When public service went trunked a few
years ago, just about everyone upgraded. It is hard
to find a scanner that doesn't cover two meters. I
find Radio Shack/Realistic/Bearcat scanners a flea
markets and garage sales for under $15. Some are
under $5.
    Most have worn out buttons (usually 'scan' and
'manual') or poor displays (PRO2004/5/6s especially)
but, for a SatGate, you're going to lock it on one
channel and rarely if ever look at the display.

> Even some nice homebrew receiver project?

    I don't think you could homebrew a receiver for
what you can pay for a scanner at a garage sale. I
picked up a Bearcat 300, PRO2004 and two Bearcat
895XLTs (!) for $45 a few weeks back. The 2004 has
a bad display and one of the 895's 'scan' buttons
sticks but the rest were in fine but used shape.

    Matt (k4mls)

---
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262. [aprssig] Re: HK-21 Pocket Packet

From: "Jason Rausch" <ke4nyv@msn.com>
Date: Mon, 8 Jul 2002 17:30:31
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>

Message-ID: <LYR842-88588-2002.07.08-18.08.35--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Buy a Palm unit (Handspring or Palm) and save yourself alot of headache.
Check out my set-ups on my site at http://www.ke4nyv.com

73's
Jason KE4NYV
www.ke4nyv.com

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---

263. [aprssig] Re: HK-21 Pocket Packet

From: Bill Vodall - WA7NWP <wa7nwp@yahoo.com>
Date: Mon, 08 Jul 2002 15:40:31 -0700
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-88589-2002.07.08-18.18.36--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

At 05:30 PM 7/8/02 +0000, Jason Rausch wrote:
>Buy a Palm unit (Handspring or Palm) and save yourself alot of headache.
>Check out my set-ups on my site at http://www.ke4nyv.com

The HK-21 Pocket packet TNC is a terrible match for use with the Palm computers.
Color is wrong. Cables are too long. I'll be happy to make a fair deal if anybody
would like to get rid of one of these lemons. No upgrade ROM needed. While the
upgrade turns it in to a standalone APRS tracker, the basic ROM does KISS just
fine.   I'm used to it and I'd hate to see anybody else have to suffer with this cute
little packet combination...

73,
Bill

PS.   :-)

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---

264. [aprssig] Re: [amsat-bb] ISS Igates

From: "Brandon Cole" <brandonacole@yahoo.com>
Date: Mon, 8 Jul 2002 17:41:9
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-88590-2002.07.08-18.19.16--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

I would also like to know the details of setting up a satellite/internet
gateway for ISS, PCSat, or UO-22. I only have an omni antenna right now,
but that's better than nothing. I'm located in Texas, which I would think
would be a good, central location for a gateway. I don't yet have cable
internet access, but that can be obtained quickly. Also, I would like to
learn more about the software requirements for all of this. Will I still
be able to use APRSTK? If so, will I only be able to gate one satellite,
or can I let APRSTK control my Kenwood and have it monitor all three?

Brandon
AD5ER

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---

265. [aprssig] Re: HK-21 Pocket Packet

From: Bruce & Leigh Coates <bruce.coates@sk.sympatico.ca>
Date: Mon, 08 Jul 2002 17:16:04 -0600
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-88592-2002.07.08-18.54.11--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

I also have an HK-21 that I plan to use with a Palm and an Alinco DJ-C1T for
a tiny portable packet station. My only problems so far are time and
finding replacement AAAA NiCd cells for the TNC.

I've tried it all strung together through the hotsync cradle and it works
great. I'm not planning to use it as a stand alone tracker so I'm just
running the standard firmware.

73 - Bruce - VE5BNC

----- Original Message -----
From: K.Paul Boggs <ab6wu@earthlink.net>
To: TAPR APRS Special Interest Group <aprssig@lists.tapr.org>
Sent: July 7, 2002 12:47 PM
Subject: [aprssig] HK-21 Pocket Packet

> I have a working HK-21. What advantage do I gain
> with the $50.00 software update ??. Thinking of building
> a small portable APRS unit. ANY input welcome
> Paul
>
>
> --- K.Paul Boggs
> --- ab6wu@earthlink.net
> --
>
>
>
> ---
> You are currently subscribed to aprssig as: bruce.coates@sk.sympatico.ca
> To unsubscribe send a blank email to leave-aprssig-842K@lists.tapr.org
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>

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---

266. [aprssig] Re: [amsat-bb] ISS Igates

From: Adi Linden <adil@adis.on.ca>
Date: Mon, 8 Jul 2002 19:22:10 -0500 (CDT)
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: TAPR APRS Special Interest Group <aprssig@lists.tapr.org>
Message-ID: <LYR842-88601-2002.07.08-20.00.15--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

>   They will. No need to tie up an expensive
> transceiver if you main purpose is to gate. As I
> noted earlier today, I have a scanner for 144.39,
> one for 145.825 and I'd like to add two more for
> ISS and PCSat/9600.

A thought that came to mind (while grilling my food this evening), what
about APRS messaging? Will that work via satellite and is there much use
of it? I would think this would require transmit as well.

>   I don't think you could homebrew a receiver for
> what you can pay for a scanner at a garage sale. I
> picked up a Bearcat 300, PRO2004 and two Bearcat
> 895XLTs (!) for $45 a few weeks back. The 2004 has
> a bad display and one of the 895's 'scan' buttons
> sticks but the rest were in fine but used shape.

To make this work using multiple receivers, wouldn't it also require
multiple TNC's and serial ports as well as multiple instances of the Igate
software?

I guess it would be possible to combine the audio of all radios and send
it into a single TNC.

An alternative could be to use a single computer controlled receiver or
tranceiver. Assuming it's possible to obtain passtimes of PCSat, ISS, etc,
it would be possible to tune the receiving equipment to the desired
frequency for the duration of the overhead pass.

I found this http://www.geocities.com/hagtronics/2_meter.html homebrew
receiver which can be controlled via RS232.

Just thinking out loud and hoping to get some input into what's actually sane and practical to do. Great to be able to discuss this, I think :)

Adi
va3adi

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---

267. [aprssig] Need Help with a packet station, continued experiment

From: Anthony Ferguson <spider24112@yahoo.com>
Date: Mon, 8 Jul 2002 17:38:35 -0700 (PDT)
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: w4bot@arrl.net
Message-ID: <LYR842-88602-2002.07.08-20.16.39--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Hello to all:

Alright here we go . I did a experiment with the RASCAL trying to operate PSK on 2 meters trying both FM and USB and it did not work .Meaning the Rig did not key up for the transmission. Now on normal HF bands the RASCAL operates beautifully.

Now here is the other part of the experiment . I did the same thing this time I used AGW and WinAPRS on the HF bands on SSB , guess what that darn things worked . I set up my extra HF rig and listened to the transmission if any and guess what I heard , PACKET , Now can some one tell me what the heck is going on ?

I know something has got to be wrong here folks because PACKET on VHF (2 meters) is normal operation. I know that there is PACKET on HF too but I have rarely heard it on the bands .

Maybe I should add this the ICOM 706mk2g has a I/O port in the back of the RIG and that is were the interface is plugged into for PSK and RTTY . Now I am beginning to think that I need to do something different here folks.

The ICOM has another port in the back of the rig it is a miniature 6 pin din plug just for packet I think and hope that if I can come up with some way of making a jumper cable from the 13 pin din plug from the RASCAL to the 6 pin din plug that I should be able to operate on VHF packet . ANY SUGGESTION?

Do You Yahoo!?
New! SBC Yahoo! Dial - 1st Month Free & unlimited access

---

268. [aprssig] Re: Igate not making it to FINDU

From: David Cook <dcook@warpnet.net>
Date: Mon, 08 Jul 2002 22:45:44 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: TAPR APRS Special Interest Group <aprssig@lists.tapr.org>
Message-ID: <LYR842-88612-2002.07.08-23.24.10--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Dave,
I run WinAPRS 2.61 as an IGATE and have noticed the same problem. It's just your RF traffic that WinAPRS will not pass to the internet stream...local RF traffic your station hears will be passed. I think this may be a minor bug in WinAPRS version 2.61 involving the IGATE's callsign's RF packets.

David VanHorn wrote:

> Running 2.61 here as an igate, registerd, and connected to the network.
> None of my traffic appears to be making it to FINDU.
>
> What else do I need to do, to get our local data into the stream?
>
> ---
> You are currently subscribed to aprssig as: dcook@warpnet.net
> To unsubscribe send a blank email to leave-aprssig-842K@lists.tapr.org
> Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

--
David Cook - W9GPS
E-mail: w9gps@amsat.org

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To unsubscribe send a blank email to leave-aprssig-842K@lists.tapr.org
Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

269. [aprssig] Palm "Laptop"

From: Gregg Martell <gmartell@pobox.com>
Date: Tue, 09 Jul 2002 00:02:17 -0400
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-88613-2002.07.08-23.36.38--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Just found this:
http://www.alphasmart.com/products/dana_overview.html. Might have some
interesting applications in APRS or mobile packet.

Gregg
kb3gmv

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270. [aprssig] Re: Palm "Laptop"

From: "Jason Rausch" <ke4nyv@msn.com>
Date: Mon, 8 Jul 2002 23:37:2
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-88626-2002.07.09-00.15.05--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

This may be a good option. Since the LCD is not the dimensions of a
typical Palm unit, I'm not sure how well the typical version of PocketAPRS
would run on it. I'm sure it can re-format most screens with text and
simple graphics, but I would be interested to see how it would manage the
map screens. Looks neat though.

73's
Jason KE4NYV
www.ke4nyv.com

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271. [aprssig] Re: eTrex help? [was: cheap GPS]

From: "Jason Rausch" <ke4nyv@msn.com>
Date: Mon, 8 Jul 2002 23:47:31
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-88627-2002.07.09-00.25.34--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

I know your question was answered, but I'll throw in my $0.02. Yes, the
Earthmate does spit out Rockwell Binary, the only solution to that I know
of, is Byon N6BG's PIC based adapter the GST-1 http://www.byonics.com

As far as the eTrex, like i said before, I recommended a friend to buy one
for his TinyTrak and they mated purrrfectly! Standard NMEA output.

73's
Jason KE4NYV
www.ke4nyv.com

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272. [aprssig] Re: Igate not making it to FINDU

From: David VanHorn <dvanhorn@cedar.net>
Date: Mon, 08 Jul 2002 23:56:24 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: TAPR APRS Special Interest Group <aprssig@lists.tapr.org>
Message-ID: <LYR842-88628-2002.07.09-00.34.01--lyris.aprssig#tapr.org@lists.tapr.org>

Rendered body type: text/plain

```
At 10:45 PM 7/8/2002 -0500, David Cook wrote:
>Dave,
>      I run WinAPRS 2.61 as an IGATE and have noticed the same
> problem.  It's just your RF traffic that WinAPRS will not pass to the
> internet stream...local RF traffic your station hears will be passed.  I
> think this may be a minor bug in WinAPRS version 2.61 involving the
> IGATE's callsign's
>RF packets.


You lost me.

KC6ETE-1 (the igate) is getting into findu just fine, but it appears that
nothing it hears on RF is getting in.




---
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```

273. [aprssig] Re: HK-21 Pocket Packet

From: "Glen Tubbesing" <n7got@earthlink.net>
Date: Mon, 8 Jul 2002 22:46:14 -0700
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-88635-2002.07.09-01.24.40--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

```
Bruce,

I certainly think it would be extremely hard to find 4-A batteries...
they must be extremely small!  Perhaps if you looked for 3-A batteries
instead, you might have better luck.

73,
Glen Tubbesing
N7GOT
Las Vegas, NV

> -----Original Message-----
> From: bounce-aprssig-28446@lists.tapr.org [mailto:bounce-aprssig-
> 28446@lists.tapr.org] On Behalf Of Bruce & Leigh Coates
> Sent: Monday, July 08, 2002 04:16 PM
> To: TAPR APRS Special Interest Group
> Subject: [aprssig] Re: HK-21 Pocket Packet
>
> I also have an HK-21 that I plan to use with a Palm and an Alinco
DJ-C1T for
> a tiny portable packet station.  My only problems so far are time and
> finding replacement AAAA NiCd cells for the TNC.
>



---
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```

274. [aprssig] Re: eTrex help? [was: cheap GPS]

From: "Ev Tupis (W2EV)" <w2ev@arrl.net>
Date: Tue, 09 Jul 2002 06:26:07 -0400
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-88641-2002.07.09-06.05.29--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

```
Thanks Jason, Bill and Rik!  The eTrex seems like a viable inexpensive
plug-and-go unit.  I appreciate you all taking the time to refocus me a bit.

Warmly,
Ev Tupis, W2EV
--
BEACONet lets you look at the world in ways never before imagined.
http://go.to/BEACONet
```

```
---
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```

275. [aprssig] Re: HK-21 Pocket Packet

```
From: "AE5PL Lists" <HamLists@ametx.com>
Date: Tue, 9 Jul 2002 06:08:27 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-88644-2002.07.09-06.46.34--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain
```

```
Batteries America (http://www.batteriesamerica.com) has the battery
packs.  Look under battery inserts.  I have 2 HK-21's with the new
battery packs and they work great.  I also upgraded to the Paccomm 5.0
roms so I can use full KISS mode as well as being able to use them as
trackers.

73,

Pete Loveall AE5PL
http://www.ae5pl.net
mailto:pete@ae5pl.net

> -----Original Message-----
> From: Glen Tubbesing [mailto:n7got@earthlink.net]
> Posted At: Tuesday, July 09, 2002 12:48 AM
> Subject: [aprssig] Re: HK-21 Pocket Packet
>
> I certainly think it would be extremely hard to find 4-A batteries...
> they must be extremely small!  Perhaps if you looked for 3-A batteries
> instead, you might have better luck.
>
> > -----Original Message-----
> > From: bounce-aprssig-28446@lists.tapr.org [mailto:bounce-aprssig-
> > 28446@lists.tapr.org] On Behalf Of Bruce & Leigh Coates
> > Sent: Monday, July 08, 2002 04:16 PM
> > To: TAPR APRS Special Interest Group
> > Subject: [aprssig] Re: HK-21 Pocket Packet
> >
> > I also have an HK-21 that I plan to use with a Palm and an Alinco
> DJ-C1T for
> > a tiny portable packet station.  My only problems so far
> are time and
> > finding replacement AAAA NiCd cells for the TNC.

---
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```

276. [aprssig] Re: Palm "Laptop"

```
From: "Bud Talbot" <kb9wvg@arrl.net>
Date: Tue, 9 Jul 2002 7:46:45
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-88651-2002.07.09-08.24.51--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain
```

```
Looks cool. PocketAPRS would run as normal in the center of the screen. It
looks as though "Dana optimized" apps run in full screen mode. Check out
the pdf spec sheet for more info. Too bad its not color.

Being a teacher and having wanted to incorporate palm handhelds into the
classroom, this looks like a good unit to that end.

73
Bud
KB9WVG

---
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```

277. [aprssig] Re: [amsat-bb] ISS Igates

```
From: Bob Bruninga <bruninga@usna.edu>
Date: Tue, 9 Jul 2002 09:58:47 -0400 (EDT)
```

To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: TAPR APRS Special Interest Group <aprssig@lists.tapr.org>
Message-ID: <LYR842-88652-2002.07.09-09.36.55--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

On Mon, 8 Jul 2002, Brandon Cole wrote:

> I would also like to know the details of setting up a satellite/internet
> gateway for ISS, PCSat, or UO-22. I only have an omni antenna right now,
> but that's better than nothing. I'm located in Texas, which I would think
> would be a good, central location for a gateway. I don't yet have cable
> internet access, but that can be obtained quickly. Also, I would like to
> learn more about the software requirements for all of this. Will I still
> be able to use APRSTK? If so, will I only be able to gate one satellite,
> or can I let APRSTK control my Kenwood and have it monitor all three?

If you have a Kenwood D7 or D700 then you can IGate everyrhing and also
be entertained by all the Voice ops whenever the voice sats come into
view too. But here is I think how you need to do it...

1) Run APRStk on any old laptop or PC
2) Run your favorite APRS software (with IGate capability) on another PC
   or in the background on #1 (stupdid question... does all the
   multitasking of Winders still work while running a dos program full
   screen?
3) Wire the pin 2 RXD data from the Kenwood to the inputs of both PC's
   or the TWO separate serial ports if trying to run them both on the
   same PC. Only connect the one TXD to APRStk pin 3...

*** Run the radio with the shortest possible coax to a 19" whip over a
reasonable sized metalic groundplane (screen wire or hardware cloth, etc)
Remember, the whip does not need to see the horizon so mount it lower with
shorter coax if you have the choice. But make sure it can see the sky
above say 20 degrees..

Such a ground station should hear all satellites above about 20 degrees...
With enough of these, then we would have the sky covered...

de WB4APR, Bob

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---

278. [aprssig] Re: [amsat-bb] ISS Igates

From: Bob Bruninga <bruninga@usna.edu>
Date: Tue, 9 Jul 2002 10:10:39 -0400 (EDT)
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: TAPR APRS Special Interest Group <aprssig@lists.tapr.org>
Message-ID: <LYR842-88653-2002.07.09-09.48.57--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

On Mon, 8 Jul 2002, Adi Linden wrote:

> >   They will. No need to tie up an expensive
> > transceiver if you main purpose is to gate. As I
>
> A thought that came to mind (while grilling my food this evening), what
> about APRS messaging? Will that work via satellite and is there much use
> of it? I would think this would require transmit as well.

Yes, but that is another kettle of fish that we havent worked out the
details on. It does work just fine as transmit, but only if one station
is actually serving as the transmit IGate. We have demonstrated that
this does work. But before we would invite IGates to transmit in general
back up to the satelities, we need a nother layer of software to be real
smart about who and how...

So I would say, that is a few years away. So concentrating on RX only is
fine for anyone that wants to...

> I guess it would be possible to combine the audio of all radios and send
> it into a single TNC.

As long as the squelch operates fast enough. Most rigs do, so that is
not a problem as long as you dont have Pagers andother QRM that open the
squelches at the wrong times...

> An alternative could be to use a single computer controlled receiver or
> tranceiver. Assuming it's possible to obtain passtimes of PCSat, ISS, etc,
> it would be possible to tune the receiving equipment to the desired
> frequency for the duration of the overhead pass.

That is what APRStk does. It auto tunes the Kenwoods to any satellite in
view and also rotates a $64 radio shack rotator if you want....

de WB4APR@amsat.org, Bob

```
PCsat WEB  page     http://www.ew.usna.edu/~bruninga/pcsat.html
ISS-APRS FAQ:       http://www.ew.usna.edu/~bruninga/iss-faq.html
CUBESAT Designs     http://www.ew.usna.edu/~bruninga/cubesat.html
APRS LIVE pages     http://www.ew.usna.edu/~bruninga/aprs.html
APRS SATELLITES     http://www.ew.usna.edu/~bruninga/astars.html
MIM/Mic-E/Mic-Lite  http://www.toad.net/~wclement/bruninga/mic-lite.html
```

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279. [aprssig] Re: [amsat-bb] ISS Igates

From: "Curt Mills, WE7U" <hacker@tc.fluke.com>
Date: Tue, 9 Jul 2002 08:21:58 -0700 (PDT)
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: TAPR APRS Special Interest Group <aprssig@lists.tapr.org>
Message-ID: <LYR842-88657-2002.07.09-11.00.01--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

On Mon, 8 Jul 2002, Adi Linden wrote:

> To make this work using multiple receivers, wouldn't it also require
> multiple TNC's and serial ports as well as multiple instances of the Igate
> software?

Multiple instances of igate software? No. Easier ways to do it:

Xastir can handle up to 10 interfaces (more if you tweak one define
and recompile), so you could have nine radio/TNC's connected and one
network connection, or any combination thereof. Someone who really
wants to beat it to death could recompile for 30 or 50 interfaces.
Several multi-serial port cards are supported under Linux.
RocketPort cards work well.

I think aprsd can handle multiple radio ports as well. Someone
correct me if I'm wrong. I haven't used it for a while and when I
did I had only one TNC connected.

You might also be able to stuff several sound cards into a Linux PC
and set up the soundmodem software with 2 radios connected to each
sound card. This would eliminate a lot of TNC's.

```
Curt Mills, WE7U                         hacker.NO_*SPAM@tc.fluke.com
Senior Methods Engineer/SysAdmin
"Lotto:    A tax on people who are bad at math." -- unknown
"Windows:  Microsoft's tax on computer illiterates." -- WE7U
```

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280. [aprssig] Re: [amsat-bb] ISS Igates

From: Bill Vodall - WA7NWP <wa7nwp@yahoo.com>
Date: Tue, 09 Jul 2002 08:26:52 -0700
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-88658-2002.07.09-11.05.07--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

>I think aprsd can handle multiple radio ports as well. Someone
>correct me if I'm wrong. I haven't used it for a while and when I
>did I had only one TNC connected.

No. Not yet.

Bill

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281. [aprssig] ISS Igate

From: "Terry L. Brooks" <tbrooks@sigecom.net>
Date: Tue, 09 Jul 2002 10:41:27 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-88659-2002.07.09-11.20.01--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

In response to Bob's request for ISS IGates, I can provide one for
Southwestern Indiana. I don't have he best antenna for that work, but
can provide a Yaesu 2600 and KPC3-Plus.

It someone can send me detailed setup information, I can have one on the
in a day or two.

Thanks
AA9MM
Terry

tbrooks@sigecom.net

<snip>
Subject: ISS Igates
From: Bob Bruninga <bruninga@usna.edu>
Date: Mon, 8 Jul 2002 09:49:33 -0400 (EDT)
X-Message-Number: 6

Now that ISS has returned to packet, we seemed to have lost some of our
permanent IGates that take the downlink and feed it to the internet and
thence to http://www.ariss.net.
On the last USA pass, I only saw packets being injected from the KE6AFE
IGate in California, nothing on the east coast. With the smaller
footprint of ISS, we need as many as 6 or more permanent IGates across
the
USA.

de WB4APR@amsat.org, Bob

ISS-APRS FAQ: http://www.ew.usna.edu/~bruninga/iss-faq.html
<snip>
[Attachment: tbrooks.vcf; text/x-vcard; 139 bytes]

282. [aprssig] Re: [amsat-bb] ISS Igates

From: bob evinger <wd9eka@evinger.com>
Date: Tue, 9 Jul 2002 11:51:01 -0500 (CDT)
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: TAPR APRS Special Interest Group <aprssig@lists.tapr.org>
Message-ID: <LYR842-88660-2002.07.09-12.30.21--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Well I was going to say bummer, since I was going to setup something this
week to get an illinois station on but I run aprsd. However, I should be
able to run a second instance of aprsd from a seperate directory and have
it just connect its data stream to my primary aprsd on the same machine
yes? I would have to alter the sockets that the ISS aprsd instance is
listening on but that is all in the .conf file anywya. Any aprsd operator
that see a problem with that?

bob

On Tue, 9 Jul 2002, Bill Vodall - WA7NWP wrote:

>
> >I think aprsd can handle multiple radio ports as well. Someone
> >correct me if I'm wrong. I haven't used it for a while and when I
> >did I had only one TNC connected.
>
> No. Not yet.
>

```
> Bill
>
>
> ---
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> To unsubscribe send a blank email to leave-aprssig-842K@lists.tapr.org
> Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org
>
>


--
Bob Evinger   WD9EKA/AAR5MG(Army MARS operator)
If Guns Cause Crime, Then Matches Cause Arson.



---
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```

283. [aprssig] Re: ISS Igate

From: k9soa@att.net
Date: Tue, 09 Jul 2002 17:59:22 +0000
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-88662-2002.07.09-13.37.28--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

```
Same for me.  I'm just south of Louisville about 1/2 way
to Ft Knox.

AGWPE-UI-VIEW  Yaesu 2600 and Yaesu FT847
--
Don

www.k9soa.net  (EM77EW)

Home of "JEANNIE"
The House That Listens
Using HAL2000
Seen on HGTV's Dream Builder show

Featured Home of the Month
Home Automation Magazine March 2002
> In response to Bob's request for ISS IGates, I can provide one for
> Southwestern Indiana. I don't have he best antenna for that work, but
> can provide a Yaesu 2600 and KPC3-Plus.
>
> It someone can send me detailed setup information, I can have one on the
> in a day or two.
>
>
> Thanks
> AA9MM
> Terry
>
> tbrooks@sigecom.net
>
>
>
> <snip>
> Subject: ISS Igates
> From: Bob Bruninga <bruninga@usna.edu>
> Date: Mon, 8 Jul 2002 09:49:33 -0400 (EDT)
> X-Message-Number: 6
>
> Now that ISS has returned to packet, we seemed to have lost some of our
> permanent IGates that take the downlink and feed it to the internet and
> thence to http://www.ariss.net.
> On the last USA pass, I only saw packets being injected from the KE6AFE
> IGate in California, nothing on the east coast.  With the smaller
> footprint of ISS, we need as many as 6 or more permanent IGates across
> the
> USA.
>
> de WB4APR@amsat.org, Bob
>
> ISS-APRS FAQ:       http://www.ew.usna.edu/~bruninga/iss-faq.html
> <snip>
```

>
>
>

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Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

284. [aprssig] Re: [amsat-bb] ISS Igates

From: "Brandon Cole" <brandonacole@yahoo.com>
Date: Tue, 9 Jul 2002 13:42:38
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-88664-2002.07.09-14.20.44--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Thanks for answering those questions. I've got a couple more.

1) Must the I-gate receive only data from the satellites, or can it receive terrestrial APRS also? You mentioned that the receive data will go to both ports, and I'm assuming that I wouldn't be able to have receive data from both the satellite receive and the land APRS receive on the same input for the I-gate APRS pc, but I just want to ask to make sure. My pc does have two serial ports, so I will try to run both APRSTK and the other program on that computer. APRSTK would have to run in the foreground since it won't go into DOZ mode (I already do this when I occasionally run APRSTK and DATA, with DATA dozing in the background.) It would be annoying at first having to stop and start TK everytime I might want to check the I-gate software, but might be a problem later. I could just find another old pc, so its no big deal.

2)I'm no antenna expert, so I'm wondering if the 1/4 wave ground plane antenna that you described has better high-elevation receive than a J-pole?
 I can receive fairly well with my J-pole, except for directly overhead. And would your Radio Shack rotator system with 2m and 70cm, 4 or 5 element beams be worth the cost for the higher gain (especially when monitoring UO-22) or not really necessary?

Brandon
AD5ER

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285. [aprssig] Re: [amsat-bb] ISS Igates

From: Bob Bruninga <bruninga@usna.edu>
Date: Tue, 9 Jul 2002 15:03:45 -0400 (EDT)
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: TAPR APRS Special Interest Group <aprssig@lists.tapr.org>
Message-ID: <LYR842-88668-2002.07.09-14.41.59--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

On Tue, 9 Jul 2002, Brandon Cole wrote:

> 1) Must the I-gate receive only data from the satellites, or can it receive
> terrestrial APRS also? You mentioned that the receive data will go to both
> ports, and I'm assuming that I wouldn't be able to have receive data from
> both the satellite receive and the land APRS receive on the same input for
> the I-gate APRS pc, but I just want to ask to make sure.

Sure, just tell APRStk to return to 144.39 when there are no satellites in view... That is the INPUT-MY-DEFAULT command...

  My pc does have
> two serial ports, so I will try to run both APRSTK and the other program on
> that computer. APRSTK would have to run in the foreground since it won't
> go into DOZ mode (I already do this when I occasionally run APRSTK and
> DATA, with DATA dozing in the background.)

If you dont do the DOZ comand, then I think you can just alt-ESC from DOS to your desktop and do anything you want. APRStk will not run, but it will stay there and pick up running as soon as you re-click on the MS-DOS on the task bar...

  It would be annoying at first
> having to stop and start TK everytime I might want to check the I-gate
> software, but might be a problem later. I could just find another old pc,

```
> so its no big deal.

Shouldnt have to do that...
>
> 2)I'm no antenna expert, so I'm wondering if the 1/4 wave ground plane
> antenna that you described has better high-elevation receive than a J-pole?

Certainly.  about 3 dB worth on 2m and about 8 dB worth on 70cm.  Its the
8dB gain on 70cm that makes it such a neat antenna, plus it is by
definition dual band....

>  I can receive fairly well with my J-pole, except for directly overhead.
> And would your Radio Shack rotator system with 2m and 70cm, 4 or 5 element
> beams be worth the cost for the higher gain (especially when monitoring
> UO-22) or not really necessary?

No, not unless you just want to.  If we get enough IGates then everyone
only needs to receive the center of the pass over their house as someone
else will get it over theres.....


bob
> > Brandon
> AD5ER
>
> ---
> You are currently subscribed to aprssig as: bruninga@usna.edu
> To unsubscribe send a blank email to leave-aprssig-842K@lists.tapr.org
> Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org
>

de WB4APR@amsat.org, Bob

PCsat WEB  page     http://www.ew.usna.edu/~bruninga/pcsat.html
ISS-APRS FAQ:       http://www.ew.usna.edu/~bruninga/iss-faq.html
CUBESAT Designs     http://www.ew.usna.edu/~bruninga/cubesat.html
APRS LIVE pages     http://www.ew.usna.edu/~bruninga/aprs.html
APRS SATELLITES     http://www.ew.usna.edu/~bruninga/astars.html
MIM/Mic-E/Mic-Lite  http://www.toad.net/~wclement/bruninga/mic-lite.html


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Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org
```

286. [aprssig] Re: ISS Igates

From: Bill Vodall - WA7NWP <wa7nwp@yahoo.com>
Date: Tue, 09 Jul 2002 12:43:57 -0700
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-88671-2002.07.09-15.22.05--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

```
At 11:51 AM 7/9/02 -0500, bob evinger wrote:
>Well I was going to say bummer, since I was going to setup something this
>week to get an illinois station on but I run aprsd. However, I should be
>able to run a second instance of aprsd from a seperate directory and have
>it just connect its data stream to my primary aprsd on the same machine
>yes? I would have to alter the sockets that the ISS aprsd instance is
>listening on but that is all in the .conf file anywya. Any aprsd operator
>that see a problem with that?
>
>    bob

I tried that a year or so ago.   At that time there were a couple ports in the configuration
that weren't user configurable.  When I fixed that in my own version - it still didn't work.
Locked up on something.  I was guessing that some trick with named Mutex's or other
software scheme was still conflicting and thus preventing the two processes from running
simultaneously.

Much has changed since I first tried this.  It may work now.  It would be well worth
the time to give it a try and let us know.

73,
Bill - WA7NWP


---
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```

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287. [aprssig] Re: [amsat-bb] ISS Igates

From: "Doug Younker" <dougy@ruraltel.net>
Date: Tue, 9 Jul 2002 14:51:41 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-88675-2002.07.09-15.30.12--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

On combining the receive audio from multiple receivers and feeding it to a
single TNC. To what extent would "collisions" be a problem? I'm sure there
would be a way to prevent it but, a simple idea is not simple no more.
Scanning receivers to a good job for the money however, even out here in the
Relative RF sticks of western Kansas they can be subject to interference and
other problems that, *I* wouldn't want to have an *MY* station.--73
Doug, N0LKK
dougy@ruraltel.net

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288. [aprssig] Re: [amsat-bb] ISS Igates

From: Bob Bruninga <bruninga@usna.edu>
Date: Tue, 9 Jul 2002 16:18:22 -0400 (EDT)
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: TAPR APRS Special Interest Group <aprssig@lists.tapr.org>
Message-ID: <LYR842-88677-2002.07.09-15.56.44--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

On Tue, 9 Jul 2002, Doug Younker wrote:

> On combining the receive audio from multiple receivers and feeding it to a
> single TNC. To what extent would "collisions" be a problem? I'm sure there
> would be a way to prevent it but, a simple idea is not simple no more.

That would work fine for PCsat, and ISS since the are never (<1%) of the
time overhead at the same time... But it would not work if one of them
was on 144.39!

Bob

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289. [aprssig] Re: [amsat-bb] ISS Igates

From: "Andrew Rich" <andrew.rich@bigpond.com>
Date: Wed, 10 Jul 2002 06:20:28 +1000
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-88678-2002.07.09-15.59.40--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

I run a PCSAT / ISS station in the corner of my room.
Diamond vertical. Preamp . LINUX
THD7A(G) on scan 145.825 / 145.800
logs to a file

Andy vk4tec

www.users.bigpond.com/andrew.rich/vk4tec.htm

-----Original Message-----
From: bounce-aprssig-23621@lists.tapr.org
[mailto:bounce-aprssig-23621@lists.tapr.org]On Behalf Of Bob Bruninga
Sent: Wednesday, 10 July 2002 00:11
To: TAPR APRS Special Interest Group
Cc: TAPR APRS Special Interest Group
Subject: [aprssig] Re: [amsat-bb] ISS Igates

On Mon, 8 Jul 2002, Adi Linden wrote:

> > They will. No need to tie up an expensive transceiver if you main purpose is to gate. As I
>
> A thought that came to mind (while grilling my food this evening), what about APRS messaging? Will that work via satellite and is there much use of it? I would think this would require transmit as well.

Yes, but that is another kettle of fish that we havent worked out the details on. It does work just fine as transmit, but only if one station is actually serving as the transmit IGate. We have demonstrated that this does work. But before we would invite IGates to transmit in general back up to the satelities, we need a nother layer of software to be real smart about who and how...

So I would say, that is a few years away. So concentrating on RX only is fine for anyone that wants to...

> I guess it would be possible to combine the audio of all radios and send it into a single TNC.

As long as the squelch operates fast enough. Most rigs do, so that is not a problem as long as you dont have Pagers andother QRM that open the squelches at the wrong times...

> An alternative could be to use a single computer controlled receiver or tranceiver. Assuming it's possible to obtain passtimes of PCSat, ISS, etc, it would be possible to tune the receiving equipment to the desired frequency for the duration of the overhead pass.

That is what APRStk does. It auto tunes the Kenwoods to any satellite in view and also rotates a $64 radio shack rotator if you want....

de WB4APR@amsat.org, Bob

PCsat WEB page	http://www.ew.usna.edu/~bruninga/pcsat.html
ISS-APRS FAQ:	http://www.ew.usna.edu/~bruninga/iss-faq.html
CUBESAT Designs	http://www.ew.usna.edu/~bruninga/cubesat.html
APRS LIVE pages	http://www.ew.usna.edu/~bruninga/aprs.html
APRS SATELLITES	http://www.ew.usna.edu/~bruninga/astars.html
MIM/Mic-E/Mic-Lite	http://www.toad.net/~wclement/bruninga/mic-lite.html

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---

290. [aprssig] APRStt Experimentation

From: Bob Bruninga <bruninga@usna.edu>
Date: Tue, 9 Jul 2002 16:31:02 -0400 (EDT)
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-88681-2002.07.09-16.09.11--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

If anyone is a tinkerer and wants to experiment with APRStt TOuch-tone to APRS conversion for special applications, and is willing to solder up a chip to a DB-25 as shown on the APRStt web page, I have some extra TTone chips...

Please dont ask for one if you only "might" play with it. I only have a few, and it is better to get these into the hands of someone that seriouisly wants to further explore this application... APRStt worked beautifully at Dayton, but I have been silent about it since, because it wasn't till yesterday that I found the chips! (The got lost in the flurry of activity leading up to Dayton)...

Bob

On Thu, 23 May 2002, Bob Bruninga wrote:

> I just posted an experimental version of APRStt00.ZIP so that some of you can experiment with this exciting new potential application for APRS.
>
> I strongly recommend that you only run it on a laptop connected to a short range TNC/Radio (your D7 is perfect) so that you can enter sample DTMF strings on the laptop's keyboard to simnulate DTMF entries and then you can watch on your Base-Station APRS system the resulting packet conversions...
>
> This program is extremely experimental and only an ALPHA test if any.
>
> Download from the http://www.ew.usna.edu/~bruninga/aprstt.html
>
> It comes thinking it is in Dayton, so that you can use the sample paper handouts that we used at Dayton for moving ourselves around in the area, just by entering the LAT/LONG coordinates sketched on the paper maps. (See web page for a copy of the maps)...
>
> Try it out.
>
> de WB4APR@amsat.org, Bob
>
>
> ---
> You are currently subscribed to aprsnews as: BRUNINGA@NADN.NAVY.MIL
> To unsubscribe send a blank email to leave-aprsnews-1106H@lists.tapr.org
> Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org
>

de WB4APR@amsat.org, Bob

PCsat WEB page   http://www.ew.usna.edu/~bruninga/pcsat.html
ISS-APRS FAQ: http://www.ew.usna.edu/~bruninga/iss-faq.html
CUBESAT Designs   http://www.ew.usna.edu/~bruninga/cubesat.html
APRS LIVE pages   http://www.ew.usna.edu/~bruninga/aprs.html
APRS SATELLITES   http://www.ew.usna.edu/~bruninga/astars.html
MIM/Mic-E/Mic-Lite http://www.toad.net/~wclement/bruninga/mic-lite.html

---
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Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

291. [aprssig] WAPRS2.61

From: David VanHorn <dvanhorn@cedar.net>
Date: Tue, 09 Jul 2002 15:44:27 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-88682-2002.07.09-16.22.12--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Is anyone else out there igating with this version?

It appears not to transmit RF traffic to the net, but it does transmit it's own.

Also, What would be triggering the "insufficient pointer space" boxes?

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292. [aprssig] PHG circles revisited

From: Mark Cheavens <mcheavens@usa.net>
Date: Tue, 09 Jul 2002 16:11:58 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-88686-2002.07.09-16.49.47--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Bob,
I agree with the premiss that the current PHG circle calculation is flawed for moving mobile use and that there should be two circles and that the difference between the two is about a .5 multiplier.

BUT, since there are a multitude of different quality transmitters and receivers instead of just giving the user of a program a one shot only approach of dividing the range in 1/2 why not make it a USER definable parameter. That way the USER could tweak the value as needed to accurately represent the coverage area of THEIR station. I know when I am at home I want my home station to show TOTAL coverage and when mobile I want the map to show me mobile coverage.

I also found a major bug in the APRS+SA program and how it deals with PHG circles, but that is covered on the proper list.

The authors should make the PHG circles display the proper sized unless a "correction value" number is entered by the end user. (the authors could then DEFAULT it to .5 for your end result).

All DIGI operators should set PHG values to accurately reflect FIXED GROUND STATION HAAT 0 installations.
PHG range circle calculator available at:
http://www.cheavens.com/mark/radio/packetradio/PHGAPRS.xls

Plug in PHG numbers till you get an ACCURATE range (radius) for FIXED station use.

Mark Cheavens
KC5EVE

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Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

---

293. [aprssig] Re: WAPRS2.61

From: Mark Fellhauer <sparkfel@qwest.net>
Date: Tue, 09 Jul 2002 16:12:01 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-88687-2002.07.09-16.52.05--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

At 03:44 PM 7/9/02, David VanHorn wrote:

>Is anyone else out there igating with this version?
>
>It appears not to transmit RF traffic to the net, but it does transmit
>it's own.

This has been an ongoing problem that I reported to the Sprouls over a year ago - WITH NO RESPONSE FROM THEM.

Based on the originating packet and a number of other variables, WinAPRS does not gate RF traffic to the 'net. This happens most when using AGWPE.

73,

Mark
KC7BXS

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Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

---

294. [aprssig] Differing message lengths

From: Edward Leicester <edwardl@inteliport.com>
Date: Tue, 09 Jul 2002 17:18:18 -0400
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-88689-2002.07.09-16.56.58--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

I'm fairly new at aprs and amateur radio, but enjoy the packet/satellite/aprs modes very much. Being new this should be a fairly easy question to answer based on the posts I've seen on the sig since I subscribed.

I'm running winaprs 2.4.6 on a win95 laptop going to a mfj-1274. It uses an icom-2100 and a 1/4 wave groundplane. Reception is excellant but my question is this. When I send a msg or receive a message many times it seems as if the entire message doesn't make it. Accodring to the docs, the limit is one line (not sure on the # of characters) per message, but that doesn't seem to matter. shorter msgs may be cut off and longer ones may go through or vice versa. there does not appear to be a pattern. is the problem on my end or is it a case of packets being dropped from one digi to another? I can't find any oprions for msg length so I'm, guessing it's the digi's. thanks for any help.

73 de Edward.

--
Edward Leicester
Region 1 Director
North Carolina Baptist Men
Hm 252.426.7246
Pgr 800.283.1212/8880649
KG4QMI 2m/70cm

THY WORD IS A LAMP UNTO MY FEET AND A LIGHT UNTO MY PATH.
PSALMS 119:105
http://www.hertfordbaptist.org

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295. [aprssig] New S.A.M.E. WX radio w/Network Connectivity

From: Mark Fellhauer <sparkfel@qwest.net>
Date: Tue, 09 Jul 2002 18:24:36 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-88716-2002.07.09-19.04.41--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Noy yet released, so it may be vapor-ware.

http://www.sharecom.com/WRP-900.pdf

73,

Mark
KC7BXS

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Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

296. [aprssig] Re: WAPRS2.61

From: "Bill Guthrie" <willy3jax@telocity.com>
Date: Tue, 9 Jul 2002 20:24:47 -0400
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-88723-2002.07.09-19.57.21--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

I am running v2.6.1 and it is Igating to the net. How are you set up?

----- Original Message -----
From: "Mark Fellhauer" <sparkfel@qwest.net>
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Sent: Tuesday, July 09, 2002 5:12 PM
Subject: [aprssig] Re: WAPRS2.61

> At 03:44 PM 7/9/02, David VanHorn wrote:
>
>
> >Is anyone else out there igating with this version?
> >
> >It appears not to transmit RF traffic to the net, but it does transmit
> >it's own.
>
> This has been an ongoing problem that I reported to the Sprouls over a

```
year
> ago - WITH NO RESPONSE FROM THEM.
>
> Based on the originating packet and a number of other variables, WinAPRS
> does not gate RF traffic to the 'net.   This happens most when using
AGWPE.
>
> 73,
>
> Mark
> KC7BXS
>
>
>
> ---
> You are currently subscribed to aprssig as: willy3jax@telocity.com
> To unsubscribe send a blank email to leave-aprssig-842K@lists.tapr.org
> Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org
>
>



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Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org
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297. [aprssig] Re: WAPRS2.61

From: David VanHorn <dvanhorn@cedar.net>
Date: Tue, 09 Jul 2002 19:36:12 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-88727-2002.07.09-20.13.54--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

```
At 08:24 PM 7/9/2002 -0400, Bill Guthrie wrote:
>I am running v2.6.1 and it is Igating to the net. How are you set up?

Correctly, I thought... I'm connected to second, and I'm set to pass RF to
the net, what else do I need?


---
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```

298. [aprssig] Re: WAPRS2.61

From: "Eric Christensen, KF4OTN" <kf4otn@cox.net>
Date: Tue, 9 Jul 2002 21:05:43 -0400
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-88743-2002.07.09-20.44.49--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

```
I would suggest connecting to an AHUB instead of one of the Core
servers.  That way if the one of the Core Servers went down, you
wouldn't be affected.

PRKRAZ 207.218.70.101:2023 is one AHUB, but there are others.

Of course that is just my opinion.  BTW, it sounds like you have
everything else set properly.

73s,
Eric KF4OTN




----- Original Message -----
From: "David VanHorn" <dvanhorn@cedar.net>
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Sent: Tuesday, July 09, 2002 20:36
Subject: [aprssig] Re: WAPRS2.61


At 08:24 PM 7/9/2002 -0400, Bill Guthrie wrote:
>I am running v2.6.1 and it is Igating to the net. How are you set
up?
```

Correctly, I thought... I'm connected to second, and I'm set to pass
RF to
the net, what else do I need?

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---

299. [aprssig] Re: Palm "Laptop"

From: Gregg Martell <gmartell@pobox.com>
Date: Tue, 09 Jul 2002 22:20:07 -0400
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-88756-2002.07.09-21.54.29--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

There is a PDF on the website that shows the wide screen split into 3 when
using graffiti.   So it looks like you can run it in "normal" screen
width. I didn't see anything about pricing. It would have to be $500 or
less for me to consider purchasing one. I already have two laptops, so I
would only purchase if the price was reasonable and I could convince the
spouse that I really need it. ;)

Gregg
kb3gmv

At 11:37 PM 7/8/02 +0000, Jason Rausch wrote:
>This may be a good option. Since the LCD is not the dimensions of a
>typical Palm unit, I'm not sure how well the typical version of PocketAPRS
>would run on it. I'm sure it can re-format most screens with text and
>simple graphics, but I would be interested to see how it would manage the
>map screens. Looks neat though.
>
>73's
>Jason KE4NYV
>www.ke4nyv.com
>
>---
>You are currently subscribed to aprssig as: gmartell@pobox.com
>To unsubscribe send a blank email to leave-aprssig-842K@lists.tapr.org
>Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

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Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

---

300. [aprssig] Re: Palm "Laptop"

From: Dakota Summerhawk <Dakotas@dotorg.org>
Date: Tue, 9 Jul 2002 20:47:05 -0600
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-88757-2002.07.09-22.12.59--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

I have found that the HP jornada 600 series on ebay for around $200
if that helps. I am running APRS CE right now in the car with a pico
and a GPS hooked into a G71 from kenwood for portable work.
Just my $0.02 on the matter
Dakota
Gregg Martell <gmartell@pobox.com> wrote:
(07/09/2002 20:20)

>There is a PDF on the website that shows the wide screen split into 3 when
>using graffiti.   So it looks like you can run it in "normal" screen
>width. I didn't see anything about pricing. It would have to be $500 or

```
>less for me to consider purchasing one.  I already have two laptops, so I
>would only purchase if the price was reasonable and I could convince the
>spouse that I really need it. ;)
>
>Gregg
>kb3gmv
>
>At 11:37 PM 7/8/02 +0000, Jason Rausch wrote:
>>This may be a good option.  Since the LCD is not the dimensions of a
>>typical Palm unit, I'm not sure how well the typical version of PocketAPRS
>>would run on it.  I'm sure it can re-format most screens with text and
>>simple graphics, but I would be interested to see how it would manage the
>>map screens.  Looks neat though.
>>
>>73's
>>Jason KE4NYV
>>www.ke4nyv.com
>>
>>---
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>>Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org
>
>
>---
>You are currently subscribed to aprssig as: Dakotas@dotorg.org
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Dakota Sumerhawk
System Administrator/Radio Monkey

---
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```

---

301. [aprssig] Re: [amsat-bb] ISS Igates

From: bob evinger <wd9eka@evinger.com>
Date: Wed, 10 Jul 2002 21:35:52 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: TAPR APRS Special Interest Group <aprssig@lists.tapr.org>
Message-ID: <LYR842-88758-2002.07.09-22.17.30--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

```
Unless Xastir will run in a displayless mode it wont do me any good. Yes
I use Xastir as my client when I want to see what is going on out on the
aprs network. BUT  the machine I have devoted to serving as my
igate/wx/mail server is a P5-90 with 64meg of ram and RedHat 7.1. It
runs headless and w/o keyboard unless I need to service it in someway
that I cant from my main computer. My primary machine is only on when I
am in the shack doing interactive stuff.  That is why I run aprsd. I
havent delved into the intricasies of Xastir other than the basics but
was under the impression it didnt like not having a display. Plus I am
running my own weather collection utility that uses aprsd's udp sockets
for sending the weather data out to both rf and internet. I dont think
xastir will work for me the way I need/want to operate my setup here.

     bob


Curt Mills, WE7U wrote:

> On Mon, 8 Jul 2002, Adi Linden wrote:
>
>
>>To make this work using multiple receivers, wouldn't it also require
>>multiple TNC's and serial ports as well as multiple instances of the Igate
>>software?
>>
>
> Multiple instances of igate software?  No.  Easier ways to do it:
>
> Xastir can handle up to 10 interfaces (more if you tweak one define
> and recompile), so you could have nine radio/TNC's connected and one
> network connection, or any combination thereof.  Someone who really
> wants to beat it to death could recompile for 30 or 50 interfaces.
> Several multi-serial port cards are supported under Linux.
> RocketPort cards work well.
```

>
> I think aprsd can handle multiple radio ports as well. Someone
> correct me if I'm wrong. I haven't used it for a while and when I
> did I had only one TNC connected.
>
> You might also be able to stuff several sound cards into a Linux PC
> and set up the soundmodem software with 2 radios connected to each
> sound card. This would eliminate a lot of TNC's.
>
> Curt Mills, WE7U   hacker.NO_*SPAM@tc.fluke.com
> Senior Methods Engineer/SysAdmin
> "Lotto: A tax on people who are bad at math." -- unknown
> "Windows: Microsoft's tax on computer illiterates." -- WE7U
>
>
> ---
> You are currently subscribed to aprssig as: wd9eka@evinger.com
> To unsubscribe send a blank email to leave-aprssig-842K@lists.tapr.org
> Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org
>
>
>
>

--
Bob Evinger   WD9EKA/AAR5MG(Army MARS operator)
If Guns Cause Crime, Then Matches Cause Arson.

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302. Available; Subsidies, Grants, Loans, Financing and General help.

From: "MG Publishing" <mgpub10@cgocable.ca>
Date: Tue, 9 Jul 2002 22:59:42 -0400
To: <lyris.aprssig@tapr.org>
Message-ID: <20020710025938.4C91869221@mx1.mail.twtelecom.net>
Rendered body type: text/plain

MG PUBLISHING
4865 HWY 138,R.R 1
ST-ANDREWS WEST
ONTARIO, KOC 2A0

PRESS RELEASE

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ISBN 2-922870-01-4 (2001)

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only).

303. [aprssig] Re: WAPRS2.61

From: Mark Fellhauer <sparkfel@qwest.net>
Date: Tue, 09 Jul 2002 22:03:35 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-88759-2002.07.09-22.43.59--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

```
At 07:24 PM 7/9/02, Bill Guthrie wrote:

>I am running v2.6.1 and it is Igating to the net. How are you set up?
>

Currently, I have the Sioux Falls Igate shut down due to various technical
reasons.   One being the lack of reliability of WinAPRS.

Again WinAPRS 2.x will gate to the net providing you are not running
through AGWPE.    Some compressed packets seem to get gated when running
AGWPE and some don't.   This has been verified by two other people on the SIG.

I have also found that certain stations that plot on WinAPRS do not gate to
RF (even when not using AGWPE).  This seems to be dependent on the
equipment used and packet types sent.

I have posted several messages about this to the SIG and to the Sprouls
privately, but have gotten little response from the Group and NO RESPONSE
from the Sprouls.  I also shared this information with Ralph Milnes and
George Rossopoulos.   I got a brief message back from Ralph, but never
heard back from George.

Personally, I have wasted enough of my time investigating this, especially
when bug reports get ignored by the authors...


73,

Mark



---
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```

304. [aprssig] Re: WAPRS2.61

From: David VanHorn <dvanhorn@cedar.net>
Date: Tue, 09 Jul 2002 23:02:02 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-88761-2002.07.09-23.39.30--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

```
>
>Again WinAPRS 2.x will gate to the net providing you are not running
>through AGWPE.    Some compressed packets seem to get gated when running
>AGWPE and some don't.   This has been verified by two other people on the SIG.

I'm not running AGWPE.

   I also shared this information with Ralph Milnes and George
Rossopoulos.   I got a brief message back from Ralph, but never heard back
from George.


Who are these guys?


---
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```

305. [aprssig] Re: [amsat-bb] ISS Igates

From: Matthew.Cook@tekelek.com.au
Date: Wed, 10 Jul 2002 15:20:44 +0930

To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-88773-2002.07.10-01.30.13--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

```
The VrzApDxw group in the Netherlands have the software you need to set
this up, checkout Digined.

http://www.homepages.hetnet.nl/~remko/software/diginedE.htm

In the documentation they have a worked example that shows how you can
configure a multiport digipeater to feed an Igate in linux.

I have been experimenting with a linux PCSat and ISS gateway for a couple
of months using Digined.   I have two radios that feed a type 2 DRSI card
in a linux box from 145.825 and 145.800.   The digined software grabs the
UI frames off these two ports and forwards them to a local loopback port in
my ax25 network layer, aprsd sits on the other end of this loopback pipe
and routes the information to the internet for me.   I can add any number
of ax25 ports to my system and then setup rules in Digined regarding what
is gated to the internet, between ports or back to the local channel for
that matter.   Still have to obtain/tune some cavity filters for the ISS
transmit frequency and get the system running on one antenna so that should
keep me busy for a while.

I hope to get the system onto the net  over the comming months, I may be a
little late for useful PCSat work but hopefully there might be something
else in the future to play with.   The possibilities are endless.

If anyone wants further information, let me know.

Regards

Matthew Cook
VK5ZMC




---
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```

306. [aprssig] Satellite Antenna's

From: Matthew.Cook@tekelek.com.au
Date: Wed, 10 Jul 2002 15:45:33 +0930
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-88777-2002.07.10-01.54.57--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

```
Speaking of Sat Gates, what antenna's have people used with PCSat and ISS ?
I have trialed 1/4 wave antenna's and have been less than impressed with
their overall performance.   Australia is very big so it is a long way
between Sat Gates so more horizon to horizon coverage I can pull from an
antenna the better.

I have been considering trying either a Moxon or Quadfiliar Helix and have
found quite a few designs for 2m off the net.   Has anyone built either of
these and had bad experiences or have hints/tips ?

73's

Matthew
VK5ZMC




---
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```

307. [aprssig] Re: [aprssig]ISS Igates

From: Bill Vodall - WA7NWP <wa7nwp@yahoo.com>
Date: Tue, 09 Jul 2002 23:40:28 -0700
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-88778-2002.07.10-02.18.45--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

```
> > The digined software grabs the
>UI frames off these two ports and forwards them to a local loopback port in
>my ax25 network layer, aprsd sits on the other end of this loopback pipe
>and routes the information to the internet for me.


The thing to watch out for here is if somebody sends an APRS message to
one of the stations you've heard via the satellite.   aprsd will probably think
it's a local station and respond by forwarding the message out your local
lan.   I had this problem when bringing some of the HF traffic over to the
local VHF circuit.   It's not a big thing but something to watch for if it
creates too much spurious local traffic.

Digi_ned needs a rule to create 3rd party headers to get around this.

73,
Bill - WA7NWP



---
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```

308. [aprssig] Re: WAPRS2.61

From: WA8LMF2@aol.com
Date: Wed, 10 Jul 2002 03:14:21 EDT
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-88779-2002.07.10-02.53.03--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

```
In a message dated 7/9/02 9:03:43 PM Pacific Daylight Time,
dvanhorn@cedar.net writes:

> 'm not running AGWPE.
>
>     I also shared this information with Ralph Milnes and George
>  Rossopoulos.   I got a brief message back from Ralph, but never heard back
>  from George.
>
>
>  Who are these guys?
>

Ralph Milnes -- author of the Soundcard Packet page at :
   http://www.qsl.net/soundcardpacket

George Rossopoulos -- SV2AGW, author of the AGW Packet Engine sound card
"soft TNC" packet program.


Stephen H. Smith                   wa8lmf @ aol.com
Home Page:
http://members.aol.com/wa8lmf
Ham Radio/Mobile SSTV page:     http://members.aol.com/wa8lmf/ham
APRS Stuff
http://members.aol.com/wa8lmf/aprs
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----------
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```

309. [aprssig] RE: Satellite Antenna's

From: "Andrew Rich" <andrew.rich@bigpond.com>
Date: Wed, 10 Jul 2002 19:59:50 +1000
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>

Message-ID: <LYR842-88784-2002.07.10-05.38.00--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Diamond x-200a inside roof with pre-amp, 6 ele quad, quad helix,

Quad helix is a goer, altho mine has gone hi R

andy

www.users.bigpond.com/andrew.rich/vk4tec.htm

-----Original Message-----
From: bounce-aprssig-23621@lists.tapr.org
[mailto:bounce-aprssig-23621@lists.tapr.org]On Behalf Of
Matthew.Cook@tekelek.com.au
Sent: Wednesday, 10 July 2002 16:16
To: TAPR APRS Special Interest Group
Subject: [aprssig] Satellite Antenna's

Speaking of Sat Gates, what antenna's have people used with PCSat and ISS ?
I have trialed 1/4 wave antenna's and have been less than impressed with
their overall performance. Australia is very big so it is a long way
between Sat Gates so more horizon to horizon coverage I can pull from an
antenna the better.

I have been considering trying either a Moxon or Quadfiliar Helix and have
found quite a few designs for 2m off the net. Has anyone built either of
these and had bad experiences or have hints/tips ?

73's

Matthew
VK5ZMC

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310. [aprssig] Where Were Wx Warnings?

From: "hasan schiers" <schiers@netins.net>
Date: Wed, 10 Jul 2002 08:51:06 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-88789-2002.07.10-09.29.20--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

We had some very severe wx go through central and western Iowa this morning
and not a single warning got issued via aprs. I can't recall this ever
happening before and I haven't changed anything recently here, other than
upgrading to ver 2.14 of APRS+SA. I don't think it's the software, because
the other Igate in our area running different software, didn't issue the
warnings either.

Is there something wrong with the national internet feed for wx warnings
that would explain this, or do I need to do some more digging here in the
shack?

(pse no peanut gallery stuff like "don't depend on aprs for safety"...I'm
looking for an explanation for the absence of warnings, not a discussion on
what aprs is or isn't good for.) 73

hasan schiers, N0AN

schiers@netins.net
or use amsat.org or arrl.net remailer

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311. [aprssig] Re: PCMCIA to serial?

From: LAIRD STANTON <LAIRD_STANTON@alexandria-emh1.army.mil>
Date: Wed, 10 Jul 2002 10:08:04 -0400
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-88793-2002.07.10-09.40.12--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Doesn't the 9 pin RS232 connector have secondary Rx and Tx, or was that
only on the 25pin?

Laird
N3HLL

-----Original Message-----
From: Rich Osman <Rich@Osman.com>@AMC
Sent: Saturday, June 29, 2002 11:57 PM
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Subject: [aprssig] Re: PCMCIA to serial?

(Embedded image moved to file: pic17896.pcx)
What I'd like to be able to do is write a software serial port for
Win98 that
operates on the DTR/DSR or CTS/RTS lines. I know how to write the
UART code,
but I'm clueless about windows drivers.

--
mailto:Rich@Osman.com http://www.rich.osman.com
Rich Osman; POB 93167; Southlake, TX 76092 (Near DFW Airport) ARS:
N1OZ

[Attachment: pic17896.pcx; application/octet-stream; 2,707 bytes]

312. [aprssig] Re: PCMCIA to serial?

From: "Mike Yetsko" <myetsko@insydesw.com>
Date: Wed, 10 Jul 2002 10:07:52 -0400
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-88794-2002.07.10-09.48.49--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

----- Original Message -----
From: "LAIRD STANTON" <LAIRD_STANTON@alexandria-emh1.army.mil>

> Doesn't the 9 pin RS232 connector have secondary Rx and Tx, or was that
> only on the 25pin?
>
> Laird

Well, think about it for a second... Just how many signals are on an
RS-232 line? If you support status and flow control, right there you
bump your 9 pins. The DB-9 was just a convenient reduction for
physical space and the 'common minimum' for modem use on an
RS-232 port.

Of course, you can use any connector you want. Some people use
modular phone (6P6C or 6P4C, like HP with some of their printers
that were set up for office sharing), some use RJ-45. You can always
trade off 'something'.

Mike

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313. [aprssig] Re: Fried Mazda 626 Computer w/2M ?

From: LAIRD STANTON <LAIRD_STANTON@alexandria-emh1.army.mil>
Date: Wed, 10 Jul 2002 10:25:44 -0400
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-88795-2002.07.10-09.57.31--lyris.aprssig#tapr.org@lists.tapr.org>

Rendered body type: text/plain

```
On my Mazda B2300 (Ford Ranger) the wipers occasionally come on by
themselves for several cycles at high rate.  Sometimes they stop,
sometimes by turning on then off the wiper switch they stop.  2M Tx
(40W) doesn't appear to cause this, suspect speed radar or much higher
Tx near by may.

    -----Original Message-----
   From:   David VanHorn <dvanhorn@cedar.net>@AMC
   Sent:   Sunday, June 30, 2002 2:56 PM
   To:     "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
   Subject:  [aprssig] Re: Fried Mazda 626 Computer w/2M ?

   (Embedded image moved to file: pic23532.pcx)
   At 06:40 PM 6/30/2002 +0000, wa4tkg@attbi.com wrote:
   >I belive it is possible I may have FRIED the cars'
   >computer with a 2M rig.....the radio always seemed
   >to SHUT DOWN, and not operate well;
   >likely due to the poor antenna that was being used.
   >Is it possible I FRIED the car computer by having a
   >BAD installation in the car?


   Possible, but not likely.
   You would have to induce enough RF into the computer to kill
   components
   that are designed to survive 400V alternator load dump transients on
   the
   external wiring.

   Directly coupling the antenna out to the computer's leads would be
   one way
   to kill it. Otherwise, I don't think you could transfer enough energy
   for
   anything beyond a minor upset.

   In my old explorer, if I ran >100W on VHF, the rear window wiper
   would come
   on by itself.




   ---
   You are currently subscribed to aprssig as: lstanton@hqamc.army.mil
   To unsubscribe send a blank email to
   leave-aprssig-842K@lists.tapr.org
   Questions regarding the SIG go to the SIG administrator:
   wa1lou@tapr.org
```

[Attachment: pic23532.pcx; application/octet-stream; 2,707 bytes]

314. [aprssig] Re: Fried Mazda 626 Computer w/2M ?

From: "Mike Yetsko" <myetsko@insydesw.com>
Date: Wed, 10 Jul 2002 10:28:36 -0400
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-88796-2002.07.10-10.09.25--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

```
----- Original Message -----
From: "LAIRD STANTON" <LAIRD_STANTON@alexandria-emh1.army.mil>


> On my Mazda B2300 (Ford Ranger) the wipers occasionally come on by
> themselves for several cycles at high rate.  Sometimes they stop,
> sometimes by turning on then off the wiper switch they stop.  2M Tx
> (40W) doesn't appear to cause this, suspect speed radar or much higher
> Tx near by may.

I doubt it.  Speed Radar that is.  It's VERY low power, and even has
trouble getting through some tinted windshields to be picked up by
radar detectors.  (Opps, sorry.  Radar detectors are still illegal in a
few
places, so "Application Specific Field Strength Indicators", ok?)

Besides, the computers are usually way down where they are really
shielded by the body of the vehicle.

Look for a bad connection.

Or...  Even fluctuating voltage.  A lot of new vehicles just feed the
```

potentiometer voltage to the computer to do things like the vehicle
heater. Sometimes it's not so obvious what they are doing in the
more modern cars, like my Intrepid. It reads some SWITCHES
by A2D! And in a LOT of new cars, the wiper is read by A2D.
Hmm, does your pulse wiper circuit pick up the slightest change
of your 'rate' and do a wipe? In the older systems with 'one-shots',
moving the rate of the wiper just changed the charge rate on the
cap in the one-shot, and moving it wouldn't necessarily trigger another
wipe immediately. On the newer systems it does. I wouldn't be
surprised if an A2D system was susceptible to voltage fluctuations
or even ground glitches...

On the other hand, wiper motors have a 'return to rest' feed to the motor.
If the motor is dirty or the contacts internal loose, it could get
activated
at weird times to make a single swipe.

Mike

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---

315. [aprssig] RE: Where Were Wx Warnings?

From: "AE5PL Lists" <HamLists@ametx.com>
Date: Wed, 10 Jul 2002 09:41:34 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-88797-2002.07.10-10.19.45--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Looks like WXSVR has been down since about 0200z today. The last solar
notice (done every hour at 36-37 minutes after) was at 0137z. I just
checked the core status pages and WXSVR does not show up.

73,

Pete Loveall AE5PL
http://www.ae5pl.net
mailto:pete@ae5pl.net

> -----Original Message-----
> From: hasan schiers [mailto:schiers@netins.net]
> Posted At: Wednesday, July 10, 2002 8:53 AM
> Subject: [aprssig] Where Were Wx Warnings?
>
> Is there something wrong with the national internet feed for
> wx warnings
> that would explain this, or do I need to do some more digging
> here in the
> shack?

You are currently subscribed to aprssig as: lyris.aprssig@tapr.org
To unsubscribe send a blank email to leave-aprssig-842K@lists.tapr.org
Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

---

316. [aprssig] Re: Fried Mazda 626 Computer w/2M ?

From: LAIRD STANTON <LAIRD_STANTON%Exchange@alexandria-emh1.army.mil>
Date: Wed, 10 Jul 2002 10:51:12 -0400
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-88799-2002.07.10-10.23.43--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

It is wierd, but like the once a week single miss, not worth bothering
with. Interesting point, I understaand that in Va, "Application
Specific Field Strength Indicators", and scanners are illegal in
vehicles, unless you are a HAM.   They are legal in Md, and I'm not
sure about DC. No big thing, DC streets are so bad you couldn't speed
on them anyway.

-----Original Message-----
From: "Mike Yetsko" <myetsko@insydesw.com>@AMC
Sent: Wednesday, July 10, 2002 10:29 AM
To: "LAIRD STANTON" <LAIRD_STANTON@alexandria-emh1.army.mil>;
        "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Subject: Re: [aprssig] Re: Fried Mazda 626 Computer w/2M ?

(Embedded image moved to file: pic00395.pcx)

----- Original Message -----
From: "LAIRD STANTON" <LAIRD_STANTON@alexandria-emh1.army.mil>

> On my Mazda B2300 (Ford Ranger) the wipers occasionally come on by themselves for several cycles at high rate. Sometimes they stop, sometimes by turning on then off the wiper switch they stop. 2M Tx (40W) doesn't appear to cause this, suspect speed radar or much higher Tx near by may.

I doubt it. Speed Radar that is. It's VERY low power, and even has trouble getting through some tinted windshields to be picked up by radar detectors. (Opps, sorry. Radar detectors are still illegal in a few places, so "Application Specific Field Strength Indicators", ok?)

Besides, the computers are usually way down where they are really shielded by the body of the vehicle.

Look for a bad connection.

Or... Even fluctuating voltage. A lot of new vehicles just feed the potentiometer voltage to the computer to do things like the vehicle heater. Sometimes it's not so obvious what they are doing in the more modern cars, like my Intrepid. It reads some SWITCHES by A2D! And in a LOT of new cars, the wiper is read by A2D. Hmm, does your pulse wiper circuit pick up the slightest change of your 'rate' and do a wipe? In the older systems with 'one-shots', moving the rate of the wiper just changed the charge rate on the cap in the one-shot, and moving it wouldn't necessarily trigger another wipe immediately. On the newer systems it does. I wouldn't be surprised if an A2D system was susceptible to voltage fluctuations or even ground glitches...

On the other hand, wiper motors have a 'return to rest' feed to the motor. If the motor is dirty or the contacts internal loose, it could get activated at weird times to make a single swipe.

Mike

[Attachment: pic00395.pcx; application/octet-stream; 2,707 bytes]

---

317. [aprssig] RE: B-Truck Wipers

From: LAIRD STANTON <LAIRD_STANTON%Exchange@alexandria-emh1.army.mil>
Date: Wed, 10 Jul 2002 10:57:26 -0400
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: TAPR APRS Special Interest Group <aprssig@lists.tapr.org>
Message-ID: <LYR842-88803-2002.07.10-10.30.26--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Good man to have on the SIG!!! It is a 96 model year, purchased late 96.

-----Original Message-----
From: Mark Cheavens <mcheavens@usa.net>@AMC
Sent: Wednesday, July 10, 2002 10:42 AM
To: LAIRD STANTON <LAIRD_STANTON@alexandria-emh1.army.mil>
Cc: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Subject: B-Truck Wipers

(Embedded image moved to file: pic28243.pcx)
Take it to the dealer...There is a service bulletin that covers this. Depending upon the production date it involves the wiper switch and possibly the "GEM" or "CKT" module.

Mark Cheavens
Field Service Engineer
Mazda North American Operations

At 10:25 AM 7/10/2002 -0400, LAIRD STANTON wrote:
>On my Mazda B2300 (Ford Ranger) the wipers occasionally come on by
>themselves for several cycles at high rate. Sometimes they stop,

```
>sometimes by turning on then off the wiper switch they stop.  2M Tx
>(40W) doesn't appear to cause this, suspect speed radar or much
higher
>Tx near by may.
>
>     -----Original Message-----
>    From:   David VanHorn <dvanhorn@cedar.net>@AMC
>    Sent:   Sunday, June 30, 2002 2:56 PM
>    To:     "TAPR APRS Special Interest Group"
<aprssig@lists.tapr.org>
>    Subject:  [aprssig] Re: Fried Mazda 626 Computer w/2M ?
>
>    (Embedded image moved to file: pic23532.pcx)
>    At 06:40 PM 6/30/2002 +0000, wa4tkg@attbi.com wrote:
>    >I belive it is possible I may have FRIED the cars'
>    >computer with a 2M rig.....the radio always seemed
>    >to SHUT DOWN, and not operate well;
>    >likely due to the poor antenna that was being used.
>    >Is it possible I FRIED the car computer by having a
>    >BAD installation in the car?
>
>
>    Possible, but not likely.
>    You would have to induce enough RF into the computer to kill
>    components
>    that are designed to survive 400V alternator load dump
transients on
>    the
>    external wiring.
>
>    Directly coupling the antenna out to the computer's leads would
be
>    one way
>    to kill it. Otherwise, I don't think you could transfer enough
energy
>    for
>    anything beyond a minor upset.
>
>    In my old explorer, if I ran >100W on VHF, the rear window wiper
>    would come
>    on by itself.
>
>
>
>    ---
>    You are currently subscribed to aprssig as:
lstanton@hqamc.army.mil
>    To unsubscribe send a blank email to
>    leave-aprssig-842K@lists.tapr.org
>    Questions regarding the SIG go to the SIG administrator:
>    wa1lou@tapr.org
```

[Attachment: pic28243.pcx; application/octet-stream; 2,707 bytes]

318. [aprssig] Re: Where Were Wx Warnings?

From: "" <ka0azs@commkey.net>
Date: Wed, 10 Jul 2002 11:10:11 -0400
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-88804-2002.07.10-10.48.23--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

```
I did get some WX warnings on my home station for Eastern Indiana and Ohio last night.  Just is case
it's a useful data point

(APRSMAX software, parsing for messages from Wilmington NWS office (ILN))

----- Original Message -----
From: hasan schiers
Sent: 7/10/2002 9:51:06 AM
To: aprssig@lists.tapr.org
Subject: [aprssig] Where Were Wx Warnings?

> We had some very severe wx go through central and western Iowa this morning
> and not a single warning got issued via aprs. I can't recall this ever
> happening before and I haven't changed anything recently here, other than
> upgrading to ver 2.14 of APRS+SA. I don't think it's the software, because
> the other Igate in our area running different software, didn't issue the
> warnings either.
>
> Is there something wrong with the national internet feed for wx warnings
```

> that would explain this, or do I need to do some more digging here in the
> shack?
>
> (pse no peanut gallery stuff like "don't depend on aprs for safety"...I'm
> looking for an explanation for the absence of warnings, not a discussion on
> what aprs is or isn't good for.) 73
>
> hasan schiers, N0AN
>
> schiers@netins.net
> or use amsat.org or arrl.net remailer
>
>
>
> ---
> You are currently subscribed to aprssig as: ka0azs@commkey.net
> To unsubscribe send a blank email to leave-aprssig-12994I@lists.tapr.org
> Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org
>

You are currently subscribed to aprssig as: lyris.aprssig@tapr.org
To unsubscribe send a blank email to leave-aprssig-842K@lists.tapr.org
Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

319. [aprssig] Digis

From: "Josh Gould" <kc8eqa@columbus.rr.com>
Date: Wed, 10 Jul 2002 11:25:13 -0400
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-88805-2002.07.10-11.03.56--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Does any one know if there are any digis in southern ohio? I was on a
road trip yesterday and had the APRS side of the D-700 turned on, on the
return trip. On findu only one of my packets made it to the APRSIS even
though I was driving through areas that I know have IGates.(namely
Franklin, Northern Pickaway Counties) Any Ideas?

73□s
Josh
KC8EQA
EN80KA

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To unsubscribe send a blank email to leave-aprssig-842K@lists.tapr.org
Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

320. [aprssig] RE: Where Were Wx Warnings?

From: Bill Vodall - WA7NWP <wa7nwp@yahoo.com>
Date: Wed, 10 Jul 2002 08:26:42 -0700
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-88807-2002.07.10-11.04.55--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

At 09:41 AM 7/10/02 -0500, AE5PL Lists wrote:
>Looks like WXSVR has been down since about 0200z today.

We need alternate and backup Weather Servers..   The advantage of Amateur Radio
is it's a distributed resource.   It would be good for a regional group
to be able to fetch and distribute their own Wx reports.

73,
Bill - WA7NWP

You are currently subscribed to aprssig as: lyris.aprssig@tapr.org
To unsubscribe send a blank email to leave-aprssig-842K@lists.tapr.org
Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

321. [aprssig] A voice for APRStt

From: Bob Bruninga <bruninga@usna.edu>
Date: Wed, 10 Jul 2002 11:34:54 -0400 (EDT)
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-88808-2002.07.10-11.13.05--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

For APRStt, I now have my old DOS laptop speaking from a WAV file thanks
to a suggestion from Wes Johnson. Just 8 resistors on the LPT1 port gives
mic-level audio and the following QBasic code will speak an 8K mono WAV
file out the LPT1 port... no sound card, no Winders, no nothing...

Does anyone have a set of 8K WAV files for the numerals and alphabet
already so that APRStt can speak callsigns? Here is the QBASIC code:

```
----------------------------------------------------------------------
 N=2                        'adjust N for the speed of your PC.
                            'N =2 works for my 25 MHz laptop
 OPEN "xxx.wav" FOR INPUT AS #1
 DO UNTIL EOF(1)
    A$=INPUT$(1,1)
    OUT 888, ASC(A$)
    FOR J = 1 to N: NEXT
 LOOP                      'actually it should not start outputting data
 CLOSE                     'until the 60th byte, but out of 8000 bytes a
 END                       'second, the added code is not worth destroying
                           'the simplicity of this example.
--------------------------------------------------------------------------
```

Thats all there is to it!   The D/A resistors on the LPT1 port are:

```
pin 2 620K     'simply join all these together to a 390 ohm to GND
pin 3 330K     'and then insert a 10uF cap to be your audio output.
pin 4 160K
pin 5  82K     'the result is about 10 dB greater than mic-level audio
pin 6  39K     'giving you plenty of signal to trim down as needed
pin 7  20K     'Or use a 1500 ohm instead of the 390 ohm to get
pin 8  10K     'something closer to mic-level directly...
pin 9   5K
```

Duh... I guess I could put a voice now on APRSdos to speak when you have
new messages and so forth (it can only play back pre-recorded WAV files,
not actually read the messages...) But I dont see any real benefit to
this since APRSdos already sends you CW clues as to what is happening...
and it is a lot simpler... ANy suggestions as to any benefit here?

de WB4APR@amsat.org, Bob

---
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Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

322. [aprssig] RE: Where Were Wx Warnings?

From: David VanHorn <dvanhorn@cedar.net>
Date: Wed, 10 Jul 2002 10:42:34 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-88809-2002.07.10-11.20.26--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

At 08:26 AM 7/10/2002 -0700, Bill Vodall - WA7NWP wrote:
>At 09:41 AM 7/10/02 -0500, AE5PL Lists wrote:
> >Looks like WXSVR has been down since about 0200z today.
>
>We need alternate and backup Weather Servers..   The advantage of Amateur
>Radio is it's a distributed resource.   It would be good for a regional
>group to be able to fetch and distribute their own Wx reports.

What would it take to set these up?

---
You are currently subscribed to aprssig as: lyris.aprssig@tapr.org
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Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

323. [aprssig] APRS Grows in Japan

From: Bob Bruninga <bruninga@usna.edu>
Date: Wed, 10 Jul 2002 11:46:49 -0400 (EDT)
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: amsat-bb@amsat.org, TAPR APRS SIG <aprssig@lists.tapr.org>
Message-ID: <LYR842-88810-2002.07.10-11.25.15--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

```
N2LBT observed several APRS stations coming on line in Japan.  You can
look at all of them on the FINDU.COM web page and then just select "nearby
stations" to see all of them.

 http://www.findu.com/cgi-bin/find.cgi?call=JA1VSY-2

Its intersting to see the variety of APRS in use:

JA1VSY  UIview 50 mi NW of Tokyo
JK1MLY  MacAPRS 15 mi in W.Tokyo
JL1STM  WinAPRS a PCsat IGate on 145.825
JO3SEN  Kenwood 10 mi NW of Yokohama (two stations on the air)
JA1YKX  WinAPRS YOKHHAMA  (The Kenwood Club station)
JL1IBD  Kenwood moile in Yokohama
JA2HNR  UIview 22 mi NE of Shizuoka
JA2RLO  UIview 35 mi SE of Nagoya
JA2CMJ  UIview 18 mi SW of Nagoya

It won't take too many more stations on the air to form the critical
mass necessary to provide a live RF network since, in APRS, any home
stations are automatically a digipeater for everyone else.

FREQ is 144.640 MHz and typical digipeater paths are RELAY or WIDE or
WIDEn-N for the few that are UIview stations...

So if you are in Japan, and you have a radio and TNC (or soundcard and
recent APRS software that can use it), put those radios on the air on
144.640 MHz and lets get the RF network on the air!

de WB4APR, Bob
```

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To unsubscribe send a blank email to leave-aprssig-842K@lists.tapr.org
Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

324. [aprssig] Re: Digis

From: "Gregg G. Wonderly" <gregg@skymaster.c2-tech.com>
Date: Wed, 10 Jul 2002 10:49:00 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: TAPR APRS Special Interest Group <aprssig@lists.tapr.org>
Message-ID: <LYR842-88811-2002.07.10-11.28.07--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

```
>Does any one know if there are any digis in southern ohio?  I was on a
>road trip yesterday and had the APRS side of the D-700 turned on, on the
>return trip.  On findu only one of my packets made it to the APRSIS even
>though I was driving through areas that I know have IGates.(namely
>Franklin, Northern Pickaway Counties)  Any Ideas?

I have no knowledge of this are, but what was your path set to?  You may have
gotten bit by the "No RELAY here, sorry" issue...

-----
gregg@cytetech.com  (Cyte Technologies Inc)
```

You are currently subscribed to aprssig as: lyris.aprssig@tapr.org
To unsubscribe send a blank email to leave-aprssig-842K@lists.tapr.org
Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

325. [aprssig] RE: Where Were Wx Warnings?

From: "AE5PL Lists" <HamLists@ametx.com>
Date: Wed, 10 Jul 2002 10:55:37 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>

Message-ID: <LYR842-88812-2002.07.10-11.33.44--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

```
> -----Original Message-----
> From: Bill Vodall - WA7NWP [mailto:wa7nwp@yahoo.com]
> Posted At: Wednesday, July 10, 2002 10:32 AM
> Subject: [aprssig] RE: Where Were Wx Warnings?
>
> We need alternate and backup Weather Servers..   The

Maybe another use for the backup findu server?  It is my understanding
that we do have emwin transmissions in the DFW area (where the backup
findu server is).  Dale, would this be a possibility?

73,

Pete Loveall AE5PL
http://www.ae5pl.net
mailto:pete@ae5pl.net


---
You are currently subscribed to aprssig as: lyris.aprssig@tapr.org
To unsubscribe send a blank email to leave-aprssig-842K@lists.tapr.org
Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org
```

326. [aprssig] Re: A voice for APRStt

From: Bob Bruninga <bruninga@usna.edu>
Date: Wed, 10 Jul 2002 12:22:19 -0400 (EDT)
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-88813-2002.07.10-12.00.29--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

```
CORRECTION:
> I now have my old DOS laptop speaking from a WAV file... <SNIP>
> Thats all there is to it!   The D/A resistors on the LPT1 port are:
>
> pin 2 620K     'simply join all these together to a 390 ohm to GND
> pin 3 330K     'and then insert a 10uF cap to be your audio output.
> pin 4 160K
> pin 5  82K     'the result is about 10 dB greater than mic-level audio
> pin 6  39K     'giving you plenty of signal to trim down as needed
> pin 7  20K     'Or use a 1500 ohm instead of the 390 ohm to get
> pin 8  10K     'something closer to mic-level directly...
> pin 9   5K

OOPS, the level is about 26 dB too strong for Mic-level.  To have the
output be Mic-level, change the 390 ohm load resistor above to an 18 ohm
resistor or so (not the 1500 ohm I suggested above)...

de WB4APR, Bob



---
You are currently subscribed to aprssig as: lyris.aprssig@tapr.org
To unsubscribe send a blank email to leave-aprssig-842K@lists.tapr.org
Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org
```

327. [aprssig] Re: Digis

From: "J.Duffy Beischel" <wb8nut@arrl.net>
Date: Wed, 10 Jul 2002 11:28:15
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-88814-2002.07.10-12.06.21--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

```
Well I have a Digi on the east side of Cincinnati (WB8NUT) and I have
driven from Cincinnati to the Dayton/Xenia area and have always gotten good
coverage along the entire route when checking on Findu.  Next week I'll
drive from Cincinnati to Akron so I'll be able to look at that.  Don't know
where you were exactly, but Southwestern Ohio has plenty of digis.

Duffy
www.wb8nut.com

---
You are currently subscribed to aprssig as: lyris.aprssig@tapr.org
To unsubscribe send a blank email to leave-aprssig-842K@lists.tapr.org
Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org
```

328. [aprssig] Re: Digis

From: Phil Reed <preed@dnaco.net>
Date: Wed, 10 Jul 2002 12:25:41 -0400
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-88815-2002.07.10-12.10.03--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

```
Southwest Ohio (Around north of Dayton down to Cincinnati, east to Xenia)
has excellent coverage. I've also gotten in fine when in Columbus, but I
don't know much about south of there.

Like the other guy suggested: check your path. I use RELAY,WIDE2-2 (or
maybe it's RELAY,WIDE3-3) in the tracker and it works pretty good.

At 11:25 AM 7/10/2002 -0400, Josh Gould wrote:
>Does any one know if there are any digis in southern ohio?  I was on a
>road trip yesterday and had the APRS side of the D-700 turned on, on the
>return trip.  On findu only one of my packets made it to the APRSIS even
>though I was driving through areas that I know have IGates.(namely
>Franklin, Northern Pickaway Counties)  Any Ideas?
>
>73's
>Josh
>KC8EQA
>EN80KA

---

                                  ...phil / w8sca

"For a list of all the ways technology has failed
     to improve the quality of life, press 3."


---
You are currently subscribed to aprssig as: lyris.aprssig@tapr.org
To unsubscribe send a blank email to leave-aprssig-842K@lists.tapr.org
Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org
```

329. [aprssig] Re: Digis

From: John Ackermann   N8UR <jra@febo.com>
Date: Wed, 10 Jul 2002 12:47:08 -0400
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-88816-2002.07.10-12.25.24--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

```
There are several digis on the I75 corridor from northern Kentucky up to
Dayton.  However, north of Dayton on I75 and east of Dayton on I70 is
pretty much a black hole for quite a few miles.  In Dayton, the W8APR digi
has reasonable coverage and also provides an Igate feed.  All the main
digis in SW Ohio are WIDEN-N and as far as I know all support RELAY.

73,
John N8UR
jra@febo.com


--On Wednesday, July 10, 2002 11:28 AM +0000 "J.Duffy Beischel"
<wb8nut@arrl.net> wrote:

> Well I have a Digi on the east side of Cincinnati (WB8NUT) and I have
> driven from Cincinnati to the Dayton/Xenia area and have always gotten
> good  coverage along the entire route when checking on Findu.  Next week
> I'll  drive from Cincinnati to Akron so I'll be able to look at that.
> Don't know  where you were exactly, but Southwestern Ohio has plenty of
> digis.
>
> Duffy
> www.wb8nut.com
>
> ---
> You are currently subscribed to aprssig as: jra@febo.com
> To unsubscribe send a blank email to leave-aprssig-842K@lists.tapr.org
> Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org
>
>
>
```

John Ackermann   N8UR   jra@febo.com   http://www.febo.com
President, TAPR   n8ur@tapr.org   http://www.tapr.org

You are currently subscribed to aprssig as: lyris.aprssig@tapr.org
To unsubscribe send a blank email to leave-aprssig-842K@lists.tapr.org
Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

330. [aprssig] Re: A voice for APRStt

From: "Gregg G. Wonderly" <gregg@skymaster.c2-tech.com>
Date: Wed, 10 Jul 2002 12:48:47 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-88817-2002.07.10-13.26.53--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

findu seems to be unreachable from our network, anyone else getting
'no route to host' ICMP returns?

```
====================================

traceroute to map.findu.com (64.34.101.121), 30 hops max, 40 byte packets
...
 8  wcom-e-nap.was.telocity.net (198.32.187.70)  198.168 ms  199.814 ms  185.941 ms
 9  ge-0-2-1.core1.was.tlct.net (216.227.126.110)  187.537 ms  187.031 ms  203.910 ms
10  so-1-0-0.core2.mia.tlct.net (216.227.126.218)  192.428 ms  206.299 ms  199.894 ms
11  216.227.80.98 (216.227.80.98)  198.277 ms  183.352 ms  163.730 ms
12  216.227.80.98 (216.227.80.98)  146.253 ms !H  119.714 ms !H  159.382 ms !H
```

-----
gregg@cytetech.com (Cyte Technologies Inc)

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331. [aprssig] Re: A voice for APRStt

From: Robbie <mwrobertson@attbi.com>
Date: Wed, 10 Jul 2002 13:02:06 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: TAPR APRS Special Interest Group <aprssig@lists.tapr.org>
Message-ID: <LYR842-88818-2002.07.10-13.39.42--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Findu is not responding here as well, :-(

Robbie, wa9inf

"Gregg G. Wonderly" wrote:

```
>
> findu seems to be unreachable from our network, anyone else getting
> 'no route to host' ICMP returns?
>
> ====================================
>
> traceroute to map.findu.com (64.34.101.121), 30 hops max, 40 byte packets
> ...
>  8  wcom-e-nap.was.telocity.net (198.32.187.70)  198.168 ms  199.814 ms  185.941 ms
>  9  ge-0-2-1.core1.was.tlct.net (216.227.126.110)  187.537 ms  187.031 ms  203.910 ms
> 10  so-1-0-0.core2.mia.tlct.net (216.227.126.218)  192.428 ms  206.299 ms  199.894 ms
> 11  216.227.80.98 (216.227.80.98)  198.277 ms  183.352 ms  163.730 ms
> 12  216.227.80.98 (216.227.80.98)  146.253 ms !H  119.714 ms !H  159.382 ms !H
>
> -----
> gregg@cytetech.com  (Cyte Technologies Inc)
>
> ---
> You are currently subscribed to aprssig as: mwrobertson@attbi.com
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```

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332. [aprssig] New beta of aprsd 215 available

From: Dale Heatherington <dale@wa4dsy.net>
Date: Wed, 10 Jul 2002 14:40:10 -0400
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-88824-2002.07.10-14.18.22--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

A new public beta of aprsd 2.1.5 is up on wa4dsy.net.

Download it at:
http://www.wa4dsy.net/Files/aprsd215b2.tgz

Documentation is here:
http://www.wa4dsy.net/aprs/aprsdDOC.html

REVISIONS

2.1.5

Note: Some of these bugs were caught by the new compiler in RedHat 7.

1) Fixed charQueue.write statement in serialp.cpp. Now it passes the char as an integer in the cmd field.
It used to pass the char as a char pointer. This worked but was confusing.

2) Fixed charQueue.read() statement in aprsd.cpp. Now it reads the int cmd and then converts it to a char. (see #1 above)

3) aprspass.cpp: Added to the #includes list "stdlib.h" so it now compiles on RedHat 7

4) added a missing pthread_mutex_unlock() in SendFiletoClient(). Possible cause of lockups!

5) Fixed several instances where I had incorrectly used strncat. strcat is now used instead.
Checked for buffer overflows.

6) Changed the way the number of connected clients is determined. Now the sessions[] array is searched and active connections are counted each time this value is required. The previous code had a counter "ConnectedClients" which sometimes got out of sync with reality.

7) Fixed many instances where ostrstream objects could create buffers without terminating NULLs if filled beyond capacity. (no overflow, just an unterminated string)

8) Fixed bug in Mic-E converter that rejected latitude decimal minutes greater than .59 .

9) Added filter code in serialp.cpp to prevent ?IGATE? and ?APRSD? querys from being igated from RF to the internet where dozens of replies could be generated. APRSD still responds to the RF station but doesn't pass the query to any other igates.

10) Applied patches from Steve Price (KG4PGU) to make code more portable.
Didn't change to gethostbyname2_r() though.

11) Release a9: Worked on code that used gethostbyname2_r(). Removed mutex locks.
Added a test for return value == 0 in addition to hostinfo pointer not being NULL. Will this fix the crashing problem?
Answer, after a 500 hour test: NO!

12) Release a10: Replaced gethostbyname2_r with gethostbyname_r.

13) Added filter code in aprsString to reject "EH?" and "cmd:" packets.

14) Added "try" "catch" blocks to aprsString::AEAtoTAPR, split() and aprsString::changePath().
Now exceptions there will be caught instead of segfaulting.
Note there was no solid evidence these functions ever caused a segfault. Safety first.

15) 5-19-02 Removed directed query responses. Fixed general query "?IGATE?" response to comply with APRS spec 1.0.

16) Stopped sending System Status messages on Link port (1313), Message Port (1314) and to Hubs you have connected to. You will no longer get:
"aprsdATL>JAVA::javaMSG :Atlanta_GA Linux APRS Server: 127.0.0.1 connected 2 users online."
and other such messages on these ports. The BEACON packet will still go to all ports except the 1314 message-only port.

17) Added support for NOGATE in path. If a packet from any source has NOGATE or RFONLY in the path it will killed and not go onto the Internet. However, they will still appear

```
    on the raw TNC port (14580) for network debuging.

18) The server now adds information to the end of the PATH indicating the
    source of each packet .  This is the qAc,CallSign construct.
    See server docs for more details.


19) In the code that creates connections to other hubs (Server command) I added
    code to check that the sysop of THIS hub provided a valid passcode.  If not valid
    no data will be sent outbound.

20) Added error checking in thirdPartyReformat().  It now returns an
    error if packet wasn't valid AX25 or was already in 3rd party format.

21) Fixed problems with 3rd party packet handling.
    Now it works this way:

    A) Third party packets that have TCPIP in the
       3rd party header are rejected.

    B) Third party packets that don't have TCPIP are converted
       to normal format and put on the internet stream.

22) Restructured the aprsd.cpp file into three files.  All the aprs server thread
    code is now in servers.cpp.  The http server is in httpserver.cpp.
    Also cleaned up alot of sloppy usage of extern declarations.
    All externs are now in include files.


22) Added signal handler for SIGINT to allow graceful shutdown when running
    as a daemon.  Issuing a "killall -INT aprsd"  command properly loads
    RESTORE.TNC into the tnc and stops aprsd. Also, "service aprsd.init stop"
    will properly shutdown aprsd.

23) Added new keyword  "Server" to aprsd.conf file.
    It replaces the old "Igate" command (although Igate is still honored).
    A command such as "server first.aprs.net 23 hub-sr" defines the connection
    to first.aprs.net as a send/receive hub connection.  The user passcode
    is supplied with another keyword "pass".  See aprsd.conf docs for details.

24) Added a new class of port.  OmniPort defaults to 14600 and allows the USER
    to control which data streams he wants via messages or plain ascii commands.

25) Added a new page of data to the html status page.  Clicking on the users
    port number opens port filter status in a new window.  There you can
    observe which streams each user is being sent. This became important
    because of the new OmniPort and its user definable streams.

26) Added bandwidth controls.  Sysop may now specify the maximum allowed server
    load in bytes/sec.  New users are rejected when the limit would be exceeded
    and the latest high bandwith users are disconnected if the load increases
    beyond the specfied limit.  Keyword is "MaxLoad" in aprsd.conf .

27) TNC sysop mode can only be accessed from the new TNC Sysop Port 14500.
    Aprsd will now automatically put your telnet client into character-at-a-time
    mode for better operation with the TNC command line.
```

--
Dale Heatherington
Web Page http://www.wa4dsy.net
Sent by KMail for Linux

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333. [aprssig] EASY SATgates for ISS/PCsat

From: Bob Bruninga <bruninga@usna.edu>
Date: Wed, 10 Jul 2002 15:14:22 -0400 (EDT)
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: amsat-bb@amsat.org

Message-ID: <LYR842-88828-2002.07.10-14.52.33--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

```
Dave McCarn reminded me that ANYONE with a D700 mobile can be an INSTANT
SATGATE with no other effort, no muss, no fuss, no PC.... Here's how:
----------------------------------------------
Subject: Easy, Easy SATGATES!
From: Bob Bruninga <bruninga@usna.edu>
Date: Wed, 8 May 2002 19:47:14 -0400 (EDT)
X-Message-Number: 12

Here is how we can have some EASY satgates almost overnight to support
worldwide distribution of UI digipeated packets via all of the ASTARS
satellites (see ASTARS web page):

Whenever you park your TM-D700 APRS mobile out doors, hit a PM as you
leave.  Your vehicle instantly becomes a SATGATE that is about as good as
it gets!  Here is how it works...

1) The 1/4 wave roof antenna with short coax will hear WELL (high passes)
2) With many of these, ignore the low ones, someone else gets 'em.
3) The TM-D700 does UI digipeating with call substitution
4) The digipeat is digipeated to 144.39 where it enters the normal APRS
    internet system!  (assuming an IGate is within range of your vehicle)

Thus, flip the switch when you leave your vehicle, and it just works!
Here is how to set it up in one  of your program memories (PM's):

1) Set a channel to receive the satelltie and XMIT on 144.39
2) Put "SGATE" in your APRS UIDIGI menu callsign list
3) Enable DIGIPEAT ON.
4) Put this in a PM so that you can also turn it OFF easliy too!

This works perfectly for ISS, SAREX, PCSAT, and SAPPHIRE. (Not UO-22
which is at 9600 baud)... [and now Sapphire is INOP]

*** NOTE *** This requires all USER packets to include SGATE,WIDE in
their path such as:

  Via SPACE STATION: VIA ARISS,SGATE,WIDE
  Via PCsat:         VIA W3ADO-1,SGATE,WIDE

In general, adding SGATE,WIDE as a final hop is not a bad idea in all
cases for anyone wanting to get into the internet to allow for just these
kinds of one-hop forwarding of Space digipeated  packets.  I use this
technique frequently at indoor demos to digipeat  satellite packets from
my car in the parking lot to indoor displays...  But it does add 14 bytes
of overhead to every packet... But if you want your packet to get to the
inernet, it is good insurence...

The only way to do this for UO-22 (at 9600) baud is to have an umbilical
cord by your driveway and plug your D700 into your IGate PC
everynight...

Oh yes, also, the best antenna is a 19.25" whip on your vehicle roof to
get good gain overhead.  Few people run these basic antennas, but run
5/8th or other gain antennas.  These put the gain on the horizon where it
is useless most times for mobile satellite work...  ALso, the 19.25" whip
antenna in the center of your roof has great overhead pattern and gain
for
both 2m and UHF!  SO it is great for UO-22 as well as the 2m birds...

WB4APR@amsat.org, Bob


---
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```

334. [aprssig] [lyrRe: New beta of aprsd 215 available

From: Bob Nielsen <nielsen@oz.net>
Date: Wed, 10 Jul 2002 13:25:16 -0700
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-88833-2002.07.10-16.03.28--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

```
Dale,

Are you continuing a separate fork from that at sourceforge (which is 2.2.3 in
```

CVS)? Is there any list of the differences between these two versions?

Bob, N7XY

On Wed, Jul 10, 2002 at 02:40:10PM -0400, Dale Heatherington wrote:
> A new public beta of aprsd 2.1.5 is up on wa4dsy.net.
>
> Download it at:
> http://www.wa4dsy.net/Files/aprsd215b2.tgz

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335. [aprssig] Vector Voltmeter

From: "Sadowski, Allan" <allan.sadowski@ncshp.org>
Date: Wed, 10 Jul 2002 18:47:25 -0400
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-88840-2002.07.10-18.25.41--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Remotely related to APRS....

Anyone here have a circuit (or a URL to such a circuit) that compares the phase difference between two antennas (cheap)...

I'd need to be able to compare the phase of an RF signal at two different antennas that are closely spaced. And I can't use an o'scope to do it... what I need is a two input vector voltmeter (like an HP8508A) but do it for less than the $5k that a used 8508 costs...

The purpose will be for DF... and cheap doppler is not accurate to a few degrees... nor are the other cheap handheld approaches...

I need a couple of degrees accuracy... and as the antennas are fixed mount... and the signal wavefront may be nearly orthogonal to the antenna site... the accuracy is critical.

It will be the same signal "hitting" both antennas, and the feedline from both antennas will be exactly the same length (TDR measured) - feeding into the vector voltmeter circuit... if I can find one...

Cheap please.....

TNX in advance

ALOHA
AH6LS

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336. [aprssig] Re: Vector Voltmeter

From: David VanHorn <dvanhorn@cedar.net>
Date: Wed, 10 Jul 2002 18:00:35 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-88841-2002.07.10-18.38.55--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

>
>I need a couple of degrees accuracy... and as the antennas are fixed
>mount... and the signal wavefront may be nearly orthogonal to the antenna
>site... the accuracy is critical.

Sounds like a resistive combiner will get you there.
Fix one antenna, move the other, when you get max signal, then you're in-phase. Measure the difference in position, and you have the original angle.

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337. [aprssig] Re: Vector Voltmeter

From: KC7ZRU - Tate <kc7zru@arrl.net>
Date: Wed, 10 Jul 2002 17:27:02 -0600
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: TAPR APRS Special Interest Group <aprssig@lists.tapr.org>
Message-ID: <LYR842-88842-2002.07.10-19.05.12--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

There was some kind of project, sounded similar, in QST awhile back. If
I remember right, it used an RF switcher driven with an audio freq
circuit to 'switch' between two antennas. There was some kind of 'phase
sense' circuit that provided DF accuracy to within a couple degrees.

"A Fox-Hunting DF Twin 'Tenna, October 1998 QST"

Maybe it's adaptable to what you're after.

73

"Sadowski, Allan" wrote:
>
> Remotely related to APRS....
>
> Anyone here have a circuit (or a URL to such a circuit) that compares the
> phase difference between two antennas (cheap)...
>
> I'd need to be able to compare the phase of an RF signal at two different
> antennas that are closely spaced.

```
--
              Casper, WY    |    CARC Repeater
                DN62tt      |      146.940
        "The Dungeon" online at http://go.to/kc7zru
            "RTFM" is NOT a 'four letter' word!
```

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---

338. [aprssig] Re: PCMCIA to serial?

From: Rich Osman <Rich@Osman.com>
Date: Wed, 10 Jul 2002 18:47:32 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: TAPR APRS Special Interest Group <aprssig@lists.tapr.org>
Message-ID: <LYR842-88843-2002.07.10-19.27.11--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

EIA RS-232 specifies an optional second serial port that was rarely implemented. The
nine pin standard initiated by IBM is for a single serial port.

LAIRD STANTON wrote:

> Doesn't the 9 pin RS232 connector have secondary Rx and Tx, or was that
> only on the 25pin?
>
> Laird
> N3HLL
>
>   -----Original Message-----
>   From: Rich Osman <Rich@Osman.com>
>   Sent: Saturday, June 29, 2002 11:57 PM
>   To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
>   Subject: [aprssig] Re: PCMCIA to serial?
>
>   What I'd like to be able to do is write a software serial port for Win98 that
>   operates on the DTR/DSR or CTS/RTS lines. I know how to write the
>   UART code, but I'm clueless about windows drivers.

--
mailto:Rich@Osman.com http://www.rich.osman.com
Rich Osman; POB 93167; Southlake, TX 76092 (Near DFW Airport) ARS: N1OZ

If you receive something that says "Send this to everyone you know,"
      PLEASE pretend you don't know me.

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339. [aprssig] Re: [amsat-bb] ISS Igates

From: Adi Linden <adil@adis.on.ca>
Date: Wed, 10 Jul 2002 19:02:33 -0500 (CDT)
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: TAPR APRS Special Interest Group <aprssig@lists.tapr.org>
Message-ID: <LYR842-88844-2002.07.10-19.40.42--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

```
On Wed, 10 Jul 2002, bob evinger wrote:

> Unless Xastir will run in a displayless mode it wont do me any good. Yes
> I use Xastir as my client when I want to see what is going on out on the
> aprs network. BUT  the machine I have devoted to serving as my
> igate/wx/mail server is a P5-90 with 64meg of ram and RedHat 7.1. It
> runs headless and w/o keyboard unless I need to service it in someway
> that I cant from my main computer. My primary machine is only on when I
> am in the shack doing interactive stuff.  That is why I run aprsd. I
> havent delved into the intricasies of Xastir other than the basics but
> was under the impression it didnt like not having a display. Plus I am
> running my own weather collection utility that uses aprsd's udp sockets
> for sending the weather data out to both rf and internet. I dont think
> xastir will work for me the way I need/want to operate my setup here.
>
>      bob

The aprsd udp weather thing sounds interesting. Do you have some
information on how that is done?

Adi


---
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340. [aprssig] Re: [lyrRe: New beta of aprsd 215 available

From: Dale Heatherington <dale@wa4dsy.net>
Date: Wed, 10 Jul 2002 20:11:34 -0400
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-88846-2002.07.10-19.49.54--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

```
After receiving some feedback about aprsd215b2 and
discovering and correcting some minor C++ syntax problems
caught by other compilers I have released another beta.
If beta 2 did not compile for you try this one.

http://www.wa4dsy.net/Files/aprsd215b3.tgz



--
Dale Heatherington
Web Page http://www.wa4dsy.net
Sent by KMail for Linux



---
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```

341. [aprssig] colorado Counties Maps?

From: Dakota Summerhawk <Dakotas@dotorg.org>
Date: Wed, 10 Jul 2002 18:45:08 -0600
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-88849-2002.07.10-20.11.03--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

```
I had a collection of the colorado counties maps for aps on my system.
 It was all fine and dandy till the system drive blew up. Does anyone
have the link that they can be downloaded again?
This time I am going to burn them to CD so this dosen't happen again.
Thanks for the help in advance.
```

Dakota Sumerhawk
System Administrator/Radio Monkey

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342. [aprssig] Military.com Resources

From: "Ronald Reams" <wa4mjf@worldnet.att.net>
Date: Wed, 10 Jul 2002 20:37:36 -0400
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: "NC ARES Digital Reflector" <ncares-digital@rtpnet.org>
Message-ID: <LYR842-88850-2002.07.10-20.15.59--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

USMC Historical Division Seeks MARS Operators

A project for the USMC Historical Division is seeking written and oral histories of service and civilian personnel who participated as operators in the MARS (Military Affiliated Radio System) program using phone patches or MARGSGRAMS. The main focus is Navy/Marine Corps MARS during the Vietnam Era, but contributions from all services and eras are encouraged. The exhibit is also seeking artifacts from the exhibit (at MCRD San Diego) such as photos of stations and personnel, orders (DNC-8), etc. Those who would like to contribute to the exhibit can contact the MAR should email or write to the below address:

MARS@borgmangroup.com
Borgman Group Ltd.
3342 South Sandhill Road
Suite 9-326
Las Vegas, NV 89121

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Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

343. [aprssig] Re: Vector Voltmeter

From: David VanHorn <dvanhorn@cedar.net>
Date: Wed, 10 Jul 2002 20:15:28 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: TAPR APRS Special Interest Group <aprssig@lists.tapr.org>
Message-ID: <LYR842-88863-2002.07.10-20.52.50--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

At 05:27 PM 7/10/2002 -0600, KC7ZRU - Tate wrote:
>There was some kind of project, sounded similar, in QST awhile back. If
>I remember right, it used an RF switcher driven with an audio freq
>circuit to 'switch' between two antennas. There was some kind of 'phase
>sense' circuit that provided DF accuracy to within a couple degrees.

I had forgotten about that approach.
That will give you a tone amplitude (phase modulation) whose amplitude is cos(angle)

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Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

344. [aprssig] Re: Digis

From: Dick Reichenbach <dreichen@columbus.rr.com>
Date: Wed, 10 Jul 2002 22:35:52 -0400
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: TAPR APRS Special Interest Group <aprssig@lists.tapr.org>
Message-ID: <LYR842-88879-2002.07.10-22.14.06--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Just checking my system. I copied 43 packets from you over 34 miles. To get to an Igate can sometimes be difficult from the Columbus area. Your packet either has to go east to Newark or west over to Dayton. On my trips down to Athens area, I get digipeated regularly by KA8ZNY-4 and -10. Usually anything that get's repeated by ZNY will get over to the Newark

Igate. From your trail it looks like you came up US23. So basicly you were in-between the ZNY digi's and the other further west at Washington Courthouse.

Josh Gould wrote:

> Does any one know if there are any digis in southern ohio? I was on a road trip yesterday and had the APRS side of the D-700 turned on, on the return trip. On findu only one of my packets made it to the APRSIS even though I was driving through areas that I know have IGates.(namely Franklin, Northern Pickaway Counties) Any Ideas?
>
> 73▯s
> Josh
> KC8EQA
> EN80KA
>
> ---
> You are currently subscribed to aprssig as: dreichen@columbus.rr.com
> To unsubscribe send a blank email to leave-aprssig-28493B@lists.tapr.org
> Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

---
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Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

---

345. [aprssig] Re: [amsat-bb] ISS Igates

From: "Brandon Cole" <brandonacole@yahoo.com>
Date: Wed, 10 Jul 2002 22:11:2
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-88888-2002.07.10-22.49.12--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Okay...I think I've got this working. I'll just have to wait until morning to see if I receive and gate anything from the ISS and PCSat passes tonight. I built a cable that goes from the TH-D7 to two separate serial ports, one with receive only. I actually built the cable right the first time! I have APRSTK running on my pc (with APRSDATA still running w/o problems in the background), and APRS+SA running on my laptop and acting as the I-gate. I tried to use WinAPRS, but I couldn't get it to connect even after trying to update its internet server list. I've already tested out the connectivity to findu.com by monitoring local APRS and checking it online. I would like to ask how findu.com knows to put data on the ISS and PCSat portions of the site. Does it look for RS0ISS or W3ADO-1 in the path? Or do I need to set my I-gate up in a specific way? Following that same thought, since there is no page specifically for UO-22, what will findu.com do with the packets that it sees from it? I'm still running on my J-pole, but I'll have the 1/4 wave GP up soon.

Brandon
AD5ER

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To unsubscribe send a blank email to leave-aprssig-842K@lists.tapr.org
Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

---

346. [aprssig] Re: [amsat-bb] ISS Igates

From: "Curt Mills, WE7U" <archer@eskimo.com>
Date: Wed, 10 Jul 2002 20:39:13 -0700 (PDT)
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: TAPR APRS Special Interest Group <aprssig@lists.tapr.org>
Message-ID: <LYR842-88898-2002.07.11-00.08.00--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

On Wed, 10 Jul 2002, bob evinger wrote:

> Unless Xastir will run in a displayless mode it wont do me any good.

There is a way. You can start it up under VNC from another computer, then disconnect. Xastir will continue to do it's display thing to the VNC display. When you next connect up from the remote computer, you can see what the current Xastir display looks like. Some people use VNC this way to monitor their home Xastir from work. I use it at work to connect from my Linux box over to a Windows box occasionally.

```
> Yes
> I use Xastir as my client when I want to see what is going on out on the
> aprs network. BUT  the machine I have devoted to serving as my
> igate/wx/mail server is a P5-90 with 64meg of ram and RedHat 7.1. It
> runs headless and w/o keyboard unless I need to service it in someway
> that I cant from my main computer.

I have one machine that runs in this manner as well.


> My primary machine is only on when I
> am in the shack doing interactive stuff.  That is why I run aprsd. I
> havent delved into the intricasies of Xastir other than the basics but
> was under the impression it didnt like not having a display. Plus I am
> running my own weather collection utility that uses aprsd's udp sockets
> for sending the weather data out to both rf and internet. I dont think
> xastir will work for me the way I need/want to operate my setup here.

You could use Xastir to gain your multiple ports, then have it talking
to aprsd.  That way you can keep using your udp sockets as well.

Curt, WE7U.                             archer@eskimo.com
http://www.eskimo.com/~archer
  Lotto:  A tax on people who are bad at math. - unknown
Windows:  Microsoft's tax on computer illiterates. - WE7U.


---
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To unsubscribe send a blank email to leave-aprssig-842K@lists.tapr.org
Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org
```

347. [aprssig] Re: [amsat-bb] ISS Igates

From: "Jim Cowell" <jc@warwick.net>
Date: Thu, 11 Jul 2002 7:31:44
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-88914-2002.07.11-08.09.55--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

```
I think I have my ISS Igate set up corectly. I'm using Winaprs261 and AGWP.
I can RX from TCPIP and RF,how can I verify that I'm Igating anything from
ISS? Can anyone recommend some IGate software that uses less horse power?
TNX JC

---
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Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org
```

348. [aprssig] Re: Satellite Antennae

From: Craig Severson <craig_severson@yahoo.com>
Date: Thu, 11 Jul 2002 06:03:06 -0700 (PDT)
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: Matthew.Cook@tekelek.com.au
Message-ID: <LYR842-88915-2002.07.11-08.41.17--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

```
MATTHEW COOK WROTE:

> Speaking of Sat Gates, what antenna's have people
> used with PCSat and ISS ?
> I have trialed 1/4 wave antenna's and have been less
> than impressed with
> their overall performance.

CRAIG REPLIED:

Matthew, not sure if you're asking about mobile or
fixed IGATE antennae.

I use PCSAT and ISS from my motorcycle. I understand
from Bob's posts that a 1/4 wave whip over a car roof
is a better antenna, but I don't have the ground plane
nor the height to pull this off. I use a 5/8 wave whip
which seems to have no problem working the sats.

I oftentimes cannot HEAR the sat, but always am able
to hit the bird if the pass is decent.
```

some recent hits:

http://www.findu.com/cgi-bin/breadcrumb.cgi?call=w8cs-3&last=48&geo=usa.geo&start=10000

cheers....

=====
Craig Severson, W8CS
Granville, OH
1996 ST100 restored, 35k
1994 ST1100, in restoration
STOC 3075, iPCRC 1666, IBA 9294, AMA http://www.geocities.com/craig_severson/st1100/rear96page.jpg

____
Do You Yahoo!?
Sign up for SBC Yahoo! Dial - First Month Free
http://sbc.yahoo.com

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Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

---

349. [aprssig] Re: [amsat-bb] ISS Igates

From: "Bruce W. Martin" <aprssig@almostanywhere.com>
Date: Thu, 11 Jul 2002 08:17:57 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: "Jim Cowell" <jc@warwick.net>
Message-ID: <LYR842-88916-2002.07.11-08.56.02--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

At 07:31 AM 7/11/2002 +0000, Jim Cowell wrote:
I think I have my ISS Igate set up corectly. I'm using Winaprs261 and AGWP.

I can RX from TCPIP and RF,how can I verify that I'm Igating anything from
ISS? Can anyone recommend some IGate software that uses less horse power?
TNX JC

Look at:
<http://www.rimboy.com/rimdistro/rimigate/>

igate on a floppy

Bruce, KQ4TV

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To unsubscribe send a blank email to leave-aprssig-842K@lists.tapr.org
Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

---

350. [aprssig] Re: [amsat-bb] ISS Igates

From: bob evinger <wd9eka@evinger.com>
Date: Thu, 11 Jul 2002 10:38:50 -0500 (CDT)
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: TAPR APRS Special Interest Group <aprssig@lists.tapr.org>
Message-ID: <LYR842-88920-2002.07.11-11.20.35--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

I have mine hooked up as of last night also. However, have watched about 6
passes and have seen only pbbs traffic. Have not seen anything resembling
aprs. Also beginning to wonder if the doppler shift and my radio are
causing oddities. I seem to only see packets as ISS is moving away from
me.

Any ideas why I might not see aprs packets? I am running aprsd on a Linux
RH7.1 box.

bob

On Thu, 11 Jul 2002, Jim Cowell wrote:

> I think I have my ISS Igate set up corectly. I'm using Winaprs261 and AGWP.
> I can RX from TCPIP and RF,how can I verify that I'm Igating anything from
> ISS? Can anyone recommend some IGate software that uses less horse power?

```
> TNX JC
>
> ---
> You are currently subscribed to aprssig as: wd9eka@evinger.com
> To unsubscribe send a blank email to leave-aprssig-842K@lists.tapr.org
> Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org
>
>

--
Bob Evinger   WD9EKA/AAR5MG(Army MARS operator)
If Guns Cause Crime, Then Matches Cause Arson.



---
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To unsubscribe send a blank email to leave-aprssig-842K@lists.tapr.org
Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org
```

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351. [aprssig] Ham radio (and FRS) at Camp

From: Bob Bruninga <bruninga@usna.edu>
Date: Thu, 11 Jul 2002 12:11:57 -0400 (EDT)
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: TAPR APRS SIG <aprssig@lists.tapr.org>, <amsat-bb@amsat.org>
Message-ID: <LYR842-88921-2002.07.11-11.50.09--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

```
Topic:  Radios at camp...

Having just returned from a great experience of demonstrating Ham Radio at
my son's boy scout camp, but the previous week having my daughter's HT
banned from a 10 day Appalachian Trail group adventure, I think it might
be a good idea for the ARRL to publish a standard Pamphlet called HAM
RADIO AT CAMP that discussses the advantages of HAM radio and addresses the
differences between HAM radio and FRS and Boom Boxes in simple terms.

A draft of the Phamplet will be maintained on the WEB page:
http://www.ew.usna.edu/~bruninga/hratcamp.txt

Following is a text copy of the draft if you are interested...  I invite
any substantive improvements or simplifications on the wording...

de WB4APR, Bob

***************************************************************************
* This is a two sided pamphlet for use at ALL camps.  Side one discusses *
* Ham Radio at camp and how it is excluded from the list of prohibited   *
* electronics at camp and the other side is the Scouting FRS Radio Code. *
***************************************************************************

HAM RADIO AT CAMP                                                   Side 1
---------------------------------------------------------------------------
                                                                    WB4APR

HAM RADIO is not a boombox or a video game or a toy.  Ham Radio is not
anonymous and nothing at all like a "chatroom".  Individuals on the Ham
Radio bands are licensed and uniquely identified by the Federal
Communications Commission (FCC).  Such individuals have studied radio
technology and operational techniques and have passed a test demonstrating
their knowledge of the communications art before licensing.

HAM RADIO is a licensed two-way radio service for local, national and
international communications and especially for emergency communications
where normal means of communications are lost or are not available.  Ham
Radio operators pride themselves in the ability to communicate and
practice their emergency communications skills out in the field whenever
they get the opportunity.

HAM RADIO operation from camp, in the field, on hikes, or on trips is
fundamental to exploring the limits of communications under a variety of
conditions.  In this case, Ham Radio is NOT included in the list of
prohibited items at camp such as "electronics, radios, video games boom
boxes, and other entertinament electronic devices".

HAM RADIO can serve several opportunities at camp besides just emergency
communications and  operating from field situations.  Examples:

  * Hiker communications
  * camp-to-camp communications
```

- Radio merit badge operations
- International awareness and communications
- Geography and topography effects on radio waves
- Hidden transmitter hunts and direction finding
- Radio Sport (a combinateion of DFing and orienteering)

HAM RADIO walkie talkies should not be confused with the FAMILY RADIO SERVICE, which is similar to CB in that it is an unlicensed radio service for the consumer with no individual identification nor individual responsibility for proper operations. Any restrictions (if any) on the use of walkie-talkies at camp must consider the distinct differences between these two services in the decision process.

This is not to say that FRS does not have great potential at camp. In fact, FRS when properly used can also serve many viable communications needs at camp and as an excellent introduction to radio as long as everyone who uses FRS properly identifies his transmissions and operates responsibly. See the Scouting FRS Radio Code on the reverse of this Pamphlet.

SHACKS-FOR-PACKS (and troops and posts) is a program to encourage the permanent installation of HAM Shacks at all camps. These shacks are just simple pre-fab 8x8' sheds which provide a gathering place for kids to learn about radio from any camper or Mom or Dad that has brought his HAM equipment with him. The shack provides a permanent place, an antenna and sometimes a 12 volt power system. Equipment and security is provided by whoever is currently in camp. Thus, the shack is intended to remain open at all times. The only permanently installed electronics will be an FRS base station on the scouting FRS channel 12. For more information see http://www.ew.usna.edu/~bruninga/shacks4packs.html.

SCOUTING FRS RADIO CODE Side 2

WB4APR

The Family Radio Service is ideal for Scout communications. Packs, troops, posts and camps should adopt FRS and encourage Scouts to learn the fundamentals of radio technique for practical, efficient and safe communications. FRS consists of 14 channels and 38 squelch codes which combined, yield 526 ways for people to NOT be able to communicate with each other without prior agreement on their settings. This is OK for a family, but contrary to many potential applications for radios in and around camps and Scouting.

FRS radios are not toys and should not be used as such. Scouting is the ideal place to teach the fundamentals of radio techinque to all kids.

FRS designers assumed consumers would use FRS like a cell phone for one-on-one calls. That is why they have the irritating RING tones and there is no mention of proper "radio procedures" in the instructions. But for Scouting, FRS radios are used as RADIOS and Scouts need to understand proper radio procedures when multiple people share a channel. To use FRS effectively AS A RADIO and for safety in the wilderness, the following guidelines are recommended for all Scouts.

1) For general communications purposes with many users, do not use the CALL buttons, or RING tones. They are irritating, and they cause people to turn their volume down, or turn the radio off. This eliminates the value of a radio to communicate. To contact someone, use their callsign.

2) CHANNEL-1 TONE-0: At each new outing or venue, begin communications on channel 1 tone 0 (tones off). This is the universal FRS calling channel. If it is quiet, you may meet fellow hikers or Scouters, and you are serving others by monitoring this channel for emergencies.

3) SCOUTING CHANNEL: If channel 1 is too busy for peace of mind, change to channel 12, the Scouting channel. Remember the 12 points of the Scout law. If channel 12 is too busy, then set tone 5 for the 5 words in the Scout slogan. With this setting you will typically only hear other Scouters in busy areas. But in general setting TONES to anything but off makes it difficult for you to monitor the channel and keep aware of what is going on.

4) CAMP CHANNELS: At camps or Jamborees, choose your channel and tones to match your troop numbers in accordance with these guidelines so that someone trying to reach you can also figure out your channel and tone in case somone needs to contact you. Use the first two digits of your troop for your channel if possible. If these are above "14", then use only the

first digit. Do not use tones. Set tones to 0 or OFF. If you must silence the channel by using tones, then use the next two digits of your troop for your tone. If above 38, then use only the single digit. Using these rules will make it possible to always find your frequency if someone needs to contact you.

5) HAM CHANNEL: One other channel that may be interesting to Scouts wanting to learn more about radio is channel 7 tone 3. That is where HAM radio operators on FRS may hang out if channel 1 tone 0 or the scouting channel is too busy... Again, only set the tones if you have to...

6) CALLSIGNS: Radio communications work best when everyone can tell who is talking. Eliminating anonymity eliminates much of the abuse on the channel. It is best to use callsigns and to begin any new conversation with standard radio technique of saying the callsign of the person you are calling followed by "this is" and your callsign. Choose good callsigns such as your troop number and your initials. For our Troop 995, for example, "995AJB this is 995REB, over".

7) TEACH, NOT SCOLD: Never be critical of someone over the air. Teach proper radio technique by setting a good example and by instruction to new Scouts. Remember with 38 squelch tones, the chance that the other person will hear you is less than 3%. If someone is acting improperly, the number one rule is to ignore them. If you respond, then you are only encouraging further abuse. If you ignore him, however, he will get bored and probably go elsewhere.

8) FRS NIGHT: Every WED nite at 9 PM everywhere is FRS night. This is a time to meet new radio friends who are also looking to see who else is radio active in their area and wants to learn more about radio. Just go to channel 1 tone 0 and call "CQ FRS NIGHT, this is xxxxxxx, OVER".

9) MOVE UP TO HAM RADIO: FRS radio is limited in range and power. If you enjoy radio and want to increase your range as well as make new radio friends and to even make phone calls from your radio, get in touch with HAM radio operators and learn all about the exciing world of HAM radio. See the web page at http://www.arrl.org.

10) PLAY IT SAFE: FRS radio is a great way to meet new friends and learn about radio. But it is unlicensed and you have no guarantee who may be on the other end. So be smart and use the same safety precautions as with any strangers. Do not reveal any private information and do not meet any stangers in any unsafe location. Only communicate with others who properly identify themselves.

To encourage radio communications at camp, many camps are installing "HAM Shacks" permanently in camp, and these shacks include FRS equipment for introducing youth to proper radio techniques. See the SHACKS-FOR-PACKS section on the reverse side of this pamphlet.

```
************************************************************************
* These guidelines for FRS and Scouting are only a draft.  They are not  *
* yet endorsed by any scouting organization, but we hope to encourage    *
* their adoption.  To keep up-to-date on any changes to this plan, visit *
* our web page at:  www.ew.usna.edu/~bruninga/frsplan.txt                *
*                                                                        *
* Teaching familiarity with this RADIO CODE should be one of requirements*
* in the scouting program.  I would suggest Tenderfoot.  FRS radio can be*
* a powerful tool for Scouting, but unless we teach radio technique, FRS *
* will become just another noisey toy, banned from all Scout activities  *
* at great loss to the Scouting program.                                 *
*                                                                        *
* Enjoy radio, learn more, and move up to HAM radio!                     *
* Bob Bruninga, WB4APR, Eagle Scout.                                     *
************************************************************************
```

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To unsubscribe send a blank email to leave-aprssig-842K@lists.tapr.org
Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

352. [aprssig] Re: [amsat-bb] ISS Igates

From: Bob Bruninga <bruninga@usna.edu>
Date: Thu, 11 Jul 2002 12:31:49 -0400 (EDT)
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: TAPR APRS Special Interest Group <aprssig@lists.tapr.org>
Message-ID: <LYR842-88924-2002.07.11-12.15.34--lyris.aprssig#tapr.org@lists.tapr.org>

Rendered body type: text/plain

```
On Wed, 10 Jul 2002, Brandon Cole wrote:

> Okay...I think I've got this [SATgate] working....
> I built a cable that goes from the TH-D7 to two separate serial
> ports...  I have APRSTK running on my pc (with APRSDATA still running
> w/o problems in the background), and APRS+SA running on my laptop and
> acting as the I-gate....

> ... I would like to ask how findu.com knows to put data on the ISS and
> PCSat portions of the site.  Does it look for RS0ISS or W3ADO-1 in the
> path?

Yes, so you dont have to do anything special..

> same thought, since there is no page specifically for UO-22, what will
> findu.com do with the packets that it sees from it?  I'm still running on
> my J-pole, but I'll have the 1/4 wave GP up soon.

GOod point.  I will ask to see if Steve might be willing to simply add
the UO-22 packets to the PCsat page...

thanks for the idea...
de WB4APR, Bob
>
> Brandon
> AD5ER
>
> ---
> You are currently subscribed to aprssig as: bruninga@usna.edu
> To unsubscribe send a blank email to leave-aprssig-842K@lists.tapr.org
> Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org
>

de WB4APR@amsat.org, Bob

PCsat WEB  page     http://www.ew.usna.edu/~bruninga/pcsat.html
ISS-APRS FAQ:       http://www.ew.usna.edu/~bruninga/iss-faq.html
CUBESAT Designs     http://www.ew.usna.edu/~bruninga/cubesat.html
APRS LIVE pages     http://www.ew.usna.edu/~bruninga/aprs.html
APRS SATELLITES     http://www.ew.usna.edu/~bruninga/astars.html
MIM/Mic-E/Mic-Lite  http://www.toad.net/~wclement/bruninga/mic-lite.html


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Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org
```

353. [aprssig] Re: [amsat-bb] ISS Igates

From: "Brandon Cole" <brandonacole@yahoo.com>
Date: Thu, 11 Jul 2002 15:0:21
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-88929-2002.07.11-15.38.32--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

```
I saw you on PCSat at around 1925z sending a couple of messages.  It was a
good pass for my location, but I was only able to gate one station,
N9IDH-9.  I heard nothing until just before it went overhead and then
afterwards when it started descending.  TK had the radio on 145.83 while it
was heading towards me, and .825 after it got overhead.  Might there be
another reason why I could only hear it while it headed away from me?  It
also sounded rather weak, at least compared to how it sounded last month.
I'm assuming that's due to the battery problems that you mentioned before.

I also noticed that when UO-22 passed over this morning (in the 1200z
hour), all that TK heard was what I assume to be control data from the
satellite.  It only recorded the callsigns of UOSAT5, UOSAT5-11, and
UOSAT5-12.  My APRS+ did not record any of that, but I don't think it does
anything but standard APRS data.  If there were any other stations on it at
that time, it did not hear them.  UO-22 will be coming over again at around
2335z this evening, and hopefully someone will try to get on and send some
APRS over it.  I would try with my D700, but its being used right now as
the APRSDATA radio, until I get another TNC to go with my other VHF radio
to be dedicated for that duty.

One question about that 1/4 antenna.  For mobile use (on top of a pickup
cab), would the $30 Radio Shack 5/8 wave 2m mag-mount antenna, trimmed down
to 19" (with proper tuning), come close to what you described before?
```

Brandon
AD5ER

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To unsubscribe send a blank email to leave-aprssig-842K@lists.tapr.org
Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

354. [aprssig] SATgate Identification...

From: Bob Bruninga <bruninga@usna.edu>
Date: Thu, 11 Jul 2002 16:16:50 -0400 (EDT)
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: TAPR APRS Special Interest Group <aprssig@lists.tapr.org>,
<amsat-bb@amsat.org>
Message-ID: <LYR842-88930-2002.07.11-15.55.03--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

On Thu, 11 Jul 2002, Jim Cowell wrote:

> I think I have my ISS Igate set up corectly. I'm using Winaprs261 and AGWP.
> I can RX from TCPIP and RF,how can I verify that I'm Igating anything from
> ISS? Can anyone recommend some IGate software that uses less horse power?

For all SATgates:

We need to have all SATgates to self identify so that we can maintain a
database (or live web page) that shows all the currently active SATgates.
One way to do this is to make sure that everyone includes the word SATGATE
in their Position comment field. THen we can just monitor the worldwide
APRS feed and capture all such stations to a WEB page at any point in
time....

I would also ask that such IGates use the GATE Icon with an "S" overlay
instead of the miss-used TCPIP Icon which was never intended to be used
for the "internet" but only to indicate an ON-AIR TCPIP protocol station

The correct ICon for an IGate is a GATE with an "I" overlay...

de WB4APR, Bob

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Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

355. [aprssig] Re: SATgate Identification...

From: Adi Linden <adil@adis.on.ca>
Date: Thu, 11 Jul 2002 16:13:16 -0500 (CDT)
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-88935-2002.07.11-16.51.27--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

> I would also ask that such IGates use the GATE Icon with an "S" overlay
> instead of the miss-used TCPIP Icon which was never intended to be used
> for the "internet" but only to indicate an ON-AIR TCPIP protocol station
>
> The correct ICon for an IGate is a GATE with an "I" overlay...

Where do these icons show up. Are they somehow viewable on findu.com?
Also, are there any non-java web application that do what findu.com or
javAPRS do?

Adi

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Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

356. [aprssig] Re: Ham radio (and FRS) at Camp

From: David VanHorn <dvanhorn@cedar.net>
Date: Thu, 11 Jul 2002 16:20:52 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: TAPR APRS SIG <aprssig@lists.tapr.org>, amsat-bb@amsat.org

Message-ID: <LYR842-88937-2002.07.11-16.59.18--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

```
At 12:11 PM 7/11/2002 -0400, Bob Bruninga wrote:
>Topic:  Radios at camp...
>
>Having just returned from a great experience of demonstrating Ham Radio at
>my son's boy scout camp, but the previous week having my daughter's HT
>banned from a 10 day Appalachian Trail group adventure,


What reason did they give?



---
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```

357. [aprssig] New GPS Program

From: "Jason Rausch" <ke4nyv@msn.com>
Date: Thu, 11 Jul 2002 16:43:52
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-88944-2002.07.11-17.22.02--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

```
I have written a simple NMEA GPS program.  It's really simple right now but
I plan to add more.  You can download it from my site at
http://www.ke4nyv.com just follow the link on the main page to my Software
page.

73's
Jason KE4NYV
www.ke4nyv.com

>>>I have several other GPS and APRS related programs in the works as
well.

---
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Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org
```

358. [aprssig] Re: [amsat-bb] ISS Igates

From: Bob Bruninga <bruninga@usna.edu>
Date: Thu, 11 Jul 2002 17:45:15 -0400 (EDT)
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: TAPR APRS Special Interest Group <aprssig@lists.tapr.org>
Message-ID: <LYR842-88945-2002.07.11-17.23.32--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

```
On Thu, 11 Jul 2002, Brandon Cole wrote:

> was heading towards me, and .825 after it got overhead.  Might there be
> another reason why I could only hear it while it headed away from me?  It
> also sounded rather weak, at least compared to how it sounded last month.
> I'm assuming that's due to the battery problems that you mentioned before.

Yes, it only enters sunlight 10 minuts before AOS here, so sometimes it
is not till middle of the pass that it is charged up enough...
>
> I also noticed that when UO-22 passed over this morning (in the 1200z
> hour), all that TK heard was what I assume to be control data from the
> satellite.  It only recorded the callsigns of UOSAT5, UOSAT5-11, and
> UOSAT5-12.  My APRS+ did not record any of that, but I don't think it does
> anything but standard APRS data.  If there were any other stations on it at
> that time, it did not hear them.

It is th echicken or egg.  No one uses UO-22 normally for APRS, but as
PCsat dies and as we get more SATGATES on line, then they will.  You are
LEADING the effort!

Thanks!
Bob
 UO-22 will be coming over again at around
> 2335z this evening, and hopefully someone will try to get on and send some
> APRS over it.  I would try with my D700, but its being used right now as
> the APRSDATA radio, until I get another TNC to go with my other VHF radio
> to be dedicated for that duty.
```

```
>
> One question about that 1/4 antenna.  For mobile use (on top of a pickup
> cab), would the $30 Radio Shack 5/8 wave 2m mag-mount antenna, trimmed down
> to 19" (with proper tuning), come close to what you described before?
>
> Brandon
> AD5ER
>
> ---
> You are currently subscribed to aprssig as: bruninga@usna.edu
> To unsubscribe send a blank email to leave-aprssig-842K@lists.tapr.org
> Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org
>

de WB4APR@amsat.org, Bob

PCsat WEB  page     http://www.ew.usna.edu/~bruninga/pcsat.html
ISS-APRS FAQ:       http://www.ew.usna.edu/~bruninga/iss-faq.html
CUBESAT Designs     http://www.ew.usna.edu/~bruninga/cubesat.html
APRS LIVE pages     http://www.ew.usna.edu/~bruninga/aprs.html
APRS SATELLITES     http://www.ew.usna.edu/~bruninga/astars.html
MIM/Mic-E/Mic-Lite  http://www.toad.net/~wclement/bruninga/mic-lite.html


---
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```

359. [aprssig] Re: [amsat-bb] ISS Igates

From: Bob Bruninga <bruninga@usna.edu>
Date: Thu, 11 Jul 2002 17:46:07 -0400 (EDT)
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: TAPR APRS Special Interest Group <aprssig@lists.tapr.org>
Message-ID: <LYR842-88946-2002.07.11-17.24.21--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

```
On Thu, 11 Jul 2002, Brandon Cole wrote:

> One question about that 1/4 antenna.  For mobile use (on top of a pickup
> cab), would the $30 Radio Shack 5/8 wave 2m mag-mount antenna, trimmed down
> to 19" (with proper tuning), come close to what you described before?

No, unless you completely remove all the guts.  Not worth the trouble.
Pick up a magmount at the next hamfest.... or drill a hole... hi hi..

bob
>
> Brandon
> AD5ER
>
> ---
> You are currently subscribed to aprssig as: bruninga@usna.edu
> To unsubscribe send a blank email to leave-aprssig-842K@lists.tapr.org
> Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org
>

de WB4APR@amsat.org, Bob

PCsat WEB  page     http://www.ew.usna.edu/~bruninga/pcsat.html
ISS-APRS FAQ:       http://www.ew.usna.edu/~bruninga/iss-faq.html
CUBESAT Designs     http://www.ew.usna.edu/~bruninga/cubesat.html
APRS LIVE pages     http://www.ew.usna.edu/~bruninga/aprs.html
APRS SATELLITES     http://www.ew.usna.edu/~bruninga/astars.html
MIM/Mic-E/Mic-Lite  http://www.toad.net/~wclement/bruninga/mic-lite.html


---
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```

360. [aprssig] Re: SATgate Identification...

From: "AE5PL Lists" <HamLists@ametx.com>
Date: Thu, 11 Jul 2002 17:17:03 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-88948-2002.07.11-17.55.15--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

> -----Original Message-----
> From: Adi Linden [mailto:adil@adis.on.ca]
> Posted At: Thursday, July 11, 2002 4:15 PM
> Subject: [aprssig] Re: SATgate Identification...
>
> Where do these icons show up. Are they somehow viewable on findu.com?

They show up in APRS applications. Steve has begun experimenting with displaying icons on findu.com

> Also, are there any non-java web application that do what
> findu.com or

findu.com is a non-java web application.

> javAPRS do?

Java is the only cross-platform tool that provides the ability to actually run an application in your browser. There are other technologies, such as Flash, that provide similar capabilities but none of those provide the network real-time connectivity that Java does (at least, that is my understanding).

The current javAPRS runs on IE and Netscape browsers across all platforms. If you have other ideas on a technology that works across multiple platforms with real-time network connectivity in a browser, I would be interested in looking into it.

73,

Pete Loveall AE5PL
http://www.ae5pl.net
mailto:pete@ae5pl.net

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---

361. [aprssig] Re: [amsat-bb] ISS Igates

From: David VanHorn <dvanhorn@cedar.net>
Date: Thu, 11 Jul 2002 17:18:32 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: TAPR APRS Special Interest Group <aprssig@lists.tapr.org>
Message-ID: <LYR842-88949-2002.07.11-17.56.57--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

>
>No, unless you completely remove all the guts. Not worth the trouble.
>Pick up a magmount at the next hamfest.... or drill a hole... hi hi..

http://www.inchase.org/outflow/events/installnic2002/f5Mount.html

I had to mount an especially tall antenna, on an unexpectedly floopy roof.

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---

362. [aprssig] UI-View internet only?

From: "Paula Dowie" <g8pzt@blueyonder.co.uk>
Date: Thu, 11 Jul 2002 22:21:56 +0100
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-88950-2002.07.11-19.43.53--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

I am a total novice with UI-view, and am trying to run UI-View16 without any radio connection, i.e. it is connected only to an internet APRS server.

In "comms-setup" I have set comm port to "none", because I don't need any form of radio connection.

It connects to the aprs server, and displays the stations received from it, and also sends regular beacons to the server. But if I open the message window and type a message, it doesn't get sent to the server. I have

checked "Gate local messages" in the "APRS server setup", and now I've run
out of ideas.

Am I trying to do the impossible?

73, Paula
------
g8pzt@blueyonder.co.uk
http://www.g8pzt.pwp.blueyonder.co.uk

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---

363. [aprssig] Re: UI-View internet only?

From: "Spider" <spider@rivcom.net>
Date: Thu, 11 Jul 2002 17:39:01 -0700
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-88951-2002.07.11-20.17.28--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

----- Original Message -----
From: "Paula Dowie" <g8pzt@blueyonder.co.uk>
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Sent: Thursday, July 11, 2002 2:21 PM
Subject: [aprssig] UI-View internet only?

> I am a total novice with UI-view, and am trying to run UI-View16 without
any
> radio connection, i.e. it is connected only to an internet APRS server.
>
> In "comms-setup" I have set comm port to "none", because I don't need any
> form of radio connection.
>
> It connects to the aprs server, and displays the stations received from
it,
> and also sends regular beacons to the server. But if I open the message
> window and type a message, it doesn't get sent to the server. I have
> checked "Gate local messages" in the "APRS server setup", and now I've run
> out of ideas.
>
> Am I trying to do the impossible?

Paula, I would highly recommend stepping up to the 32 bit version. To me,
there is a major difference.
When sending a message, try port I and in the letter I.
Can't recall sending a message with the 16 bit version but the 32 bit
version opens up another world!

Jim, WA6OFT
www.wa6oft.com

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---

364. [aprssig] UI-view - ignore previous message

From: "Paula Dowie" <g8pzt@blueyonder.co.uk>
Date: Thu, 11 Jul 2002 22:40:30 +0100
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: <aprssig@lists.tapr.org>
Message-ID: <LYR842-88972-2002.07.11-20.43.10--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Please ignore my previous plea for help re gating messages to the internet -
I had set the default port to "1" instead of "I"... Doh! :-(

73, Paula
------
g8pzt@blueyonder.co.uk
http://www.g8pzt.pwp.blueyonder.co.uk

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Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

---

365. [aprssig] MAC Serial adapter on a SPARC IPX?

From: "Bob D." <n2iph@comcast.net>
Date: Fri, 12 Jul 2002 05:00:07 -0400
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-89020-2002.07.12-04.42.46--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Does anyone know if a the Palm docking cradle adapter made for
use on a MAC will work on a Sun SPARC IPX ? The IPX has the
mini-DIN serial ports like a MAC. Is this adapter (mini-DIN to DB-9)
made only for use with the Palm, or will it work with other serial
devices? I was given one by a friend who recently purchased a Palm
and does not need it. I'd like to use it to connect a TNC to the IPX
and be able to work packet with it. The old IPX is just sitting here
and I figure it would make a good packet station in place of wasting
a faster machine as a terminal.

TNX for any help,

Bob D.
N2IPH

Join the Ham Radio operators SETI Team # 8088
http://setiathome.ssl.berkeley.edu/stats/team/team_8088.html

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---

366. [aprssig] Re: SATgate Identification...

From: Bob Bruninga <bruninga@usna.edu>
Date: Fri, 12 Jul 2002 10:04:43 -0400 (EDT)
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: TAPR APRS SIG <aprssig@lists.tapr.org>, <aprsnews@lists.tapr.org>
Message-ID: <LYR842-89034-2002.07.12-09.43.28--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

On 11 Jul 2002, David L Norris wrote:

> > The correct ICon for an IGate is a GATE with an "I" overlay...
>
> What is a GATE symbol? I see no mention of it in symbols.txt. I found
> something in the APRS101 document called a "HF Gateway" which says
> (diamond) next to it.

OOPS, good point. Historically there was only the primary table, and only
the HF GATE Icon (/&). But then when we added the alternate table, the
intention was that the GATE DIAMOND (\&) would be used for all types of
gateways and the type of gateway would be shown by the OVERLAY character.

  H = HF GATE
  I = Internet Gate
  6 = 6 meter gate etc....

Now seeing that the actual table entry was only named "DIAMOND" in the
spec now explains why so few people use it for GATEWAYS. In the future I
will make sure to spell out that the DIAMOND is the GATEWAY ICON...

Thanks for highlighting this error...

de WB4APR@amsat.org, Bob

```
---
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```

367. [aprssig] aprsd215 beta 4 available

From: Dale Heatherington <dale@wa4dsy.net>
Date: Fri, 12 Jul 2002 11:25:59 -0400
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-89039-2002.07.12-11.04.16--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

```
aprsd 2.1.5 beta 4 can be downloaded here:
http://www.wa4dsy.net/Files/aprsd215b4.tgz

This version compiles with the new GNU C 3.1 compiler.
It also still compiles with 2.95.

I also made doing Mic-E conversions more difficult.
The sysop must not only set "ConvertMicE yes" in the
aprsd.conf file but also change "#define CONVERT_MIC_E FALSE"
to "TRUE" in constant.c and recompile.
I added a new status field on the port 14501 html status
page "Mic-E Conversions YES/NO".

So far there have not been any reports of problems with
beta 3.  If beta 4 does not generate any significant
negative reports I'll release aprsd 215.




--
Dale Heatherington
Web Page http://www.wa4dsy.net
Sent by KMail for Linux



---
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```

368. [aprssig] Re: SATgate Identification...

From: "Brandon Cole" <brandonacole@yahoo.com>
Date: Fri, 12 Jul 2002 10:32:41
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-89041-2002.07.12-11.10.52--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

```
Thanks for the info.  I just updated my position comment and icon.  Does
anyone know how to make APRS+ insert my callsign into the gated packet
before it goes to internet so that people can see it was gated by me?  I
noticed on ariss.net that some positions have what looks like I-gate
callsigns in them (after RS0ISS*).

Brandon
AD5ER

---
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Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org
```

369. [aprssig] Re: SATgate Identification...

From: "Brent Hildebrand" <bhildebrand@earthlink.net>
Date: Fri, 12 Jul 2002 08:55:31 -0700
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-89042-2002.07.12-11.33.34--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

```
To have APRS+SA insert your callsign, you need to set the following items in
Settings.
Config section - set BitMask to 32.
IGate section - set AddUniqueID to 1
     and set,  UniqueID to   AD5ER,I
```

Next version will remove the BitMask requirement which is a relic from when there was less agreement on how to identify IGates.

Brent Hildebrand, KH2Z

APRS+SA
http://www.tapr.org/~kh2z/aprsplus
ftp://ftp.tapr.org/aprssig/winstuff/aprsplus

[]

----- Original Message -----
From: "Brandon Cole" <brandonacole@yahoo.com>
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Sent: Friday, July 12, 2002 10:32 AM
Subject: [aprssig] Re: SATgate Identification...

> Thanks for the info. I just updated my position comment and icon. Does
> anyone know how to make APRS+ insert my callsign into the gated packet
> before it goes to internet so that people can see it was gated by me? I
> noticed on ariss.net that some positions have what looks like I-gate
> callsigns in them (after RS0ISS*).
>
> Brandon
> AD5ER
>
> ---
> You are currently subscribed to aprssig as: b.hildebrand@verizon.net
> To unsubscribe send a blank email to leave-aprssig-842K@lists.tapr.org
> Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org
>
>

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Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

370. [aprssig] Weather Station question...

From: <kf4otn@cox.net>
Date: Fri, 12 Jul 2002 16:04:43 -0000 (GMT)
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-89043-2002.07.12-11.44.16--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Ok, I'm looking for an inexpensive weather station to use at a remote site for APRS. If anyone knows of a good one that won't break my bank, please let me know. Also, anyone have any idea of how to build, or know of where I could buy, a wave height indicator?

I have a boat that is about 60 miles away. Before I leave, I would like to be able to check my APRS screen and see what the temperature, Barometric Pressure, and wind speed/direction are. I would also like to know if the Sound is choppy or slick (the difference in 1/2 ft. seas and 3 ft seas!). Anyone know how this could be done and then reported to the APRS network?

73s,
Eric KF4OTN

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To unsubscribe send a blank email to leave-aprssig-842K@lists.tapr.org
Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

371. [aprssig] Re: Ham radio (and FRS) at Camp

From: Bob Bruninga <bruninga@usna.edu>
Date: Fri, 12 Jul 2002 12:17:52 -0400 (EDT)
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: amsat-bb@amsat.org
Message-ID: <LYR842-89045-2002.07.12-11.56.05--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Having been to camp this week, I have a new perspective on:

> SHACKS-FOR-PACKS (and troops and posts) is a program to encourage the
> permanent installation of HAM Shacks at all camps. These... simple
> pre-fab 8x8' sheds... provide a gathering place for kids to learn about
> radio from any camper, Mom or Dad that has brought his HAM equipment...

As a Dad, on arrival at camp for my one night tour of duty, I was told that my job was to sit in the campsite (rules require 2 adults present). THus, setting up a demo station in a central location (the mess hall) was out for the evening I was there...

As I was schelping my equipment down the trail to our campsite, I saw a suspiciious white rope going into the trees at a nearby campsite and followed it to a dipole, coax and another HAM! But no one outside of his troop knew it was there.

So here is the new cheap alternative to SHACKS-4-PACKS to give visibility to HAM radio in camp with greater flexibility. Simply prepare a permanent big sign in a central location that says something like:

```
+--------------------------+
|  HAM Station this week   |
|                          |
|     ***************      |
|     * ON THE AIR  *      |
|     ***************      |
| is operating at campsite |
+-------*---------*--------+
        *         *
    +---*---------*---+
    |  Davey Crocket  |
    +-----------------+
```

Actually it would also have a place for the operator to put his QSL card to identify who he is and it would also probably have a little note that says the HAM station is montoring 146.52 and FRS channel 7 tone 3 and an invitation to "come on down"...

Thus, everyone at camp will konw if HAM radio is currently being demonstrated and where. ALso, since an FRS radio is less than $20 these days, I would make the ON-AIR sign be RED and BACKLIT and hooked to the FRS squelch and a 15 minute one-shot timer so that I could trigger it to be ON remotely whenever I am on the air. Thus saving a hike to the mess-hall at the start and stop of each operating session...

The advantage here is that each HAM can do his thing WITH HIS TROOP in place at his campsite, yet still give the overall camp the visibility of operations. A problem with the shacks-4-packs concept is that the operator there must be independent of any other collateral duties since he is stuck at a central location.

I would make the sign about 1' by 2' and use a router to make it permanent on thick wood. The individual campsite plaques would hang below it... The sign should probably have a place on the back to keep all the unused campsite boards when not in use... Now, where to find the back-lit ON-AIR piece of red glass..?

See the design http://www.ew.usna.edu/~bruninga/shacksign.jpg

So anyway, I just thought I would post this ON-THE-AIR sign idea as a cheap and simple alternative to the SHACKS-4-PACKS idea....

de WB4APR, Bob

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Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

372. [aprssig] Re: Weather Station question...

From: "Spider" <spider@rivcom.net>
Date: Fri, 12 Jul 2002 09:49:29 -0700
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-89048-2002.07.12-12.27.53--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

----- Original Message -----
From: <kf4otn@cox.net>
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Sent: Friday, July 12, 2002 9:04 AM
Subject: [aprssig] Weather Station question...

Ok, I'm looking for an inexpensive weather station to use at a remote
site for APRS. If anyone knows of a good one that won't break my
bank, please let me know. Also, anyone have any idea of how to
build, or know of where I could buy, a wave height indicator?

Eric! Check http://www-frd.fsl.noaa.gov/mesonet/ before spending money.

You might find there is a station already near your location that could give
you the information you need.

Currently, there is no low cost method of getting a weather station onto
APRS. Some say the 1-wire is the way to go but by the time you buy
everything you need for it, you could go out and 'also' buy one. And, I do
not think it does any pressure readings yet.
The Peet Bros U2000 is probably your best bet, only because it interfaces
with an APRS TNC hassle free....that is about $367. And if you want
humidity, that is another $100.00 for that sensor! And, with that sensor,
you need to build a solar shield, or buy theirs...another $20 to $50.
So, with a radio, TNC, power supply, coax, etc., a weather station that will
give you more the wind and temp, you are looking at somewhere near $600.00.
of course, if you can scrounge the radio and tnc, that will save you some
money. I've done a lot of research on this subject and my numbers are very
close to being right on!

Jim,WA6OFT

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373. [aprssig] Re: SATgate Identification...

From: "Brandon Cole" <brandonacole@yahoo.com>
Date: Fri, 12 Jul 2002 12:6:31
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-89049-2002.07.12-12.44.45--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Okay. I set all of the settings as you indicated, but it is still
forwarding packets to the internet exactly as it sees them. I've been
connecting to port 1314 on the servers since I don't want to receive from
them, but I did try it while connected to port 23 of first.aprs.net, and
still no joy. Might I have missed an obvious setting somewhere else,
and/or do I need to be running a registered version of APRS+ for this to
work? Thanks for your help with this!

Brandon
AD5ER

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374. [aprssig] Re: SATgate Identification...

From: Bob Bruninga <bruninga@usna.edu>
Date: Fri, 12 Jul 2002 13:16:05 -0400 (EDT)
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: TAPR APRS Special Interest Group <aprssig@lists.tapr.org>
Message-ID: <LYR842-89050-2002.07.12-12.54.19--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

On Fri, 12 Jul 2002, Brandon Cole wrote:

> Okay. I set all of the settings as you indicated, but it is still
> forwarding packets to the internet exactly as it sees them. I've been

```
> connecting to port 1314 on the servers since I don't want to receive from
> them, but I did try it while connected to port 23 of first.aprs.net, and
> still no joy.  Might I have missed an obvious setting somewhere else,
> and/or do I need to be running a registered version of APRS+ for this to
> work?  Thanks for your help with this!

Here is what the authore of APRS+ says:
```

---

375. [aprssig] Re: SATgate Identification...

From: Brent Hildebrand <bhildebrand@earthlink.net>
Date: Fri, 12 Jul 2002 08:55:31 -0700
To: TAPR APRS Special Interest Group <aprssig@lists.tapr.org>
Rendered body type: text/plain

```
[ The following text is in the "iso-8859-1" character set. ]
    [ Your display is set for the "US-ASCII" character set.  ]
    [ Some characters may be displayed incorrectly. ]

To have APRS+SA insert your callsign, you need to set the following items in
Settings.
Config section - set BitMask to 32.
IGate section - set AddUniqueID to 1
     and set,  UniqueID to   AD5ER,I

Next version will remove the BitMask requirement which is a relic from when
there was less agreement on how to identify IGates.

Brent Hildebrand, KH2Z

APRS+SA
http://www.tapr.org/~kh2z/aprsplus
ftp://ftp.tapr.org/aprssig/winstuff/aprsplus

[]

----- Original Message -----
From: "Brandon Cole" <brandonacole@yahoo.com>
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Sent: Friday, July 12, 2002 10:32 AM
Subject: [aprssig] Re: SATgate Identification...


> Thanks for the info.  I just updated my position comment and icon.  Does
> anyone know how to make APRS+ insert my callsign into the gated packet
> before it goes to internet so that people can see it was gated by me?  I
> noticed on ariss.net that some positions have what looks like I-gate
> callsigns in them (after RS0ISS*).
>
> Brandon
> AD5ER
>
> ---
> You are currently subscribed to aprssig as: b.hildebrand@verizon.net
> To unsubscribe send a blank email to leave-aprssig-842K@lists.tapr.org
> Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org
>
>




---
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```

---

376. [aprssig] Re: Weather Station question...

From: Mark Fellhauer <sparkfel@qwest.net>
Date: Fri, 12 Jul 2002 12:21:42 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-89051-2002.07.12-13.00.10--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

At 11:04 AM 7/12/02, kf4otn@cox.net wrote:

>Ok, I'm looking for an inexpensive weather station to use at a remote
>site for APRS. If anyone knows of a good one that won't break my
>bank, please let me know. Also, anyone have any idea of how to
>build, or know of where I could buy, a wave height indicator?

I would like to add one thing about WX stations, and it may not apply to all situations and locations...

But I've found that rabbits love to chew on small gauge wire that's low to the ground. Telephone cable, Christmas tree lights, and WX Station cable seem to be the favorites. For some reason, they leave Coax alone.

Before putting in a WX station you might want to consider where to run the wires, and do so so that the wires run more than 4 feet the ground or run them through some kind of conduit.

73,

Mark
KC7BXS

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Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

377. [aprssig] Re: Weather Station question...

From: <kf4otn@cox.net>
Date: Fri, 12 Jul 2002 17:31:15 -0000 (GMT)
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-89055-2002.07.12-13.10.53--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Good thought! I also want to experiment with batteries and solar panels... so hopefully, no wires!

----- Original Message -----
From: "Mark Fellhauer" <sparkfel@qwest.net>
To: <kf4otn@cox.net>; "TAPR APRS Special Interest Group"
<aprssig@lists.tapr.org>
Sent: Friday, July 12, 2002 13:21
Subject: Re: Weather Station question...

At 11:04 AM 7/12/02, kf4otn@cox.net wrote:

>Ok, I'm looking for an inexpensive weather station to use at a
remote
>site for APRS. If anyone knows of a good one that won't break my
>bank, please let me know. Also, anyone have any idea of how to
>build, or know of where I could buy, a wave height indicator?

I would like to add one thing about WX stations, and it may not apply to all situations and locations...

But I've found that rabbits love to chew on small gauge wire that's low to the ground. Telephone cable, Christmas tree lights, and WX Station cable seem to be the favorites. For some reason, they leave Coax alone.

Before putting in a WX station you might want to consider where to run the wires, and do so so that the wires run more than 4 feet the ground or run them through some kind of conduit.

73,

Mark

KC7BXS

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378. [aprssig] Re: Weather Station question...

From: Terry Bendell <ve3tkb@rogers.com>
Date: Fri, 12 Jul 2002 13:37:04 -0400
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-89057-2002.07.12-13.15.56--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Owning several bunnies I can vouch for this comment.

It's a bunny thing, and it beats me why they don't eat coax,
They eat everything else in their path!

I would recommend conduit as your first choice.

73

Terry

on 7/12/02 1:21 PM, Mark Fellhauer at sparkfel@qwest.net wrote:

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379. [aprssig] Re: Rabbits and Weather Stations...

From: WA8LMF2@aol.com
Date: Fri, 12 Jul 2002 14:26:34 EDT
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-89060-2002.07.12-14.04.52--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

In a message dated 7/12/02 10:45:19 AM Pacific Daylight Time,
ve3tkb@rogers.com writes:

> It's a bunny thing, and it beats me why they don't eat coax,
> They eat everything else in their path!

I don't know about that! A ham friend of mine had a pet rabbit that chewed
through 3 separate runs of RG-8, knocking out an 80-40 dipole, a 2-meter beam
and a Ringo Ranger in a single weekend!

```
Stephen H. Smith                    wa8lmf @ aol.com
Home Page:
http://members.aol.com/wa8lmf
Ham Radio/Mobile SSTV page:     http://members.aol.com/wa8lmf/ham
APRS Stuff
http://members.aol.com/wa8lmf/aprs
------------------------------------------------------------------------------

----------
|    Radio Communications Systems       Personal Computers
|                Consulting and Systems Integration
|    GPS Custom Mapping    &     Radio Coverage Surveys
|    File Conversions       MS-Windows Setups       VISCII Fonts
------------------------------------------------------------------------------

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380. [aprssig] Re: Rabbits and Weather Stations...

From: David VanHorn <dvanhorn@cedar.net>
Date: Fri, 12 Jul 2002 13:35:32 -0500

To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-89062-2002.07.12-14.13.42--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

At 02:26 PM 7/12/2002 -0400, WA8LMF2@aol.com wrote:
>In a message dated 7/12/02 10:45:19 AM Pacific Daylight Time,
>ve3tkb@rogers.com writes:
>
> > It's a bunny thing, and it beats me why they don't eat coax,
> > They eat everything else in their path!
>
>I don't know about that! A ham friend of mine had a pet rabbit that chewed
>through 3 separate runs of RG-8, knocking out an 80-40 dipole, a 2-meter beam
>and a Ringo Ranger in a single weekend!

I've seen lead lined telco cables eaten through by roaches.
(And been bitten by them.)

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381. [aprssig] PCsat SATgate list

From: Bob Bruninga <bruninga@usna.edu>
Date: Fri, 12 Jul 2002 15:20:29 -0400 (EDT)
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-89072-2002.07.12-14.58.45--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

I looked back through a week or so of PCsat data and see the following permanent IGates apparently on line as determined by their callsign,I insertion.

KE6AFE-11
KF9X-5
KT6UK-2
W1TYL
DF5FF-10
PE5YES
ZR1CBC
ZS7ANT

I also saw a few packets gated via these stations who may only be home stations doing an occassional pass..?

FF6WAX-1
KF4OTN-1
N3GXH-1
N8NOE
VE3XZT
VE2MGJ
WB7AWL-00
WP4LBK-15
WB8NUT
WH6SJ

These are all of the IGates that are using callsign insertion to identify their packets. Igates (WinAPRS) that do not do this, are not identifiable and so do not show up here. If you are running a permanent SATgate and dont show up, let me know.

de WB4APR@amsat.org, Bob

PCsat WEB page	http://www.ew.usna.edu/~bruninga/pcsat.html
ISS-APRS FAQ:	http://www.ew.usna.edu/~bruninga/iss-faq.html
CUBESAT Designs	http://www.ew.usna.edu/~bruninga/cubesat.html
APRS LIVE pages	http://www.ew.usna.edu/~bruninga/aprs.html
APRS SATELLITES	http://www.ew.usna.edu/~bruninga/astars.html
MIM/Mic-E/Mic-Lite	http://www.toad.net/~wclement/bruninga/mic-lite.html

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382. [aprssig] Re: Rabbits and Weather Stations...

From: tvsjr <tvsjr@sprynet.com>
Date: Fri, 12 Jul 2002 14:23:13 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-89073-2002.07.12-15.00.17--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Did anyone suggest to him that a .22 could solve problems such as those?

```
At 02:26 PM 07/12/2002 -0400, WA8LMF2@aol.com wrote:
>In a message dated 7/12/02 10:45:19 AM Pacific Daylight Time,
>ve3tkb@rogers.com writes:
>
> > It's a bunny thing, and it beats me why they don't eat coax,
> >  They eat everything else in their path!
>
>I don't know about that!  A ham friend of mine had a pet rabbit that chewed
>through 3 separate runs of RG-8, knocking out an 80-40 dipole, a 2-meter beam
>and a Ringo Ranger in a single weekend!
>
>
>Stephen H. Smith                   wa8lmf @ aol.com
>Home Page:
>http://members.aol.com/wa8lmf
>Ham Radio/Mobile SSTV page:     http://members.aol.com/wa8lmf/ham
>APRS Stuff
>http://members.aol.com/wa8lmf/aprs
>------------------------------------------------------------------------------
>
>----------
>|    Radio Communications Systems       Personal Computers
>|                Consulting and Systems Integration
>|    GPS Custom Mapping    &     Radio Coverage Surveys
>|    File Conversions       MS-Windows Setups       VISCII Fonts
>------------------------------------------------------------------------------
>
>-----------
>
>---
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```

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383. [aprssig] Re: Rabbits and Weather Stations...

From: "Germino" <mgermino@inreach.com>
Date: Fri, 12 Jul 2002 12:38:56 -0700
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-89074-2002.07.12-15.23.58--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

```
>
> > It's a bunny thing, and it beats me why they don't eat coax,
> >  They eat everything else in their path!
*******************************************************88
> I don't know about that!  A ham friend of mine had a pet rabbit that
chewed
> through 3 separate runs of RG-8, knocking out an 80-40 dipole, a 2-meter
beam
> and a Ringo Ranger in a single weekend!

I have been told that it's related to the lack of salt in their diet.
Ground squirrels will chew on wires also.

If I had the choice of conduit or salt blocks I would use conduit. HI

Mike
AD6AA



---
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```

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384. [aprssig] Re: Ham radio (and FRS) at Camp

From: "Mike Yetsko" <myetsko@insydesw.com>
Date: Fri, 12 Jul 2002 17:29:07 -0400
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: <amsat-bb@amsat.org>

Message-ID: <LYR842-89079-2002.07.12-17.15.13--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Last summer I was in the Boy Scout camp for a week as an adult leader, and carted my K2 along. It worked out great, as our week overlapped a bit with the national jamboree. I took a 17ah battery along and it ran the K2 for a whole week with about 3 or more hours of use per day. Didn't transmit THAT much, but enough...

Had a few visitors to our tent. We had mess-hall dining that week, and the camp staff saw fit to announce that I was 'on the air'.

Mike

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Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

385. [aprssig] Re: Rabbits and Weather Stations...

From: "Mike Yetsko" <myetsko@insydesw.com>
Date: Fri, 12 Jul 2002 17:34:20 -0400
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-89080-2002.07.12-17.15.40--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

I think it depends on the individual. Over the years I've had about a
dozen
or more cats, but only two of them would 'chew wires'.

One I cured when it was on my train set (I was in high school) and the cat started chewing on a wire leading to a crossing gate. So I turned it on. Well, the cat went straight up in the air and came down in a puffed up fur ball configuration hissing and spitting at the wire. Never chewed a wire again.

That was over 30 years ago. Then I got a kitten 2 summers ago and it chewed on everything. Including a 110v cord to my reading light. You should have seen the ball of spit an fury that suddenly appeared when she broke through the insulation! Did she stop? No way. AFTER that I would still find cords chewed through... I think she liked the taste of electrons. She chewed through my charger for my cell phone. And then on the following nights kept chewing more and more away. She wouldn't touch the 'free' end. I really do think she liked the electricity.

Mike

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386. [aprssig] RE: Weather Station question...

From: "Ray McKnight - WB3ABN" <shortsheep@worldnet.att.net>
Date: Fri, 12 Jul 2002 16:06:17 -0700
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: <aprssig@tapr.org>
Message-ID: <LYR842-89095-2002.07.12-18.44.30--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

First, are you aware that NOAA has a fairly good system of automated weather buoys scattered around the entire US. Most are just offshore, some are in more densely populated high traffic harbors. You might find the wave height info for your boat nearby, already reported. They report everything you've asked for. Here's the link:

http://www.ems.psu.edu/wx/findbuoy.html
(I think somewhere on this site they have a link to display a map of buoy positions where you can just click to select the most recent obs.)

To build a wave height instrument you'll likely be going down the accelerometer route. I have no idea if inexpensive and fairly accurate sensors are available. You might run into a problem with insufficient bytes available within the weather packet to broadcast your additional data field. Need to ask Bob or someone who's expert in the spec.

As far as inexpensive wx stations, you can't get much less expensive
than a Radio Shack WX200 or the identical Oregon Scientific/Huger
WM-918. They can be found new on eBay for under $175 and have a full
compliment of sensors. Rather power hungry, though. They make a solar
powered version which is about twice as costly but maybe better suited
to your application. Just do a search on eBay for "weather station".

Is your boat tied to a dock or is it moored/anchored? If it's not at a
dock how will you compensate for the changing heading of the boat as it
swings in wind/current (thinking wind direction here)? This is assuming
you'll mount the sensors on the boat...

I wouldn't worry about baro pressure, the difference between you and the
60 mile away boat will almost never be significant or even accurately
measured with the precision of any hobby instruments which usually have
an error of around +/- .03-.06 inches.

73's
Ray - WB3ABN
Kingston, WA

-----Original Message-----
From: bounce-aprssig-29143@lists.tapr.org
[mailto:bounce-aprssig-29143@lists.tapr.org] On Behalf Of kf4otn@cox.net
Sent: Friday, July 12, 2002 09:05
To: TAPR APRS Special Interest Group
Subject: [aprssig] Weather Station question...

Ok, I'm looking for an inexpensive weather station to use at a remote
site for APRS. If anyone knows of a good one that won't break my
bank, please let me know. Also, anyone have any idea of how to
build, or know of where I could buy, a wave height indicator?

I have a boat that is about 60 miles away. Before I leave, I would
like to be able to check my APRS screen and see what the temperature,
Barometric Pressure, and wind speed/direction are. I would also like
to know if the Sound is choppy or slick (the difference in 1/2 ft.
seas and 3 ft seas!). Anyone know how this could be done and then
reported to the APRS network?

73s,
Eric KF4OTN

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To unsubscribe send a blank email to leave-aprssig-842K@lists.tapr.org
Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

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---

387. [aprssig] Re: Rabbits and Weather Stations...

From: Phil Reed <preed@dnaco.net>
Date: Fri, 12 Jul 2002 19:07:42 -0400
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-89096-2002.07.12-18.50.14--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

If you have a pet that chews wires, try putting some Tabasco sauce on a
cloth and liberally wiping the wires down. Give it a good coat. When I've
done this, they stop after the first chew.

At 05:34 PM 7/12/2002 -0400, Mike Yetsko wrote:
>Then I got a kitten 2 summers ago and
>it chewed on everything. Including a 110v cord to my reading light.
>You should have seen the ball of spit an fury that suddenly appeared
>when she broke through the insulation! Did she stop? No way. AFTER
>that I would still find cords chewed through... I think she liked the
>taste of electrons. She chewed through my charger for my cell phone.
>And then on the following nights kept chewing more and more away.
>She wouldn't touch the 'free' end. I really do think she liked the
>electricity.

>
>Mike
>

...phil / w8sca

"For a list of all the ways technology has failed
to improve the quality of life, press 3."

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388. [aprssig] Re: Rabbits and Weather Stations...

From: Mark Fellhauer <sparkfel@qwest.net>
Date: Fri, 12 Jul 2002 19:28:25 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-89101-2002.07.12-20.06.45--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

At 06:07 PM 7/12/02, Phil Reed wrote:

>If you have a pet that chews wires, try putting some Tabasco sauce on a
>cloth and liberally wiping the wires down. Give it a good coat. When I've
>done this, they stop after the first chew.
>

I read somewhere that a manufacturer was developing a wire jacketing system
that incorporates capsicum pepper extract. They stated that NO animal
likes hot sauce...

I had a Boston Terrier that loved Tabasco, btw. I bet you rabbits,
skunks, racoons, etc. would pick up a taste for it too...

73,

Mark
KC7BXS

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389. [aprssig] APRSD2.1.5b5

From: Valentino Sarro <sarrov@telusplanet.net>
Date: Fri, 12 Jul 2002 19:21:39 -0600
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-89104-2002.07.12-20.59.58--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Has anyone else tried downloading Dale Heatherington's new release of
APRSD?

I seem to be receiving CRC errors upon trying to uncompress the archive.

Tino, VE6SZR
Calgary, Alberta

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390. [aprssig] Re: [aprsspec] Varicoded Message, Bulletin, Announce Proposal

From: "Wes Johnston" <wes@johnston.net>
Date: Fri, 12 Jul 2002 21:24:43 -0400
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: <aprssig@tapr.org>
Message-ID: <LYR842-89105-2002.07.12-21.03.19--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Sounds like what you are suggesting is to make each letter of the alphabet
have a different number of bits. Then all the bits would be "stuffed
together" to make one long string of bits, which would then be chopped into
8 bit bytes. Those 8 bit bytes would then be transmitted in the data
portion of ax.25. The problem with this, if I'm right so far, is that some
of those 8bit bytes would be non-printable ascii characters. Like MIC-e
packets they would get clobbered in the internet system.

But I like this idea alot... just can't figure out how to make it work.

Wes
----- Original Message -----
From: <cbertaut@megapipe.net>
To: "APRS Spec Discussion List" <aprsspec@lists.tapr.org>
Sent: Friday, July 12, 2002 8:57 PM
Subject: [aprsspec] Varicoded Message, Bulletin, Announce Proposal

Let me flesh out my idea a bit further. I am proposing a new
Message/Bulletin/Announcement Data Type Identifier - let's say "\" to
indicate
Varicoded Messages, etc. The max. size is still 67 bytes, so more characters
would generally be available for messages given the usual distribution of
characters in message text. I suggest the use of G3PLZ's varicode alphabet,
which
would be interpreted by enabled APRS clients just like ASCII, since lookup
tables
are used for either ASCII or a Varicode to translate binary strings into
text.
The legacy message type, indicated by a DTI of ":" would remain in use to
permit
messaging to older client types. As a matter of convention, NOT
specification,
Bulletins and Announcements should not be Varicoded until Varicode-enabled
APRS
clients are the norm. G3PLZ's Varicode alphabet seems like a good fit
because it
was developed from character frequencies in English, not QSOs. Much of what
is
passed in a QSO is already encoded elsewhere in an APRS packet - e.g.,
callsigns,
QTH, WX, etc. Varicoding messages could enhace the tactical utility of APRS
by
permitting longer free-form messages within single packets, which would help
prevent channel congestio

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---

391. [aprssig] Re: APRSD2.1.5b5

From: Richard Parry <rparry@actionware.sdcoxmail.com>
Date: Fri, 12 Jul 2002 18:50:04 -0700
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-89108-2002.07.12-21.28.26--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

I have successfully compiled and installed the daemon on 2 different Linux
machines (both RH 7.2). No problems.

At 07:21 PM 7/12/2002 -0600, Valentino Sarro wrote:
>Has anyone else tried downloading Dale Heatherington's new release of
>APRSD?
>
>I seem to be receiving CRC errors upon trying to uncompress the archive.
>
>Tino, VE6SZR
>Calgary, Alberta

>
>---
>You are currently subscribed to aprssig as: w9if@arrl.net
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Rich Parry

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392. [aprssig] Re: APRSD2.1.5b5

From: Bob Nielsen <nielsen@oz.net>
Date: Fri, 12 Jul 2002 18:58:29 -0700
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-89109-2002.07.12-21.36.42--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

On Fri, Jul 12, 2002 at 07:21:39PM -0600, Valentino Sarro wrote:
> Has anyone else tried downloading Dale Heatherington's new release of
> APRSD?
>
> I seem to be receiving CRC errors upon trying to uncompress the archive.
>
> Tino, VE6SZR
> Calgary, Alberta

'tar xzf aprsd215b5.tgz' worked just fine for me (as did compilation
and installation).

--
Bob Nielsen, N7XY   n7xy@n7xy.net
Bainbridge Island, WA
IOTA NA-065, USI WA-028S

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393. [aprssig] Re: Rabbits and Weather Stations...

From: "Mike Yetsko" <myetsko@insydesw.com>
Date: Fri, 12 Jul 2002 22:26:07 -0400
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-89110-2002.07.12-22.07.29--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

> At 06:07 PM 7/12/02, Phil Reed wrote:
>
> >If you have a pet that chews wires, try putting some Tabasco sauce on a
> >cloth and liberally wiping the wires down. Give it a good coat. When
I've
> >done this, they stop after the first chew.
> >
>
> I read somewhere that a manufacturer was developing a wire jacketing
system
> that incorporates capsicum pepper extract.   They stated that NO animal
> likes hot sauce...
>
> I had a Boston Terrier that loved Tabasco, btw.   I bet you rabbits,
> skunks, racoons, etc. would pick up a taste for it too...
>
> Mark

Well, not the cat that chewed the wires, but my golden retriever loved
jalapenos... Had some out for snacks on small squares of cheddar with
a sprig of pickled garlic. Dog got at them. Loved them. Loved even
the peppers after that.

But then, the dog also loved bees. He would go after the yellow jackets
till his mouth was swollen...

Mike

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394. [aprssig] Re: Rabbits and Weather Stations...

From: Mark Fellhauer <sparkfel@qwest.net>
Date: Fri, 12 Jul 2002 21:47:40 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-89114-2002.07.12-22.26.06--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

At 02:23 PM 7/12/02, tvsjr wrote:

>Did anyone suggest to him that a .22 could solve problems such as those?

If I shot the rabbits around my ham shack with a firearm, I'd get a visit from the local police right quick.   They frown on that inside city limits. ;)   I do have a laser sighted and scoped 10/22, though.

We do have a pellet rifle which works OK, but the little varmints multiply...well...like rabbits...

Occassionaly the Pugs (Abbie and Trav) will catch a rabbit and use it for a good game of tug-o-lagomorph, but the dogs are too slow to get them all.   Plus they only have free run of the back yard when someone is home.

One of these days I gotta fix the wires on the SXFL Digi WX station...and get it hooked up...   Another radio project...

73,

Mark
KC7BXS

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395. [aprssig] Re: Rabbits and Weather Stations...

From: "Mike Yetsko" <myetsko@insydesw.com>
Date: Fri, 12 Jul 2002 22:52:22 -0400
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-89115-2002.07.12-22.33.32--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

> At 02:23 PM 7/12/02, tvsjr wrote:
>
> >Did anyone suggest to him that a .22 could solve problems such as
those?
>
> If I shot the rabbits around my ham shack with a firearm, I'd get a
visit
> from the local police right quick.   They frown on that inside city
> limits. ;)   I do have a laser sighted and scoped 10/22, though.
>
> Mark
> KC7BXS

Did you ever look into how quiet a 22 Short is from your 10/22? Or even a 22CB?

Or, if you have a 'gas operated' 22... Like an AR-15 with a 22 conversion kit? Just shoot almost ANY sub-sonic 22 in it and you can hear the metallic 'clank' of the hammer/firing-pin, and the 'swot' of the bullet hitting the target. And not hear much else...

Mike

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396. [aprssig] Re: Rabbits and Weather Stations...

From: "John R. Berg" <jb@chemdoc.com>
Date: Fri, 12 Jul 2002 20:06:38 -0700
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-89116-2002.07.12-22.41.58--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

```
There are some of us on this list that think that violence is quite a bit
off topic.  I'm into radios and communications, not killing.

Thank you.

John Berg K6JRB



At 10:52 PM 7/12/02 -0400, Mike Yetsko wrote:
> > At 02:23 PM 7/12/02, tvsjr wrote:
> >
> > >Did anyone suggest to him that a .22 could solve problems such as
>those?
> >
> > If I shot the rabbits around my ham shack with a firearm, I'd get a
>visit
> > from the local police right quick.   They frown on that inside city
> > limits.  ;)   I do have a laser sighted and scoped 10/22, though.
> >
> > Mark
> > KC7BXS
>
>Did you ever look into how quiet a 22 Short is from your 10/22?  Or even
>a 22CB?
>
>Or, if you have a 'gas operated' 22...  Like an AR-15 with a 22 conversion
>kit?  Just shoot almost ANY sub-sonic 22 in it and you can hear the
>metallic 'clank' of the hammer/firing-pin, and the 'swot' of the bullet
>hitting the target.  And not hear much else...
>
>Mike
>
>
>
>---
>You are currently subscribed to aprssig as: jb@chemdoc.com
>To unsubscribe send a blank email to leave-aprssig-842K@lists.tapr.org
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397. [aprssig] Re: Rabbits and Weather Stations...

From: Terry Bendell <ve3tkb@rogers.com>
Date: Fri, 12 Jul 2002 23:15:21 -0400
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-89117-2002.07.12-22.53.19--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

```
If you were my neighbour and not in a rural area I would videotape you and
have you arrested for discharging a firearm in a built up area, Hunting
without a license and or out of season and perhaps even criminal
negligence.



Lets just kill everything, it's easier then live trapping
and releasing right?
```

> Did you ever look into how quiet a 22 Short is from your 10/22? Or even
> a 22CB?
>
> Or, if you have a 'gas operated' 22... Like an AR-15 with a 22 conversion
> kit? Just shoot almost ANY sub-sonic 22 in it and you can hear the
> metallic 'clank' of the hammer/firing-pin, and the 'swot' of the bullet
> hitting the target. And not hear much else...
>
> Mike
>
>
>
> ---
> You are currently subscribed to aprssig as: ve3tkb@rogers.com
> To unsubscribe send a blank email to leave-aprssig-842K@lists.tapr.org
> Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org
>

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---

398. [aprssig] Re: Rabbits and Weather Stations...

From: Paul Womble <pwomble1@tampabay.rr.com>
Date: Fri, 12 Jul 2002 23:24:30 -0400
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-89118-2002.07.12-23.03.09--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Anyone have a great recipe for rabbit stew?

I have problems with opossum and armadillo's here. I doubt they are as tasty as
rabbit ;-)

Paul K4FB

> If you were my neighbour and not in a rural area I would videotape you and
> have you arrested for discharging a firearm in a built up area, Hunting
> without a license and or out of season and perhaps even criminal
> negligence.
>
>
>
> Lets just kill everything, it's easier then live trapping
> and releasing right?

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399. [aprssig] Re: Rabbits and Weather Stations...

From: Mark Fellhauer <sparkfel@qwest.net>
Date: Fri, 12 Jul 2002 22:59:03 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-89120-2002.07.12-23.37.28--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

At 10:06 PM 7/12/02, John R. Berg wrote:

>There are some of us on this list that think that violence is quite a bit
>off topic. I'm into radios and communications, not killing.
>
>Thank you.

Rabbits cause millions of dollars of damage to public and private property
every year in the U.S.   They carry diseases like bubonic plague and Lyme
Disease; and are routinely infested with fleas, ticks, and tapeworms, which
they transmit to houshold pets.   It has been well noted here, that they
damage communications networks, by chewing wires.   They are varmints, in
the true sense.

Since their natural predators, like coyotes, fishers, mountain lions, and
snakes have been seriously reduced in numbers, and are almost non-exitant

in urban and sub-urban areas there is nothing to check their
numbers. Homeowners and ham radio operators alike, need to protect their
property and indeed their lives, from rodent infestation.

Unfortunately, we have people like Mr. Berg and Mr. Bendall, who have the
misguided belief that fwuffy bunnies are too cute to kill. Or that catch
and release is an honest answer. Wild rabbits are a bio-hazard (any hunter
knows why there's a rabbit season). To live-trap and transport large
quantites of wild rabbits is a serious and expensive matter, plus you'll
probably be dumping your problem on someone else.

Are there solutions other than local control? Yes, currently some very
bright people are working on ways of applying a mixture of Permethrin and
Pyriproxifen to rodentia in the wild, with some good success. But is
expensive and takes 2 years or more to achieve any measurable level of flea
& tick reduction. And it doesn't kill internal parasites, nor does it
stop a lagomorph's incessant gnawing. It's the gnawing that kills trees,
vines, and other plants, and ruins wires.

As for eating rabbits, well I believe Jack London noted something in one of
his novels about starving by eating rabbits. Very little meat, and they're
too lean... ;)

I merely brought up the subject because my own WX station was rendered
non-functional by these little nippers. I take no joy in killing
them. But they are a pest, in the very true sense of the word, so kill
them I will. I'm sorry that upsets you...

73,

Mark
KC7BXS

The bounty on rabbits is only 2 cents, because they are harmless and lovable...

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400. [aprssig] Re: Rabbits and Weather Stations...

From: "Lee Inman" <leei@att.net>
Date: Fri, 12 Jul 2002 22:17:05 -0600
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-89122-2002.07.12-23.54.37--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

In the immortal words of Elmer Fudd - Be vewy vewy quiet. I'm hunting
wabbits.

And, just to stay on topic - 1 in 10 wabbits should be wearing APRS
trackers to help the hunters out. <G>

73, Lee K0QED

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401. [aprssig] Re: Rabbits and Weather Stations...

From: Terry Bendell <ve3tkb@rogers.com>
Date: Sat, 13 Jul 2002 00:30:13 -0400
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-89133-2002.07.13-00.08.11--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Listen and Read carefully,

I breed and raise rabbits, I understand far better then you do the
perils and pitfalls of the species. I have been doing it for 15
years, I am also a responsible Hunter and Firearm owner.

I do not object to Hunting, I do object to a
person who chooses to give

advice advocating the discharge of firearms
without knowing the persons living arrangements
especially in a residential area.

As I stated before, many places do not permit
the discharge of firearms, pellet guns, longbows and
crossbows.

I have said my piece, I will post no more on this topic.

73

Terry

on 7/12/02 11:59 PM, Mark Fellhauer at sparkfel@qwest.net wrote:

> Unfortunately, we have people like Mr. Berg and Mr. Bendall, who have the
> m

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402. [aprssig] RE: "Kill The Rabbits "

From: wa4tkg@attbi.com
Date: Sat, 13 Jul 2002 04:59:46 +0000
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-89142-2002.07.13-00.38.05--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

THAT sounds good to me....lets KILL everything..
" Let God sort it out "....

You people get a LIFE; will 'ya ?
In our " New Age " of TERRORISM,
there are OBVIOUSLY some who still
think our little world is " Peachy Keen " ; and we
" Don't NEED " this or that.....right.

Sorry Everyone; When I FINALLY read one of
THIS string; I just HAD to write..
Back into MONITOR mode; and I'm gunna'
sit back and READ this RAG list......with Corona~ in hand.

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403. [aprssig] REF: Kill 'Da Wabbits

From: wa4tkg@attbi.com
Date: Sat, 13 Jul 2002 05:10:27 +0000
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-89146-2002.07.13-00.48.47--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Man; this is GREAT....I have to stop IGNORING these
long strings I see, and check one of em out sooner....He, he, he.

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Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

404. [aprssig] RE: "Kill The Rabbits "

From: Jim Duncan <jdbandman@earthlink.net>
Date: Sat, 13 Jul 2002 00:11:38 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-89147-2002.07.13-00.50.05--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

```
In the immortal words of Elmer Fudd....

"Kill da wabbit.  Kill da wabbit!  Kill da WABbit!!!"  (sung to "Ride of
the Valkyries" by Wagner)

Bugs:  "Oh MIGHty warrior of such fighting stock.... <munch> <munch>
       "Might I inquire to ask <munch munch munch 'What's up Doc?"

Elmer: "I'm going to kill da wabbit, kill da wabbit!"

Bugs:  "Oh MIGHty hunter it will be quite a task.....
       "How WILL you do it, might I inqui-yur to AHSK?"

Elmer: "I will kill him with my speayuw n magic HEWWmut!"

Bugs:  "Spear and magic HELmit?"

Elmer:  "My speayuw n magic HEWWmut!!!!"

Bugs: (pointing over shoulder cockily) <spoken> "Magic helmet...."

Elmer:  "YES! and I'uh give you a SAMpuwuh!!!!"

(the preceeding from "What's Opera, Doc", (c) Warner Brothers, 1959.)
--
73 de Jim, KU0G
Chairman/Coordinator
Kansas City APRS Working Group, W0APR
First Alert Storm Team KMBC-TV9
Mailto:ku0g@kcaprs.org
Webpage: http://www.kcaprs.org

---
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Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org
```

405. [aprssig] REF: Kill Da' Wabbit

From: wa4tkg@attbi.com
Date: Sat, 13 Jul 2002 05:16:51 +0000
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-89152-2002.07.13-00.55.18--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

```
Well Said:

In the US; ANYWHERE within " City Limits " it is ILLEGAL
to " Discharge " a firearm....makes sense to ME....

By the way; what's the Hunting Seasons up there
like now-a-days ?

As we of " South of the Border " understand,
you can't even go up your way to Hunt any more?
If you try to cross the border with firearms now, you'll
be ARRESTED ?

(not that I'm a hunter; but I am INTERESTED
in the " politics " of the day)

---
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Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org
```

406. [aprssig] REF: Wabbit Season

From: wa4tkg@attbi.com
Date: Sat, 13 Jul 2002 05:22:10 +0000
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-89153-2002.07.13-01.00.38--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Some of you guys just KILL me....

I WAS getting TIRED of seeing these E Mails all the
time; to the point I was GOING to UN-Subscribe....
Not any more.
You can't BUY this kind of entertainment.

---
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407. [aprssig] Re: REF: Wabbit Season

From: Jim Duncan <jdbandman@earthlink.net>
Date: Sat, 13 Jul 2002 00:27:40 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-89154-2002.07.13-01.05.59--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

DUCK SEASON!!!!!!

--
73 de Jim, KU0G
Chairman/Coordinator
Kansas City APRS Working Group, W0APR
First Alert Storm Team KMBC-TV9
Mailto:ku0g@kcaprs.org
Webpage: http://www.kcaprs.org

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Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

408. [aprssig] RE: "Kill The Rabbits "

From: wa4tkg@attbi.com
Date: Sat, 13 Jul 2002 05:33:20 +0000
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-89155-2002.07.13-01.11.38--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

I could recite you that entire cartoon....
we BOUGHT that tape for my daughter, when she
was 2.

---
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Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

409. [aprssig] Re: Rabbits and Weather Stations...

From: Bill Vodall - WA7NWP <wa7nwp@yahoo.com>
Date: Fri, 12 Jul 2002 23:00:49 -0700
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-89157-2002.07.13-01.39.12--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

>
>
\>As I stated before, many places do not permit
\>the discharge of firearms, pellet guns, longbows and
\>crossbows.

Nor sling shots...   They're illegal here in the
Republic of Redmond...

Bill, WA7NWP

---
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To unsubscribe send a blank email to leave-aprssig-842K@lists.tapr.org
Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

410. [aprssig] Re: Sling Shots

From: Mark Fellhauer <sparkfel@qwest.net>
Date: Sat, 13 Jul 2002 01:28:40 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-89159-2002.07.13-02.07.12--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

```
At 01:00 AM 7/13/02, Bill Vodall - WA7NWP wrote:

> >
> >
> >As I stated before, many places do not permit
> >the discharge of firearms, pellet guns, longbows and
> >crossbows.
>
>Nor sling shots...   They're illegal here in the
>Republic of Redmond...

As in New Jersey.   How do you guys string antennas for field day?

http://www.antennex.com/hws/ws0502/seall.html

 From the Daisy Powerline (TM) slingshot page:

"State laws prohibit us from shipping or selling slingshots to residents of
Illinois, New Jersey, Connecticut, Delaware, New York, New Mexico and
Washington, D.C."

Sheesh!   Dennis the Menace wanted in 6 states and DC for possesing a piece
of wood and a rubber band...

Now all those states in the Eastern Bloc I can understand, but New Mexico?

I have an Arrow T-59 staple gun, is that next?  Will the public posession
of insulated staples be a crime?

73,

Mark
KC7BXS





---
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Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org
```

411. [aprssig] Re: Sling Shots

From: Bill Vodall - WA7NWP <wa7nwp@yahoo.com>
Date: Fri, 12 Jul 2002 23:50:42 -0700
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-89160-2002.07.13-02.29.05--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

```
>>Nor sling shots...   They're illegal here in the
>>Republic of Redmond...
>
>As in New Jersey.   How do you guys string antennas for field day?
>
>http://www.antennex.com/hws/ws0502/seall.html

Nice safe spud guns...   <g>   A little Right Guard never
hurt anybody...

Bill




---
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Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org
```

412. [aprssig] Royal PDAs (and rodents)

From: "M. Schneider" <msokla@brightok.net>
Date: Sat, 13 Jul 2002 03:26:26 -0500

To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-89161-2002.07.13-03.58.05--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

```
I was in Radio Shack yesterday and saw they are selling Royal PDAs for
$59.99, 1, 2, or 4meg memory, including folding keyboard & cradle, same
price.  I remember some discussion somewhere several months back about
these.  What was the verdict, will these work with APRS, say with PalmAPRS?
Sure be a lot easier to carry in my truck than a laptop.

Mark Schneider
K5MAR
A.E.C., Payne Cty, Okla. ARES

Squirrels:  Rats with fluffy tails and good PR
Rabbits:    Rats with short, fluffy tails and excellent PR



---
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To unsubscribe send a blank email to leave-aprssig-842K@lists.tapr.org
Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org
```

---

413. [aprssig] Re: Weather Station question...

From: "Spider" <spider@rivcom.net>
Date: Sat, 13 Jul 2002 02:02:47 -0700
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-89163-2002.07.13-04.41.20--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

```
----- Original Message -----
From: "Terry Bendell" <ve3tkb@rogers.com>
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Sent: Friday, July 12, 2002 10:37 AM
Subject: [aprssig] Re: Weather Station question...


> Owning several bunnies I can vouch for this comment.
>
> It's a bunny thing, and it beats me why they don't eat coax,
> They eat everything else in their path!

Many cables are treated with chemicals that animals do not like.  The cables
that are not treated are usually chewed up!
At one of my locations, we have Donkey's (Desert Mules) that love kicking
the shixxx out of any cable they can find....and I think they team up and go
looking for it!

Jim, WA6OFT





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To unsubscribe send a blank email to leave-aprssig-842K@lists.tapr.org
Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org
```

---

414. [aprssig] RE: Weather Station question...

From: "Spider" <spider@rivcom.net>
Date: Sat, 13 Jul 2002 02:26:47 -0700
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: <aprssig@tapr.org>
Message-ID: <LYR842-89164-2002.07.13-05.05.17--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

```
> As far as inexpensive wx stations, you can't get much less expensive
> than a Radio Shack WX200 or the identical Oregon Scientific/Huger
> WM-918.  They can be found new on eBay for under $175 and have a full
> compliment of sensors.  Rather power hungry, though.  They make a solar
> powered version which is about twice as costly but maybe better suited
> to your application.  Just do a search on eBay for "weather station".
>
And then you need to buy a computer to interface to a TNC/Radio.  And in a
remote application, proves to be very unreliable.  Someday, someone is going
to design and build a pic chip dohicky for the WM-918 allow the WM-918 to
connect directly to a TNC, or eliminate the computer and tnc all together.
```

If that ever happens, the WM-918 would be an excellant way to go for a
remote WX station.

>
> I wouldn't worry about baro pressure, the difference between you and the
> 60 mile away boat will almost never be significant or even accurately
> measured with the precision of any hobby instruments which usually have
> an error of around +/- .03-.06 inches.

In many cases precision of accuracy is not what is important. Accuracy is
in the eyes of the beholder. Repeatability is what is most important. An
instrument can be off, way of, and as long as that is understood, makes no
difference. A trained Instruments tech will understand this. However, if
an instrument does not repeat its measurements, then it can not be relied
on. Example: Your gas gauge can be off 5 gallons. As long as you know
this, you are ok. Most people can mentally adjust for a repeatable error.
However, if it is off 5 gallons one time, 3 gallons the next, 8 gallons the
next, you will probably 'not' be ok.
Another perfect example of this is the difference between true north and
magnetic north in the Arizona Deserts using a magnetic compass!

Jim - WA6OFT

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415. [aprssig] Re: REF: Kill Da' Wabbit

From: "Mike Yetsko" <myetsko@insydesw.com>
Date: Sat, 13 Jul 2002 06:44:59 -0400
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-89166-2002.07.13-06.26.03--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

----- Original Message -----
From: <wa4tkg@attbi.com>

> In the US; ANYWHERE within " City Limits " it is ILLEGAL
> to " Discharge " a firearm....makes sense to ME....

Actually, not true. For example, here in Mass the 'unlawful discharge
of a firearm' is how I believe it is worded. And there are rules and
considerations for what constitutes an 'unlawful discharge'. But there
is no blanket ruling on that.

> By the way; what's the Hunting Seasons up there
> like now-a-days ?

Don't know, actually. I haven't hunted for years. Too many idiots
in the woods with guns for my comfort level. But at the last I was
involved with a local club, they are actually stocking rabbits on the
grounds for the members to harvest.

Mike

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Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

416. [aprssig] Re: Rabbits and Weather Stations...

From: "Mike Yetsko" <myetsko@insydesw.com>
Date: Sat, 13 Jul 2002 06:48:44 -0400
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-89167-2002.07.13-06.31.04--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

----- Original Message -----
From: "Bill Vodall - WA7NWP" <wa7nwp@yahoo.com>
>
> Nor sling shots...   They're illegal here in the

> Republic of Redmond...
>
> Bill, WA7NWP

Up until the rewrite of the local gun laws a couple of years ago,
slingshots were a 'prohibited weapon'. I could own a machine gun,
but not a slingshot.

The rewrite seems to have let the slingshots slip out of the law. But
I don't know that for sure yet.

I only mention that because a lot of HAMs use them for launching
antennas, especially for field days or other temporary setups, and
we had to go out of state to buy them. And risk a gun law violation
for even having one...

Mike

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Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

---

417. [aprssig] Re: REF: Kill Da' Wabbit

From: "Mark A. Foley" <na4v@cox.net>
Date: Sat, 13 Jul 2002 06:56:27 -0400
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-89168-2002.07.13-06.34.55--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

What value has this thread to APRS?
Mark, NA4V

-----Original Message-----
From: bounce-aprssig-27405@lists.tapr.org
[mailto:bounce-aprssig-27405@lists.tapr.org] On Behalf Of Mike Yetsko
Sent: Saturday, July 13, 2002 6:45 AM
To: TAPR APRS Special Interest Group
Subject: [aprssig] Re: REF: Kill Da' Wabbit

----- Original Message -----
From: <wa4tkg@attbi.com>

> In the US; ANYWHERE within " City Limits " it is ILLEGAL
> to " Discharge " a firearm....makes sense to ME....

Actually, not true. For example, here in Mass the 'unlawful discharge
of a firearm' is how I believe it is worded. And there are rules and
considerations for what constitutes an 'unlawful discharge'. But there
is no blanket ruling on that.

> By the way; what's the Hunting Seasons up there
> like now-a-days ?

Don't know, actually. I haven't hunted for years. Too many idiots in
the woods with guns for my comfort level. But at the last I was
involved with a local club, they are actually stocking rabbits on the
grounds for the members to harvest.

Mike

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Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

418. [aprssig] Re: REF: Kill Da' Wabbit

From: "Ronald Reams" <wa4mjf@worldnet.att.net>
Date: Sat, 13 Jul 2002 07:07:26 -0400
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-89169-2002.07.13-06.45.50--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

```
Mark, it helps show us
how  to protect exposed wires and cables of your APRS
station from wabbits and other critters.

73 de Ronnie


----- Original Message -----
From: "Mark A. Foley" <na4v@cox.net>
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Sent: Saturday, July 13, 2002 06:56
Subject: [aprssig] Re: REF: Kill Da' Wabbit


What value has this thread to APRS?
Mark, NA4V

-----Original Message-----
From: bounce-aprssig-27405@lists.tapr.org
[mailto:bounce-aprssig-27405@lists.tapr.org] On Behalf Of Mike Yetsko
Sent: Saturday, July 13, 2002 6:45 AM
To: TAPR APRS Special Interest Group
Subject: [aprssig] Re: REF: Kill Da' Wabbit


----- Original Message -----
From: <wa4tkg@attbi.com>


> In the US; ANYWHERE within " City Limits " it is ILLEGAL
> to " Discharge " a firearm....makes sense to ME....

Actually, not true.  For example, here in Mass the 'unlawful discharge
of a firearm' is how I believe it is worded.  And there are rules and
considerations for what constitutes an 'unlawful discharge'.  But there
is no blanket ruling on that.

> By the way; what's the Hunting Seasons up there
> like now-a-days ?

Don't know, actually.  I haven't hunted for years.  Too many idiots in
the woods with guns for my comfort level.  But at the last I was
involved with a local club, they are actually stocking rabbits on the
grounds for the members to harvest.

Mike





---
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Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org
```

---

419. [aprssig] Re: REF: Kill Da' Wabbit

From: "Mike Yetsko" <myetsko@insydesw.com>
Date: Sat, 13 Jul 2002 07:12:17 -0400
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-89170-2002.07.13-06.53.18--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

```
----- Original Message -----
From: "Mark A. Foley" <na4v@cox.net>
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Sent: Saturday, July 13, 2002 6:56 AM
Subject: [aprssig] Re: REF: Kill Da' Wabbit


> What value has this thread to APRS?
> Mark, NA4V
```

Actually, I would venture to say MOST of this thread has 'moved off'
to private discussions.

Isn't that a real positive aspect of HAM radio? Various topics come up
in discussions between HAMs, and friends are made with like interests.

Seems like a plus to me.

Only now there will be people objecting to it. And that's ok too. Except
for the fact that I will lay long odds the thread will be dead or almost
dead, and someone will just have to 'chime in' with a complaint to get
the last word in. Maybe even a day or two after the thread originally
dies. It almost always happens....

Mike

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Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

420. [aprssig] Re: COM Query

From: "Tim Billingsley" <kd5ckp@centurytel.net>
Date: Sat, 13 Jul 2002 07:29:01 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-89176-2002.07.13-08.08.04--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Curious if any of you have tried the USB to Serial adapters?
Do they work well in TNC applications or is it another gimmick that comes
close to the real thing, but fall short when it gets down to the
nitty-gritty?

Tim KD5CKP

http://www.pcmall.com/pcmall/shop/detail.asp?dpno=976128

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To unsubscribe send a blank email to leave-aprssig-842K@lists.tapr.org
Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

421. [aprssig] Re: COM Query

From: Rich Osman <Rich@Osman.com>
Date: Sat, 13 Jul 2002 08:37:29 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: TAPR APRS Special Interest Group <aprssig@lists.tapr.org>
Message-ID: <LYR842-89181-2002.07.13-09.21.47--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

I expect that they'll work fine for hardware TNCs and software that is nicely
behaved and uses the OS services to talk to the com ports. they probably
won't work at all with Baycom style TNCs that rely on software to implement
synchronous serial comm.

Tim Billingsley wrote:

> Curious if any of you have tried the USB to Serial adapters?
> Do they work well in TNC applications or is it another gimmick that comes
> close to the real thing, but fall short when it gets down to the
> nitty-gritty?
>
> Tim KD5CKP
>
> http://www.pcmall.com/pcmall/shop/detail.asp?dpno=976128
>
> ---
> You are currently subscribed to aprssig as: rich@osman.com
> To unsubscribe send a blank email to leave-aprssig-842K@lists.tapr.org
> Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

--

mailto:Rich@Osman.com http://www.rich.osman.com
Rich Osman; POB 93167; Southlake, TX 76092 (Near DFW Airport) ARS: N1OZ

If you receive something that says "Send this to everyone you know,"
PLEASE pretend you don't know me.

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To unsubscribe send a blank email to leave-aprssig-842K@lists.tapr.org
Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

---

422. [aprssig] REF: USB > Serial

From: wa4tkg@attbi.com
Date: Sat, 13 Jul 2002 14:34:39 +0000
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-89185-2002.07.13-10.12.57--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

I use one (a Belkin) with an iMac; OS 9

There is no other way to get into the computer,
so it's either that or nothing (APRS).

It works quite well/just fine, EXCEPT:
I now purchased a Belkin HUB, and it will
NOT function properly with a camera and printer
plugged into it.
The signal will NOT go through the HUB properly, and
get to the computer....anyone have any idea WHY NOT ?
Both units were purchased from the counterpart to the site
you listed.

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To unsubscribe send a blank email to leave-aprssig-842K@lists.tapr.org
Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

---

423. [aprssig] Re: COM Query

From: "Mike Yetsko" <myetsko@insydesw.com>
Date: Sat, 13 Jul 2002 10:33:48 -0400
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-89186-2002.07.13-10.15.40--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

----- Original Message -----
From: "Tim Billingsley" <kd5ckp@centurytel.net>

> Curious if any of you have tried the USB to Serial adapters?
> Do they work well in TNC applications or is it another gimmick that
comes
> close to the real thing, but fall short when it gets down to the
> nitty-gritty?
>
> Tim KD5CKP

Well, first off, consider how these things work.

USB is a serial bus that interfaces to a special chip, usually on the PCI
bus,
in a PC. When a device is recognized as being active on the USB bus, the
host software makes it 'appear as if' that device is on the host bus.

Now, how does it do this? There are no interrupts on USB, but it supports
devices that obviously need and use interrupts. USB had no 'ports' that
you can 'talk to' kind of thing.

The host in this case 'virtualizes' what it needs. For example, if you
put a
'serial' device on USB, the host will 'create' a serial port for that
device.
Accesses by the host CPU to any address for that serial device are trapped
and sent 'as if' the CPU was talking to a real serial port. In addition,
the
USB device at the other end sends data and status back that the host USB
support also 'converts' so that the CPU (from a user point of view) cannot
tell is not from a real serial port installed in the machine.

This means that if have software that talks to a serial port on a DOS
machine, even to the point of running interrupts, the USB support should
'convert' that so that it interfaces to a USB devices and cannot tell that
in this case the serial device is at the end of a USB cable.

Think of it like your phone. For years phones worked by being a current
modulated loop. You talked, you modulated a current loop, the other
party heard you. Now there's a CPU in the way, converting it to digital,
maybe optic, maybe microwave (there's still a bit of that!) and back to
a current loop at the other end. Can you phone tell what happens to the
signal in the middle? Does it matter?

The trick is at what level the USB support works, or doesn't work. And
at what level the application tries to know what's going on. If you run a
DOS application, it probably only knows about the 'hardware'. So IF
you get a USB setup that happens to make the device appear just as the
hardware the DOS application expects, then it should work fine.

But, with most PCs coming with multiple serial ports, the USB stuff is
usually 'tacked on' to a long list, moving outside the venue of what the
DOS application knows how to talk to.

In this case, if your application is newer than the DOS application and
knows how to talk to windows COM ports, then again it will probably
work. But it's a big if...

Where MOST of the problems lie, in my opinion, is that a LOT of the
so-called windows applications are no such thing. They are a partial
kludge just to make a minimal set of functionality 'appear' to work, and
generally only work on a few of the com ports that it the programs still
try to force as if they were real hardware available.

Mike

---
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424. [aprssig] Re: COM Query

From: Mark Earle <wa2mct@mearle.com>
Date: Sat, 13 Jul 2002 09:58:41 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-89188-2002.07.13-10.36.54--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Having read all those good points, I will toss this out:

1. Win2k Pro, APRS+2.06, or YK. TNC works fine as USB derived com4; gps on
usb derived com3. Machine has "real" com1 (db9, used for hotsync a Palm)
and com2 (built in modem with uart)

2. Garmin's windows "PCX45" management software is more a dos program with
a kludgy gui. Does not work using the usb com port.

3. Of course the Baycom mostly-software (DOS) tnc gadget does not work wtih
the USB.

```
       ) )    de WA2MCT Mark
      ( (
       ) )    You will be assimilated... oooh, coffee!!
    _|****|   http://www.findu.com/cgi-bin/find.cgi?wa2mct-8 Home
   ( |    |   http://www.findu.com/cgi-bin/find.cgi?wa2mct-9 Mobile
    `|____|   wa2mct@mearle.com  wa2mct@juno.com  www.mearle.com/mark
```

---
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425. [aprssig] Re: New beta of aprsd 215 available

From: Dale Heatherington <dale@wa4dsy.net>
Date: Sat, 13 Jul 2002 10:58:53 -0400
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-89189-2002.07.13-10.37.22--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

```
I've received reports that betas 4 and 5 do not compile on
RedHat 6.2.  This was caused by a change in the makefile
to stop GNU g++ 3.1 compilers from emitting lots of "deprecated"
warnings.  I've turned back on all warnings so RH 6.2
will be happy. Also I've tweeked some documenation.
We are getting real close....

The latest version can be downloaded at:

http://www.wa4dsy.net/aprs/index.html#aprsservers




--
Dale Heatherington
Web Page http://www.wa4dsy.net
Sent by KMail for Linux




---
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```

426. [aprssig] ok, so my delete key works!

From: "Bob K8YS & Janet N8LBR" <jbcraft@adelphia.net>
Date: Sat, 13 Jul 2002 11:01:52 -0400
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-89191-2002.07.13-10.44.04--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

```
I NORMALLY delete these long threads... I mean, just how interesting (TO ME)
is the ISS, GATES, and all the other stuff that goes on for weeks... but
this thread has actually been FUNNY... and since I too have the critters
living in the no-mans-land buffer between me and the interstate highway
behind me, I have RABBITS, DEER, DUCKS, GEESE {could possiblly tie the award
for most obnoxious animal on earth}... and the yard is fenced... but the
RABBITS sit outside the fence and taunt the dogs. The only thing that scares
the rabbits is an unidentified flying object. They do not immediately know
if it is an inbound Mallard or a hawk on war patrol.

I keep a .22 Remington bolt action with a 4 - 9x scope. The old Remington is
a single shot -- perfect for night sniping of cable jacket offenders.

Well, back to reading... somebody ought to archive this stuff and publish it
at the Hamvention or the DCC.

Bob



---
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```

427. [aprssig] Re: APRSD2.1.5b5

From: "Ron MacKay" <ve1aic@yahoo.com>
Date: Sat, 13 Jul 2002 10:43:42
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-89192-2002.07.13-11.21.59--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

```
Tino I downloaded and extracted aprsd215b5.tgz no problem.
I did have a snag compiling it on my RH6.2 system as the compiler did not
like the warning flag 'no-deprecated' so I removed it and everything went
well after that.
Its up and running on test now.
73 - Ron
VE1AIC
ve1uhf.no-up.com:14501
```

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428. [aprssig] Re: COM Query

From: "Jason Rausch" <ke4nyv@msn.com>
Date: Sat, 13 Jul 2002 11:7:41
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-89193-2002.07.13-11.45.59--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Since I have a laptop with ONLY 2 USB's and no serial, I was forced to go the USB >> Serial adapter way. So far the only adapter that I haave used that worls well is the one sold by http://www.pfranc.com (same guy with Garmin connectors). It works with MOST things, TNCs and GPS's just fine, but I find some un-self-powered devices have problems.

73's
Jason KE4NYV
www.ke4nyv.com

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429. [aprssig] Re: Sling Shots

From: "Brian B. Riley \(N1BQ\) ListAcct" <n1bq_list@wulfden.org>
Date: Sat, 13 Jul 2002 12:56:02 -0400
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-89194-2002.07.13-12.34.20--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Add to the list, State Forests in Pennsylvania

-----Original Message-----
From: bounce-aprssig-25883@lists.tapr.org
[mailto:bounce-aprssig-25883@lists.tapr.org]On Behalf Of Mark Fellhauer
Sent: Saturday, July 13, 2002 2:29 AM
To: TAPR APRS Special Interest Group
Subject: [aprssig] Re: Sling Shots

At 01:00 AM 7/13/02, Bill Vodall - WA7NWP wrote:

> >
> >
> >As I stated before, many places do not permit
> >the discharge of firearms, pellet guns, longbows and
> >crossbows.
>
>Nor sling shots...   They're illegal here in the
>Republic of Redmond...

As in New Jersey.   How do you guys string antennas for field day?

http://www.antennex.com/hws/ws0502/seall.html

From the Daisy Powerline (TM) slingshot page:

"State laws prohibit us from shipping or selling slingshots to residents of Illinois, New Jersey, Connecticut, Delaware, New York, New Mexico and Washington, D.C."

Sheesh!   Dennis the Menace wanted in 6 states and DC for possesing a piece of wood and a rubber band...

Now all those states in the Eastern Bloc I can understand, but New Mexico?

I have an Arrow T-59 staple gun, is that next? Will the public posession of insulated staples be a crime?

73,

Mark
KC7BXS

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430. [aprssig] Re: ISS Igates and antennas

From: bob evinger <wd9eka@evinger.com>
Date: Sat, 13 Jul 2002 11:56:52 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-89195-2002.07.13-12.35.31--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Rotten luck. Got my 1/4 wave moved to a 2ftx2ft sheet of aluminum and mounted on the top of my metal chimney just in time for the last pass today. Unfortunately despite what the nasa foot print says I was apparently too far out of the line. I could hear the squelch break a few times on another radio but no discernible packets.

Is anybody actually gating or seeing aprs packets over the central US on these passes. I am seeing some qty of interactions of stations with a bbs but have yet to see a single aprs packet on the passes I have made sure and been at a terminal where i could see the data.

I am beginning to suspect that the tnc I have allocated for the Igate may have problems. It is a paccom micropower 2 and it was not printing most packets I was hearing even though they acoustically sounded reasonable. I am going to try and swap TNC's between my 144.39 and Igate radios and see if that makes a diff tonight. The other tnc is an mfj1270. At least if the paccom has problems it will be easier to debug it on 144.39 than the <10 minute passes on ISS.

--
Bob Evinger   WD9EKA/AAR5MG(Army MARS operator)
If Guns Cause Crime, Then Matches Cause Arson.

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431. [aprssig] Re: Weather Station question...

From: Byron Smith <wa6ylb@theworks.com>
Date: Sat, 13 Jul 2002 10:13:40 -0700
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-89197-2002.07.13-12.57.42--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

>
>Ok, I'm looking for an inexpensive weather station

A couple of thoughts here. The Peet model 100 is the lowest cost Peet station with serial output. It doesn't have humidity and pressure, but rain, temps etc. West Marine sells the Peet 100 as a "weatherbase 10" unit. Check their website www.westmarine.com. I got one of the Wx base 10 on sale a few years ago for about 140 bucks. Also picked up a Peet 100 for about this same amount.
The Weatherbase 10 is shown at http://www.theworks.com/~wa6ylb/wa6ylb4.htm

> Also, anyone have any idea of how to
>build, or know of where I could buy, a wave height indicator?

If you do come up with a sensor, then you might consider a KPC3+ tnc at the site, since you can interface into the A/D sensors in this tnc, and beacon the telemetry.

Byron Smith
wa6ylb@theworks.com

http://www.theworks.com/~wa6ylb

What was the best thing before sliced bread?

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432. [aprssig] Re: COM Query

From: Gerry Creager N5JXS <n5jxs@tamu.edu>
Date: Sat, 13 Jul 2002 12:48:15 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: TAPR APRS Special Interest Group <aprssig@lists.tapr.org>
Message-ID: <LYR842-89208-2002.07.13-13.24.24--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

I picked up a Belkin product using, I believe, the Magic Chips chipset for USB/serial interface. Sold for $49 for syncing a PDA. I attached it to my Linux system, and it just worked, no modules to load, no problems. Oh... it did come with a drivers disk for Windoze, but I didn't use it in the CD drive, as I needed a coaster at that point...

But really: At least in the Linux box, it was detected, and just worked. It worked with a TNC, and with several other devices, at a number of different settings, including data rate and flow control. And behaved appropriately.

I'd fully expect it to work with Windoze at least as well, since I'm sure that was really the target OS.

gerry n5jxs

Tim Billingsley wrote:
> Curious if any of you have tried the USB to Serial adapters?
> Do they work well in TNC applications or is it another gimmick that comes
> close to the real thing, but fall short when it gets down to the
> nitty-gritty?

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433. [aprssig] Re: COM Query

From: David VanHorn <dvanhorn@cedar.net>
Date: Sat, 13 Jul 2002 13:05:48 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-89209-2002.07.13-13.43.54--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

At 11:07 AM 7/13/2002 +0000, Jason Rausch wrote:
>Since I have a laptop with ONLY 2 USB's and no serial,

Wouldn't be a Libretto L-1 would it?

>I was forced to go
>the USB >> Serial adapter way. So far the only adapter that I haave used
>that worls well is the one sold by http://www.pfranc.com (same guy with
>Garmin connectors). It works with MOST things, TNCs and GPS's just fine,
>but I find some un-self-powered devices have problems.

I'm using mostly the belkin PDA adaptors.

The biggest problem I have hit with them, is that if you use them on multiple systems, you never know what port number they will pop up as. It can take quite a while to sort out which port is which.

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434. [aprssig] Re: COM Query

From: David VanHorn <dvanhorn@cedar.net>
Date: Sat, 13 Jul 2002 13:11:57 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-89213-2002.07.13-13.50.14--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

>
>The biggest problem I have hit with them, is that if you use them on
>multiple systems, you never know what port number they will pop up as. It
>can take quite a while to sort out which port is which.

I should have mentioned, this is not peculiar to the belkin devices.
All the usb serial ports I have, show this problem, on all my systems.

I do wish there was a switch on the adaptor to set the port number.

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---

435. [aprssig] APRS with TS-2000

From: "kc7rso" <kc7rso@attbi.com>
Date: Sat, 13 Jul 2002 11:12:14 -0700
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-89215-2002.07.13-13.50.48--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Hello everyone I just upgraded my base radio to a ts-2000 and plan on using the built in tnc to run aprs. Does anyone on the sig have the recommended settings for the tnc to run in winaprs?? Or should I use the default settings for "Kenwood DC" under settings?

Thanks in advance for all the replies.

Aaron
KC7RSO

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436. [aprssig] Question on paths

From: k9soa@att.net
Date: Sat, 13 Jul 2002 18:27:49 +0000
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-89219-2002.07.13-14.06.04--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

If I have K9SOA,RELAY,WIDE,WIDE3-3 in my TTII tracker and a digi only supports wide or widen-n will it skip over the K9SOA and RELAY or must they be used in sequence?

I was told when I first started getting into APRS that paths were taken in sequence and would bypass my packet if not first handled by my own digi.

--
Don

www.k9soa.net (EM77EX)

Home of "JEANNIE"

The House That Listens

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---

437. [aprssig] Re: COM Query

From: "Jason Rausch" <ke4nyv@msn.com>
Date: Sat, 13 Jul 2002 13:36:27
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-89221-2002.07.13-14.14.43--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Well, I ran into this problem: The BIOS on this notebook supports a HARD Com Port, but this is only functioning when a docking station, which has the com port is attached to the notebook. So when the system boots, it thinks there is a Com 1, but it's really not there. So when I first loaded the driver for my USB/Serial it would come up at Com 2. I wanted Com 1, so I went into the BIOS and disabled the "on-board Com". So now when the system boots up and sees the USB/Serial adapter, it assigns it the first Com IRQ in the list, forcing it to Com 1 (on USB).

73's
Jason KE4NYV
www.ke4nyv.com

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438. [aprssig] Re: COM Query

From: "Tim Billingsley" <kd5ckp@centurytel.net>
Date: Sat, 13 Jul 2002 13:38:19 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-89222-2002.07.13-14.16.07--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

----- Original Message -----
From: "David VanHorn" <dvanhorn@cedar.net>

> >The biggest problem I have hit with them, is that if you use them on
> >multiple systems, you never know what port number they will pop up as. It
> >can take quite a while to sort out which port is which.

You guys are referring to removing the adapter and then putting it on another or even back to the same machine ... correct?

I doubt that this will be a problem as I seldom change the configuration and I have only one box that has USB, but thanks for the heads-up - as sure as I say that I will be instructed that "the 'shack' needs to be in this room" or "don't you think you need to paint in here"

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---

439. [aprssig] Re: COM Query

From: "Mike Yetsko" <myetsko@insydesw.com>
Date: Sat, 13 Jul 2002 14:36:33 -0400
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-89225-2002.07.13-14.19.15--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

> I do wish there was a switch on the adaptor to set the port number.
>

But the adapter has no way to control this. It's in the BIOS and the USB support.

But I know where you're coming from.

If you can, go into your BIOS and TURN OFF all serial port support

and the USB serial ports SHOULD appear starting as COM1. But
I realize this isn't an option if you need to use on-board serial ports.

The REAL solution is to get software that works with agile com ports
that can appear anywhere. I've seen way too much software that is
really trashy. Oh, the software is great, but the authors just seem to
have no concept of how to talk to serial ports.

Even back in the DOS days, it always seemed that if you could bang
out data and listen on COM1 or 2, that's all they cared about. The
attitude was 'it's your problem' when things didn't work.

Heck, I know of a NUMBER of supposed 'expert' software gurus who
didn't have a clue on how to handle the interrupts off the secondary
interrupt controller.   (Yes, they DO need to be handled slightly
different
than regular interrupts if you expect them to work reliably when
interrupts 'stack up'.) One guy who wrote one of the popular terminal
programs didn't even realize you have to treat IRQ7 (which is IRQ15
on the slave) slightly differently than the rest! What a dip!

Mike

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440. [aprssig] Re: REgistering PMAP.OCX in WinAPRS

From: "Richard Brannen" <ka3jca@arrl.net>
Date: Sat, 13 Jul 2002 13:41:43
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-89226-2002.07.13-14.20.29--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

I have read and looked through the other threads on this topic. I have
been running windows 98 (4.10.1998) with WINAPRS 2.51 and Precision
Mapping
3.5.. The computer has been working great.

Then one day out of the clear blue sky I get the same message

```
LoadLibary("mapocx.ocx")failed
GetLastError returns 0x00000002
```

I have checked the file size and verion, also have checked the registry
with no luck.

Any suggestions would be greatly appreciated.

73, Richard Brannen KA3JCA

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441. [aprssig] Re: COM Query

From: David VanHorn <dvanhorn@cedar.net>
Date: Sat, 13 Jul 2002 13:47:12 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-89227-2002.07.13-14.27.23--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

>
\>If you can, go into your BIOS and TURN OFF all serial port support
\>and the USB serial ports SHOULD appear starting as COM1. But
>I realize this isn't an option if you need to use on-board serial ports.

I see what you mean, but it's worse than that.
If I take adaptor A, and use it on system 1, it assigns itself to the next
available port. Then I take that one out, and put adaptor B on the system,
and it may go to the next port, or use the same assignment as A did.. It
gets worse with more adaptors and systems.

\>Even back in the DOS days, it always seemed that if you could bang

>out data and listen on COM1 or 2, that's all they cared about. The
>attitude was 'it's your problem' when things didn't work.

Well, it IS your problem.. :-|

>Heck, I know of a NUMBER of supposed 'expert' software gurus who
>didn't have a clue on how to handle the interrupts off the secondary
>interrupt controller.   (Yes, they DO need to be handled slightly different
>than regular interrupts if you expect them to work reliably when
>interrupts 'stack up'.) One guy who wrote one of the popular terminal
>programs didn't even realize you have to treat IRQ7 (which is IRQ15
>on the slave) slightly differently than the rest! What a dip!

I know. It is a particularly ugly implementation, but it's been documented since forever. The scary part is that the HD irq is up in that range too.

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442. [aprssig] Re: Question on paths

From: Phil Reed <preed@dnaco.net>
Date: Sat, 13 Jul 2002 15:10:02 -0400
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-89228-2002.07.13-14.48.25--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

At 06:27 PM 7/13/2002 +0000, k9soa@att.net wrote:
>If I have K9SOA,RELAY,WIDE,WIDE3-3 in my TTII tracker
>and a digi only supports wide or widen-n will it skip
>over the K9SOA and RELAY or must they be used in
>sequence?

No. The TNC will look for the first unused call, use it and mark it used (essentially). Since there's nobody around to use K9SOA, it would never get marked unused.

Trackers should only use generic calls. Drop the K9SOA and you should be fine.

...phil / w8sca

"For a list of all the ways technology has failed
to improve the quality of life, press 3."

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443. [aprssig] Re: Question on paths

From: David VanHorn <dvanhorn@cedar.net>
Date: Sat, 13 Jul 2002 14:24:10 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-89229-2002.07.13-15.02.12--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

At 03:10 PM 7/13/2002 -0400, Phil Reed wrote:
>At 06:27 PM 7/13/2002 +0000, k9soa@att.net wrote:
>>If I have K9SOA,RELAY,WIDE,WIDE3-3 in my TTII tracker
>>and a digi only supports wide or widen-n will it skip
>>over the K9SOA and RELAY or must they be used in
>>sequence?
>
>No. The TNC will look for the first unused call, use it and mark it used
>(essentially). Since there's nobody around to use K9SOA, it would never
>get marked unused.

I think you meant the right thing, but that description is really confusing.

If the first element in a path is invalid, then nobody (except for a pre-emptive digi (rare)) will digi you.

If the Nth element is invalid, then you'll be digi'd up to that point, then nothing. ie:

relay,wide,Donkey You'll get digi'd on the relay, by any relay, or RWT digi in range, then by any wides that hear them, but nothing after that.

If you used, relay,donkey,wide, then you'll get digi'd by all relays and RWT digis once, but the last wide will never get used because of the invalid middle element. (again, except for preemptive digis)

Try it yourself, and see the results.

>Trackers should only use generic calls. Drop the K9SOA and you should be fine.
>
>
>
>
>---
>
>   ...phil / w8sca
>
>"For a list of all the ways technology has failed
>   to improve the quality of life, press 3."
>
>
>---
>You are currently subscribed to aprssig as: dvanhorn@cedar.net
>To unsubscribe send a blank email to leave-aprssig-842K@lists.tapr.org
>Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org
>

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To unsubscribe send a blank email to leave-aprssig-842K@lists.tapr.org
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---

444. [aprssig] Earthmate

From: <jfox6@houston.rr.com>
Date: Sat, 13 Jul 2002 15:01:18 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-89231-2002.07.13-15.39.00--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Gang,
I need information if you please. I have a DeLorme Tripmate. I also have a vehicle power adapter cable assy. which is for the Earthmate. Will the cable work on the Tripmate?

Foxy
jfox6@houston.rr.com
http://www.qsl.net/w5hir

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---

445. [aprssig] RE: Earthmate

From: "Jimmy Burkhalter" <kb5wio@tcac.net>
Date: Sat, 13 Jul 2002 15:21:15 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-89232-2002.07.13-15.59.34--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

In a word YES it will.

-----Original Message-----
From: bounce-aprssig-29244@lists.tapr.org
[mailto:bounce-aprssig-29244@lists.tapr.org]On Behalf Of
jfox6@houston.rr.com
Sent: Saturday, July 13, 2002 3:01 PM

To: TAPR APRS Special Interest Group
Subject: [aprssig] Earthmate

Gang,
I need information if you please. I have a DeLorme Tripmate. I also have a
vehicle power adapter cable assy. which is for the Earthmate. Will the
cable work on the Tripmate?

Foxy
jfox6@houston.rr.com
http://www.qsl.net/w5hir

You are currently subscribed to aprssig as: kb5wio@tcac.net
To unsubscribe send a blank email to leave-aprssig-842K@lists.tapr.org
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---

446. [aprssig] Re: Earthmate

From: "Mike Yetsko" <myetsko@insydesw.com>
Date: Sat, 13 Jul 2002 17:15:51 -0400
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-89243-2002.07.13-16.57.13--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

> I need information if you please. I have a DeLorme Tripmate. I also
have a
> vehicle power adapter cable assy. which is for the Earthmate. Will the
> cable work on the Tripmate?
>
> Foxy

I'd go to the DeLorme web site and see if the same adapter is listed
for both.

If not, then at least get the specs for the EarthMate from DeLorme.
I know the TripMate works well at 6v feed. In fact, a lot of people
power it at 5v off laptops at the mini-din for keyboards or mouse.
But while the higher the voltage the better the TripMate seems to
perform, there's a 'toast limit' somewhere just above 8v.

Mike

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---

447. [aprssig] Radar and WinAPRS

From: <kf4otn@cox.net>
Date: Sat, 13 Jul 2002 21:35:50 -0000 (GMT)
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-89244-2002.07.13-17.14.32--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Is it possible to display weather radar on the WinAPRS screen?

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---

448. [aprssig] WAPRS 2.61 and Igating

From: David VanHorn <dvanhorn@cedar.net>
Date: Sat, 13 Jul 2002 16:40:11 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-89245-2002.07.13-17.18.13--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Given that 2.61 does not seem to pass traffic into the system, what are the
other options these days for running an Igate under windows?

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---

449. [aprssig] Re: WAPRS 2.61 and Igating

From: "Spider" <spider@rivcom.net>
Date: Sat, 13 Jul 2002 14:50:16 -0700
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-89246-2002.07.13-17.28.48--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

----- Original Message -----
From: "David VanHorn" <dvanhorn@cedar.net>
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Sent: Saturday, July 13, 2002 2:40 PM
Subject: [aprssig] WAPRS 2.61 and Igating

>
> Given that 2.61 does not seem to pass traffic into the system, what are
the
> other options these days for running an Igate under windows?

Well, your statement is wrong....there are bunches of V2.6.1 Igates on line.
I know my version of v.2.6.1 is working fine...as far as the igate portion
goes.
HOWEVER - UI-VIEW32 is an AWESOME IGATE program...without a doubt!!!
You can get it at www.ui-view.com

Jim, WA6OFT
www.wa6oft.com

>
>
> ---
> You are currently subscribed to aprssig as: spider@rivcom.net
> To unsubscribe send a blank email to leave-aprssig-842K@lists.tapr.org
> Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org
>
>
>

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---

450. [aprssig] WAPRS 2.61

From: Mark Fellhauer <sparkfel@qwest.net>
Date: Sat, 13 Jul 2002 16:59:28 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-89247-2002.07.13-17.38.25--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Forgive me if this has been covered before, but when I try to run WinAPRS
2.61 with PM 3.0 it refuses to work.

I get the error: "Precision Mapping has not been registered on this
machine. Please register it first, then it will work with WinAPRS."

73,

Mark
KC7BXS

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451. [aprssig] RE: WAPRS 2.61

From: Bill Diaz <william.diaz@attbi.com>
Date: Sat, 13 Jul 2002 17:14:06 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-89251-2002.07.13-17.52.40--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Mark,

On Saturday, July 13, 2002 16:59, Mark Fellhauer [SMTP:sparkfel@qwest.net] wrote:
>
>
> Forgive me if this has been covered before, but when I try to run WinAPRS
> 2.61 with PM 3.0 it refuses to work.

WinAprs 2.6.1 uses the PM 5.0 OCX and mapping data.

> I get the error: "Precision Mapping has not been registered on this
> machine. Please register it first, then it will work with WinAPRS."

Obtain version 5.0 of the OCX and mapping data.

Bill KC9XG

> 73,
>
> Mark
> KC7BXS
>
>
>
> ---
> You are currently subscribed to aprssig as: kc9xg@attbi.com
> To unsubscribe send a blank email to leave-aprssig-842K@lists.tapr.org
> Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org
>
>

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452. [aprssig] RE: WAPRS 2.61 and Igating

From: "Mark A. Foley" <na4v@cox.net>
Date: Sat, 13 Jul 2002 18:22:19 -0400
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-89252-2002.07.13-18.00.38--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

I've tried them all...and by far, as Igate operations goes, UI-View is
the best!...best control over what is gated to RF (important
consideration)
Mark, NA4V

-----Original Message-----
From: bounce-aprssig-27405@lists.tapr.org
[mailto:bounce-aprssig-27405@lists.tapr.org] On Behalf Of David VanHorn
Sent: Saturday, July 13, 2002 5:40 PM
To: TAPR APRS Special Interest Group
Subject: [aprssig] WAPRS 2.61 and Igating

Given that 2.61 does not seem to pass traffic into the system, what are
the
other options these days for running an Igate under windows?

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Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org
```

453. [aprssig] RE: WAPRS 2.61

From: Mark Fellhauer <sparkfel@qwest.net>
Date: Sat, 13 Jul 2002 17:41:30 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-89253-2002.07.13-18.19.59--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

```
At 05:14 PM 7/13/02, Bill Diaz wrote:

> > I get the error: "Precision Mapping has not been registered on this
> > machine.  Please register it first, then it will work with WinAPRS."
>
>Obtain version 5.0 of the OCX and mapping data.


So what you're saying is:  Spend another 50+ dollars...

Is the "upgrade" to PM 5.0 worth it?   Will it show South Pillsberry Drive
in Sioux Falls, SD?   Will it show Lake Shore Drive in Fallbrook, CA?   Did
they fix the streets that are almost a mile off in Sioux City, Iowa?

Where is the least expensive place to purchase PM 5.0?

I have a copy of APRSPoint on the way.   It'll be intersting to see how it
compares to WinAPRS.

Mark




---
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```

454. [aprssig] Re: WAPRS 2.61 and Igating

From: David VanHorn <dvanhorn@cedar.net>
Date: Sat, 13 Jul 2002 17:55:21 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-89254-2002.07.13-18.33.27--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

```
At 02:50 PM 7/13/2002 -0700, Spider wrote:

>----- Original Message -----
>From: "David VanHorn" <dvanhorn@cedar.net>
>To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
>Sent: Saturday, July 13, 2002 2:40 PM
>Subject: [aprssig] WAPRS 2.61 and Igating
>
>
> >
> > Given that 2.61 does not seem to pass traffic into the system, what are
>the
> > other options these days for running an Igate under windows?
>
>
>Well, your statement is wrong....there are bunches of V2.6.1 Igates on line.

Interesting.
Mine refuses to pass traffic other than it's own packets, into the system.
IOW, no RF traffic.

Haven't checked outbound yet.

Look at KC6ETE-9 on Findu. It's beaconing every 10 minutes, located about
20' from my putative Igate.  When I fire up -7, it dosen't show up either.
The only traffic from around here making it in, is having to travel almost
all the way across the state to get in, and not making it much of the time.
```

>I know my version of v.2.6.1 is working fine...as far as the igate portion
>goes.
>HOWEVER - UI-VIEW32 is an AWESOME IGATE program...without a doubt!!!
>You can get it at www.ui-view.com

Actually, I've got it, but I probably need to update, and get familiar with it again.

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---

455. [aprssig] RE: WAPRS 2.61

From: WA8LMF2@aol.com
Date: Sat, 13 Jul 2002 19:40:03 EDT
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-89258-2002.07.13-19.18.22--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

In a message dated 7/13/02 3:43:47 PM Pacific Daylight Time, sparkfel@qwest.net writes:

> Will it show South Pillsberry Drive
> in Sioux Falls, SD?   Will it show Lake Shore Drive in Fallbrook, CA?
Did
> they fix the streets that are almost a mile off in Sioux City, Iowa?
>
 > I have a copy of APRSPoint on the way.   It'll be intersting to see how
it
> compares to WinAPRS.
>
> Mark

APRSpoint uses Microsoft MapPoint as it's map database AND display enginer (in a manner similar to APRSplus/Delorme Street Atlas.

BTW, you get three returns on your investment in MapPoint as part of the APRSpoint package. You actually get a full, none-crippled non-CD-keyed version of MapPoint that can be run stand alone as a GPS-moving-map routing application like Street Atlas. It can also be used with the 32-bit version of UI-View to give this normally bit-map map image-based app a fully zoomable, vector-based display

>From what I have seen, MapPoint doesn't seem to use the raw Tiger File database that most of the other US atlas type apps use. Either they have significantly edited/update the Tiger data or their raw source is something else.

 I have noticed significant differences in the position (and even presence or lack of) of numerous roads in MapPoint compared to other mapping systems, I have attached a screen cap of the MapPoint display clearly showing Pillsberry Drive (It really wasn't Pillsbury as I initially assumed it would be!),   to the off-list direct version of this message.

BTW, Pillsberry also shows on Delorme Street Atlas 9.0

```
Stephen H. Smith                  wa8lmf @ aol.com
Home Page:
http://members.aol.com/wa8lmf
Ham Radio/Mobile SSTV page:     http://members.aol.com/wa8lmf/ham
APRS Stuff
http://members.aol.com/wa8lmf/aprs
-----------------------------------------------------------------------------

----------
|    Radio Communications Systems       Personal Computers
|                Consulting and Systems Integration
|    GPS Custom Mapping    &     Radio Coverage Surveys
|    File Conversions       MS-Windows Setups       VISCII Fonts
-----------------------------------------------------------------------------

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Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

456. [aprssig] RE: WAPRS 2.61

From: Bill Diaz <william.diaz@attbi.com>
Date: Sat, 13 Jul 2002 19:15:13 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-89263-2002.07.13-19.53.55--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

```
Mark,

On Saturday, July 13, 2002 17:42, Mark Fellhauer [SMTP:sparkfel@qwest.net]
wrote:
> At 05:14 PM 7/13/02, Bill Diaz wrote:
>
> > > I get the error: "Precision Mapping has not been registered on this
> > > machine.  Please register it first, then it will work with WinAPRS."
> >
> >Obtain version 5.0 of the OCX and mapping data.
>
>
> So what you're saying is:  Spend another 50+ dollars...

> Is the "upgrade" to PM 5.0 worth it?   Will it show South Pillsberry
Drive
> in Sioux Falls, SD?

It didn't find South Pillsberry Drive, but it did find South Pilsbury Ave
(4100 - 4399 block) in Sioux Falls SD.  It is a short, dead end street that
intersects with East Mission St. Is that the street you were looking for?

> Will it show Lake Shore Drive in Fallbrook, CA?

Dunno about Lake SHORE Drive in Fallbrook, CA but it shows LakeSide Drive
in FallBrook.

> Did they fix the streets that are almost a mile off in Sioux City, Iowa?

No way to tell, but the Census Bureau does request that local
municipalities verify the street mapping data before it is incorporated
into the Official maps.  If Sioux City found any mapping errors in the 2000
Census maps and notified the Census Bureau, the errors should have been
fixed.  Of course, we are dealing with bureaucracies here.

> Where is the least expensive place to purchase PM 5.0?

http://www.undertowsoftware.com

Bill KC9XG
> I have a copy of APRSPoint on the way.   It'll be intersting to see how
it
> compares to WinAPRS.
>
> Mark
>
>
>
>

---
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Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org
```

457. [aprssig] RE: WAPRS 2.61

From: Mark Fellhauer <sparkfel@qwest.net>
Date: Sat, 13 Jul 2002 20:02:38 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-89264-2002.07.13-20.41.09--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

```
At 07:15 PM 7/13/02, Bill Diaz wrote:


>It didn't find South Pillsberry Drive, but it did find South Pilsbury Ave
>(4100 - 4399 block) in Sioux Falls SD.  It is a short, dead end street that
>intersects with East Mission St. Is that the street you were looking for?

That would be the correct street with an improper spelling.  I guess it is
```

an Avenue. It's a relatively new area of construction. Any farther east
and you'd be in Iowa...or Minnesota.

> > Will it show Lake Shore Drive in Fallbrook, CA?
>
>Dunno about Lake SHORE Drive in Fallbrook, CA but it shows LakeSide Drive
>in FallBrook.

Most maps (if they have it) incorrectly list all the Lake Shore (two words)
surface streets in Escondido - and the wrong zipcode of 92026. I was
there last month. Got to watch the fire drops out of Ramona Airport up
close and personal as there was a fairly large brush fire just a few
hundred yards from my brother's house. They had a Rockwell OV-10 spotting
and two larger planes swooping in low to drop retardant. Sorry I didn't
have my scanner or HT with me. I guess after that last Fallbrook fire
they aren't taking any chances...

Of course, I flew in to San Diego through Denver and over Arizona so I got
some pretty good views of those fires, too.

> > Did they fix the streets that are almost a mile off in Sioux City, Iowa?
>
>No way to tell, but the Census Bureau does request that local
>municipalities verify the street mapping data before it is incorporated
>into the Official maps. If Sioux City found any mapping errors in the 2000
>Census maps and notified the Census Bureau, the errors should have been
>fixed. Of course, we are dealing with bureaucracies here.

Which means they didn't get fixed... ;)

Thanks for the time in looking that info up.

73,

Mark
KC7BXS

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Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

458. [aprssig] RE: WAPRS 2.61

From: Mark Fellhauer <sparkfel@qwest.net>
Date: Sat, 13 Jul 2002 20:25:11 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-89273-2002.07.13-21.03.45--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

At 06:40 PM 7/13/02, WA8LMF2@aol.com wrote:

>BTW, you get three returns on your investment in MapPoint as part of the
>APRSpoint package. You actually get a full, none-crippled non-CD-keyed
>version of MapPoint that can be run stand alone as a GPS-moving-map routing
>application like Street Atlas. It can also be used with the 32-bit version
>of UI-View to give this normally bit-map map image-based app a fully
>zoomable, vector-based display

I believe for me it will give 4 returns. I understand that you also get
Pocket Streets with MapPoint 2002, and I have a Pocket PC.

> I have noticed significant differences in the position (and even
> presence or
>lack of) of numerous roads in MapPoint compared to other mapping systems, I
>have attached a screen cap of the MapPoint display clearly showing Pillsberry
>Drive (It really wasn't Pillsbury as I initially assumed it would be!), to
>the off-list direct version of this message.

Thanks for the screen cap. It really gives me a feel for the software. I
like the location sensor giving Lat and Lon.

73,

Mark
KC7BXS

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To unsubscribe send a blank email to leave-aprssig-842K@lists.tapr.org
Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

---

459. [aprssig] Re: APRS with TS-2000

From: "W5JSR" <w5jsr@arrl.net>
Date: Sat, 13 Jul 2002 21:37:08 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-89283-2002.07.13-22.15.29--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Yes you use Kenwood DC. The TS-2000 is very easy to use this way. You know
that you also have to set Menu 55 to ON and 56 to 9600bps.

Enjoy!

73 de Scott, W5JSR

----- Original Message -----
From: "kc7rso" <kc7rso@attbi.com>
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Sent: Saturday, July 13, 2002 1:12 PM
Subject: [aprssig] APRS with TS-2000

> Hello everyone I just upgraded my base radio to a ts-2000 and plan on
using
> the built in tnc to run aprs. Does anyone on the sig have the recommended
> settings for the tnc to run in winaprs?? Or should I use the default
> settings for "Kenwood DC" under settings?
>
> Thanks in advance for all the replies.
>
> Aaron
> KC7RSO
>
>
>
> ---
> You are currently subscribed to aprssig as: w5jsr@arrl.net
> To unsubscribe send a blank email to leave-aprssig-842K@lists.tapr.org
> Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org
>

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To unsubscribe send a blank email to leave-aprssig-842K@lists.tapr.org
Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

---

460. [aprssig] Re: Radar and WinAPRS

From: Robbie <mwrobertson@attbi.com>
Date: Sat, 13 Jul 2002 22:01:12 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: TAPR APRS Special Interest Group <aprssig@lists.tapr.org>
Message-ID: <LYR842-89289-2002.07.13-22.38.32--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Hi kf4otn,

Yes you can, in a fashion.. John, kb2scs, made available a
program, USWXRADAR, that goes and gets a radar picture of
any area you choose, places it the WinAPRS/images folder.
You then go to the Windows/Images and select that image,
which gives you a radar image of that area, as well as the
aprs stations in that area. This image is updated every so
often automatically, but you must update the image by
selecting /Windows/Images again.. That is the only draw
back, WinAPRS will not automatically reload the image for
us!

```
Mark?

73,

Robbie,  wa9inf

kf4otn@cox.net wrote:
>
> Is it possible to display weather radar on the WinAPRS screen?
>
> ---
> You are currently subscribed to aprssig as: mwrobertson@attbi.com
> To unsubscribe send a blank email to leave-aprssig-842K@lists.tapr.org
> Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

---
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Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org
```

461. [aprssig] APRS and Internet

From: "William Lawless" <wlawless@w5wrl.org>
Date: Sat, 13 Jul 2002 22:06:19 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-89290-2002.07.13-22.44.26--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

```
Folks

Is there a way to send a message to an APRS station via the internet?

Cheers,

Bill


---
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```

462. [aprssig] Radio Shack 433MHz Wireless Weather Station

From: "Zachary Grant Michael, KB9UQQ" <zachary.michael@earthlink.net>
Date: Sat, 13 Jul 2002 22:19:28 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-89291-2002.07.13-22.58.22--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

```
All,
Just recently picked up a Radio Shack 433MHz Wireless Weather Station for
our local EOC. I can't find a model number on it, so I was wondering if it
was compatible with WinAPRS. I know the WX-200 is compatible, but that is a
different weather station. Has anybody sucessfully used one of these weather
stations with WinAPRS?
73 de kb9uqq
--
Zachary Grant Michael, KB9UQQ
http://www.qsl.net/kb9uqq/


---
You are currently subscribed to aprssig as: lyris.aprssig@tapr.org
To unsubscribe send a blank email to leave-aprssig-842K@lists.tapr.org
Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org
```

463. [aprssig] Re: APRS and Internet

From: Robbie <mwrobertson@attbi.com>
Date: Sat, 13 Jul 2002 22:35:19 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: TAPR APRS Special Interest Group <aprssig@lists.tapr.org>
Message-ID: <LYR842-89292-2002.07.13-23.12.40--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

```
Hi Bill,

Yes.. You can use any of aprs programs to send a message via
the internet, but that program will not permit it to be
gated to the aprs station via RF if it has not been
registered to verify you as an amateur radio operator.
```

You would not have to be connected to the internet to send a
message via RF/APRS IS/RF if you are using a registered aprs
program and on RF. This would be accomplished automatically
as long as your station's path hits an I-Gate..

Good luck, es 73

Robbie, wa9inf

William Lawless wrote:
>
> Folks
>
> Is there a way to send a message to an APRS station via the internet?
>
> Cheers,
>
> Bill
>
> ---
> You are currently subscribed to aprssig as: mwrobertson@attbi.com
> To unsubscribe send a blank email to leave-aprssig-842K@lists.tapr.org
> Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

---
You are currently subscribed to aprssig as: lyris.aprssig@tapr.org
To unsubscribe send a blank email to leave-aprssig-842K@lists.tapr.org
Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

464. [aprssig] Question on Pocket PC & Net Send

From: Mark Fellhauer <sparkfel@qwest.net>
Date: Sat, 13 Jul 2002 23:26:01 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-89304-2002.07.14-00.04.45--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

This question relates to APRS development...

I'm looking for a Pocket PC 2002 application that will make it compatible
with the NET SEND function of Windows 2000/XP.   People using 95/98/ME can
use an App like TrayPopUp.   Is there an application like TrayPopUp for
WinCE or Pocket PC?   I can't seem to find one...

73,

Mark
KC7BXS

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To unsubscribe send a blank email to leave-aprssig-842K@lists.tapr.org
Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

465. [aprssig] Re: REF: USB > Serial

From: Mark Phillips <g7ltt@g7ltt.com>
Date: Sun, 14 Jul 2002 06:50:33 -0400
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-89327-2002.07.14-06.28.54--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Bandwidth.

If you are running your camera whilst all the others are connected then
things are gonna slow down or stop. I run a USB mouse and a Quickcam Express
on one of my USB chains and once thats going I cannot run anything else. I
can run the mouse, 2 serial adaptors, a memory stick reader and a usb<>scsi
interface without the camera running.

Mark Phillips, G7LTT/KC2ENI
Randolph, NJ 07869
http://www.g7ltt.com

> It works quite well/just fine, EXCEPT:
> I now purchased a Belkin HUB, and it will
> NOT function properly with a camera and printer
> plugged into it.

> The signal will NOT go through the HUB properly, and
> get to the computer....anyone have any idea WHY NOT ?

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To unsubscribe send a blank email to leave-aprssig-842K@lists.tapr.org
Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

466. [aprssig] Proud new owner of TH-D7AG want to know more

From: Robert W Burton <kd4ydc@juno.com>
Date: Sun, 14 Jul 2002 07:47:07 -0400
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-89330-2002.07.14-07.27.07--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Yes,
It was just tooo tempting to see a like new condition TH-D7AG sitting
there for $225.00. I just could not control myself either when I got my
hands on it....now the fun begins.

It did not come with the manual (on the enhanced feature version). I am
going to the web site and get the main one this morning. Is there a web
site that has settings and other things that can be done with this
thing??? Curious also, I have seen the keyboard attachment that can be
used with the D700. Is there something like this that you could use a
small keyboard for the TH-D7AG?

Thanks,
Robert

____
GET INTERNET ACCESS FROM JUNO!
Juno offers FREE or PREMIUM Internet access for less!
Join Juno today! For your FREE software, visit:
http://dl.www.juno.com/get/web/.

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To unsubscribe send a blank email to leave-aprssig-842K@lists.tapr.org
Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

467. [aprssig] winaprs and mic enc

From: Stanley Clark <wb0jrg@attbi.com>
Date: Sun, 14 Jul 2002 06:04:48 -0600
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-89331-2002.07.14-07.43.53--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

I am using WINaprs 2.61 and a Kenwood THD7 in my mobile . I have
noticed all the stations using "MIC ENC" in their format are shown on my
map 20 degrees east longitude from where they should be. Has anyone had
this problesm between mic enc and winaprs. I do not have the problem
with APRS+SA. I would like my truck to show in Colorado and not in
Kentucky.

You are currently subscribed to aprssig as: lyris.aprssig@tapr.org
To unsubscribe send a blank email to leave-aprssig-842K@lists.tapr.org
Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

468. [aprssig] RE: Proud new owner of TH-D7AG want to know more

From: "W1SAR" <w1sar@searcher.org>
Date: Sun, 14 Jul 2002 06:06:05 -0700
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-89334-2002.07.14-08.44.23--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Robert,

Good choice! I would have done the same! Hi Hi.

You saw that the Manuals and flyer etc are all available for free download
from the Kenwood site - If you can't get them there, I also have them on the
Shasta County ARES site at http://www.scares.org/guides01.htm .

There is also a specific user group at http://groups.yahoo.com/group/TH-D7/
where there are many experts who would be pleased to help you!

Drew Witham W1SAR
Shasta County Emergency Coordinator
ARES / RACES / CDF-VIP

http://www.scares.org

> -----Original Message-----
> From: bounce-aprssig-15695@lists.tapr.org
> [mailto:bounce-aprssig-15695@lists.tapr.org]On Behalf Of Robert W Burton
> Sent: Sunday, July 14, 2002 4:47 AM
> To: TAPR APRS Special Interest Group
> Subject: [aprssig] Proud new owner of TH-D7AG want to know more
>
>
> Yes,
> It was just tooo tempting to see a like new condition TH-D7AG sitting
> there for $225.00. I just could not control myself either when I got my
> hands on it....now the fun begins.
>
> It did not come with the manual (on the enhanced feature version). I am
> going to the web site and get the main one this morning. Is there a web
> site that has settings and other things that can be done with this
> thing??? Curious also, I have seen the keyboard attachment that can be
> used with the D700. Is there something like this that you could use a
> small keyboard for the TH-D7AG?
>
> Thanks,
> Robert
>
>
> ____
> GET INTERNET ACCESS FROM JUNO!
> Juno offers FREE or PREMIUM Internet access for less!
> Join Juno today! For your FREE software, visit:
> http://dl.www.juno.com/get/web/.
>
> ---
> You are currently subscribed to aprssig as: w1sar@searcher.org
> To unsubscribe send a blank email to leave-aprssig-842K@lists.tapr.org
> Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org
>

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To unsubscribe send a blank email to leave-aprssig-842K@lists.tapr.org
Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

---

469. [aprssig] Re: APRS with TS-2000

From: "Rich Garcia" <k4gps@bellsouth.net>
Date: Sun, 14 Jul 2002 09:56:29 -0400
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-89335-2002.07.14-09.34.00--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

I thought the TS-2000 was a RX only TNC ??

Rich K4GPS

-----Original Message-----
From: bounce-aprssig-19959@lists.tapr.org
[mailto:bounce-aprssig-19959@lists.tapr.org]On Behalf Of W5JSR
Sent: Saturday, July 13, 2002 10:37 PM
To: TAPR APRS Special Interest Group
Subject: [aprssig] Re: APRS with TS-2000

Yes you use Kenwood DC. The TS-2000 is very easy to use this way. You know
that you also have to set Menu 55 to ON and 56 to 9600bps.

Enjoy!

73 de Scott, W5JSR

----- Original Message -----
From: "kc7rso" <kc7rso@attbi.com>
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Sent: Saturday, July 13, 2002 1:12 PM
Subject: [aprssig] APRS with TS-2000

> Hello everyone I just upgraded my base radio to a ts-2000 and plan on
using
> the built in tnc to run aprs. Does anyone on the sig have the recommended
> settings for the tnc to run in winaprs?? Or should I use the default
> settings for "Kenwood DC" under settings?
>
> Thanks in advance for all the replies.
>
> Aaron
> KC7RSO
>
>
>
> ---
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> Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org
>

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Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

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To unsubscribe send a blank email to leave-aprssig-842K@lists.tapr.org
Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

470. [aprssig] Re: APRS with TS-2000

From: "WalterH" <walterh@k5wh.net>
Date: Sun, 14 Jul 2002 09:04:34 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-89336-2002.07.14-09.43.21--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

I had been to the same thing as well.

And I was very pleasantly surprised to discover after receiving my TS-2000x
that was a very functional TNC for 1200 and 9600.

Unfortunately, it does not have 300 baud support. And while the DX cluster
support is terrific, the fact that it doesn't support APRS natively like the
D7 and D700's do, that was very disappointing.

Walter/K5WH

-----Original Message-----
From: bounce-aprssig-20820@lists.tapr.org
[mailto:bounce-aprssig-20820@lists.tapr.org] On Behalf Of Rich Garcia
Sent: Sunday, July 14, 2002 8:56 AM
To: TAPR APRS Special Interest Group
Subject: [aprssig] Re: APRS with TS-2000

I thought the TS-2000 was a RX only TNC ??

Rich K4GPS

-----Original Message-----
From: bounce-aprssig-19959@lists.tapr.org
[mailto:bounce-aprssig-19959@lists.tapr.org]On Behalf Of W5JSR
Sent: Saturday, July 13, 2002 10:37 PM

To: TAPR APRS Special Interest Group
Subject: [aprssig] Re: APRS with TS-2000

Yes you use Kenwood DC. The TS-2000 is very easy to use this way. You know that you also have to set Menu 55 to ON and 56 to 9600bps.

Enjoy!

73 de Scott, W5JSR

----- Original Message -----
From: "kc7rso" <kc7rso@attbi.com>
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Sent: Saturday, July 13, 2002 1:12 PM
Subject: [aprssig] APRS with TS-2000

> Hello everyone I just upgraded my base radio to a ts-2000 and plan on
using
> the built in tnc to run aprs. Does anyone on the sig have the recommended
> settings for the tnc to run in winaprs?? Or should I use the default
> settings for "Kenwood DC" under settings?
>
> Thanks in advance for all the replies.
>
> Aaron
> KC7RSO
>
>
>
> ---
> You are currently subscribed to aprssig as: w5jsr@arrl.net
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> Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org
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---
You are currently subscribed to aprssig as: walterh@k5wh.net
To unsubscribe send a blank email to leave-aprssig-842K@lists.tapr.org
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To unsubscribe send a blank email to leave-aprssig-842K@lists.tapr.org
Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

471. [aprssig] Bios setup on IBM Valuepoint

From: John Kraus <jfkraus3@cox.net>
Date: Sun, 14 Jul 2002 11:06:10 -0400
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-89341-2002.07.14-10.44.09--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

I am setting up several IBM ValuePoint 486's as Digi_ned digis and I can't figure out the bios access routine. I have been able to access the bios by creating a keyboard fault but this is a pain and not the way I want to do it. Does anyone have the magic key sequence to get into the bios?

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To unsubscribe send a blank email to leave-aprssig-842K@lists.tapr.org
Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

472. [aprssig] Re: Bios setup on IBM Valuepoint

From: "G. Beat \(W9GB\)" <gregory.beat@attbi.com>
Date: Sun, 14 Jul 2002 10:21:03 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-89346-2002.07.14-10.59.21--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

```
http://www.pc.ibm.com/qtechinfo/DETR-3UFPFM.html?lang=en_US&brand=root&docty
pe=&subtype=Cat

The BIOS, sometimes called CMOS, setup utility, or configuration utility,
contains important system and model information pertaining to hardware
settings and other BIOS functions. To view the BIOS perform the following
steps:
1.) Reboot computer using one of three methods:
     A.) Hit ctrl + alt + del keys
     B.) From Windows 95 desktop click on start, shutdown, choose option to
restart computer, and then click on yes.
     C.) Or shutdown computer using power switch or shutdown option from
Windows 95 desktop, wait 30 seconds, and then turn machine back on.
2.) When you see the Blue IBM screen, and memory counting, hit the F1 key to
enter the configuration utility.
3.) Once in the configuration utility, you will see many choices. Use the up
and down arrow keys to highlight what you want and then hit enter. You may
toggle between choices by highlighting what you want to change, again using
the up and down arrow keys, and then using the left and right arrow keys.
Note: the mouse does not function here.
      Document id:  DETR-3UFPFM
      Last modified:  1998-05-15
      Copyright © 2001 IBM Corporation

----- Original Message -----
From: "John Kraus" <jfkraus3@cox.net>
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Sent: Sunday, July 14, 2002 10:06 AM
Subject: [aprssig] Bios setup on IBM Valuepoint


> I am setting up several IBM ValuePoint 486's as Digi_ned digis and I can't
> figure out the bios access routine.  I have been able to access the bios
by
> creating a keyboard fault but this is a pain and not the way I want to do
> it.  Does anyone have the magic key sequence to get into the bios?
>
> ---
> You are currently subscribed to aprssig as: gregory.beat@attbi.com
> To unsubscribe send a blank email to leave-aprssig-842K@lists.tapr.org
> Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org
>
>



---
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To unsubscribe send a blank email to leave-aprssig-842K@lists.tapr.org
Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org
```

473. [aprssig] Re: ISS Igates and antennas

From: "Brandon Cole" <brandonacole@yahoo.com>
Date: Sun, 14 Jul 2002 10:38:53
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-89347-2002.07.14-11.17.13--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

```
I am running a satgate in Canyon, TX (just south of Amarillo), and I'm
seeing plenty of APRS activity on ISS, especially during the 1400z hour
this morning.  I did not see your callsign, however.

---
You are currently subscribed to aprssig as: lyris.aprssig@tapr.org
To unsubscribe send a blank email to leave-aprssig-842K@lists.tapr.org
Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org
```

474. [aprssig] Re: ISS Igates and antennas

From: "Brandon Cole" <brandonacole@yahoo.com>
Date: Sun, 14 Jul 2002 11:8:43
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-89350-2002.07.14-11.47.07--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Well, on the pass that just occured (just before 1600z on the 14th), I
didn't hear your station, but a quick check to www.ariss.net indicates that
a good portion of the packets there were gated by you (WD9EKA-15). So, I
guess you solved your tnc problems? I do have one question for you,
though. What APRS software, if any, are you using, and how do you get it
to insert your callsign into the received packet before it is gated to the
internet? I'm running APRS+, and despite following the author's
instructions on how do to this, it still isn't putting my callsign in.

Brandon
AD5ER

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To unsubscribe send a blank email to leave-aprssig-842K@lists.tapr.org
Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

475. [aprssig] Synergy inventory sale

From: "G. Beat \(W9GB\)" <gregory.beat@attbi.com>
Date: Sun, 14 Jul 2002 11:08:06 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-89349-2002.07.14-11.46.25--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

>From time to time Art Sepin at Synergy lists
excess Motorola Oncore GPS units on sale.

He currently has Oncore VP receivers on sale
(great for DGPS, TAC-2, HP Z3801A, timing or tracking usage)

at $ 25 (6 channel) and $ 51(8 channel)

and Motorola Antenna 97's on sale at $ 14

Read for specific details on models at this web link:
http://www.synergy-gps.com/Excess_Inventory.pdf

73 de w9gb

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To unsubscribe send a blank email to leave-aprssig-842K@lists.tapr.org
Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

476. [aprssig] Motorola GPS Product Advisory (press release)

From: "G. Beat \(W9GB\)" <gregory.beat@attbi.com>
Date: Sun, 14 Jul 2002 11:24:50 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-89354-2002.07.14-12.03.08--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

On July 9, 2002, Motorola's GPS Products Group announced (press release)
their planned EOL of its 5 volt and channel Oncore receivers.

http://www.synergy-gps.com/5V_to_3V_Prod_Advisoryp65.pdf

This announcement also contains a launch date of August 2002
for the introduction of a new M12+ Oncore Timing model.

I would expect that this mention in the Motorola press release
may be part of Tom Clark's (W3IWI) upcoming new receiver announcement.

The good news is that a larger number of 8 channel Oncore (VP, GT+ & UT+)
units should be appearing in surplus over the coming year.

73 de w9gb

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Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

477. [aprssig] MFJ 1270 Query

From: "Tim Billingsley" <kd5ckp@centurytel.net>
Date: Sun, 14 Jul 2002 14:02:41 -0500

To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: <mfj-ameritron@qth.net>
Message-ID: <LYR842-89367-2002.07.14-14.41.29--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Can someone assist me in figuring out this thing?

Sometime ago a friend heard that my KAM got cooked by a lightening anomaly that was way to close for comfort (... only thing that got hit ... go figger) and presented me with a MFJ1270 that had no home. No idea if it works or not just said "If you want it there ya go" (pretty much there was an attachment but we won't go there).

I have 2 cables, the box, and a wallwart to power it. The cables look pretty ruff but appear functional if I can figure out the pinouts, DIP switches, and make the appropriate rig connections ...

must pause a moment I have a Moose of a dog Black Lab/St Bernard Mix and he is here in the floor asleep - flat on his back legs sprawled out everywhere and dreaming - he is "talking" in his sleep and making motions and gestures from all four limbs. Hilarious!!

OK back to reality ... anyhow if someone could assist me to the point of finding out if it at least works I would be highly grateful.

I found a manual online for $50, but I am not up to investing that just to find out if it works.

TIA es 73
Tim Billingsley KD5CKP
http://www.qsl.net/kd5ckp/start.htm

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To unsubscribe send a blank email to leave-aprssig-842K@lists.tapr.org
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478. [aprssig] Re: WAPRS 2.61 and Igating

From: David VanHorn <dvanhorn@cedar.net>
Date: Sun, 14 Jul 2002 14:20:28 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-89371-2002.07.14-14.58.41--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

UI-View latest installed, and working, and Igating just fine.

Now I have to learn how to work the maps all over again.

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Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

479. [aprssig] Re: MFJ 1270 Query

From: "Tim Billingsley" <kd5ckp@centurytel.net>
Date: Sun, 14 Jul 2002 15:01:17 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: <mfj-ameritron@qth.net>
Message-ID: <LYR842-89375-2002.07.14-15.39.51--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Getting a lot of comments about this being available from MFJ online at
http://www.mfjenterprises.com/man/pdf/MFJ-1270C.pdf
Is this close enough to the plain old 1270 version to make the difference?
Anyone have one that can verify this.

Not disputing, just want to make sure I not chasing wild geese.

Tim Billingsley KD5CKP
http://www.qsl.net/kd5ckp/start.htm

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To unsubscribe send a blank email to leave-aprssig-842K@lists.tapr.org
Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

480. [aprssig] Watches and warnings

From: David VanHorn <dvanhorn@cedar.net>
Date: Sun, 14 Jul 2002 15:30:38 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-89383-2002.07.14-16.08.47--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Who's sending watches and warnings to the Inet stream, and how can I pick those off for the local area, to RF under UI-View?

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Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

---

481. [aprssig] RE: Watches and warnings

From: "AE5PL Lists" <HamLists@ametx.com>
Date: Sun, 14 Jul 2002 16:47:09 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-89389-2002.07.14-17.25.29--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Dale Huguley, KG5QD, operates WXSVR which translates the NWS data stream into APRS format (oversimplification, I know).

To gate weather info for your area to RF, set your software to gate the CWA prefix(es) for your area. You can find which CWA prefix(es) you want by going to http://www.ae5pl.net/html/nws_databases.htm and selecting either NWS Counties or NWS Zones.

With my APRS+SA IGate, I have it set to gate all packets with FWD* callsigns (the * means any characters). This means that I am gating all weather messages for the Fort Worth, Texas CWA to RF. You would do the same with US-View, except, of course, using the CWA for your area.

73,

Pete Loveall AE5PL
http://www.ae5pl.net
mailto:pete@ae5pl.net

> -----Original Message-----
> From: David VanHorn [mailto:dvanhorn@cedar.net]
> Posted At: Sunday, July 14, 2002 3:32 PM
> Subject: [aprssig] Watches and warnings
>
> Who's sending watches and warnings to the Inet stream, and
> how can I pick
> those off for the local area, to RF under UI-View?

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To unsubscribe send a blank email to leave-aprssig-842K@lists.tapr.org
Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

---

482. [aprssig] Re: MFJ 1270 Query

From: Bob Nielsen <nielsen@oz.net>
Date: Sun, 14 Jul 2002 16:49:14 -0700
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: aprssig@lists.tapr.org
Message-ID: <LYR842-89411-2002.07.14-19.27.36--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

It should be pretty close, but there are some circuit changes between the versions. If it a plain 1270 (or a 1270B), these are closer to what you have than the 1270C manual:

ftp://tapr.org/software_lib/tnc/tncdocs.zip (manuals)
ftp://tapr.org/software_lib/tnc/tnc2sch.pdf (schematics)

On Sun, Jul 14, 2002 at 03:01:17PM -0500, Tim Billingsley wrote:
> Getting a lot of comments about this being available from MFJ online at
> http://www.mfjenterprises.com/man/pdf/MFJ-1270C.pdf
> Is this close enough to the plain old 1270 version to make the difference?
> Anyone have one that can verify this.
>
> Not disputing, just want to make sure I not chasing wild geese.

>

--
Bob Nielsen, N7XY   n7xy@n7xy.net
Bainbridge Island, WA
IOTA NA-065, USI WA-028S

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483. [aprssig] OT: Aftermarket HT Battery Pack Info?

From: "Brian P. Mileshosky" <n5zgt@swcp.com>
Date: Sun, 14 Jul 2002 18:45:35 -0600
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-89416-2002.07.14-20.24.19--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Hi All,

Sorry for the off-topic post, but I figured some of you might be experienced with replacing original battery packs for HTs.

I have a Yaesu FT-416 2-meter HT (gray version) and an FT-530, both of which use the same battery packs. I am looking to replace their original NiCd FNB-25 (7.2-volt, 600-mAh) and FNB-27 (12-volt, 900-mAh) packs since they are beginning to lose their charge. I think I will replace them with NiMH packs.

Which after-market battery company (out of many) is the best to deal with, in terms of good product, reliability, and 'fit' (I've heard some after-market packs do not quite physically fit the HT they are meant for)? I have seen MAHA, Sarrio.com, criticalbattery.com, NiCd Lady, and others out there. MAHA is the one I've heard most of, and the rest were found with a search on the 'net.

I'm interested in your experiences and recommendations. Please response **privately.** I appreciate it!

73,
Brian, N5ZGT
____
Amateur Radio Station N5ZGT - N5ZGT PBBS, 145.01 MHz
ARRL Life Member, NorCal #1700 QRP-L #580 AK/QRP #125

Boy Scouts of America - Eagle Scout 12/6/96 - ASM, Troop 85
Vigil Honor Member, O.A. Lodge 66 Yah-Tah-Hey-Si-Kess

Please visit my site at http://www.unm.edu/~brianm
____

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---

484. [aprssig] AprsData Updating Keps

From: "Michael J. Wolthuis" <wolthui3@msu.edu>
Date: Sun, 14 Jul 2002 20:51:57 -0400
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-89418-2002.07.14-20.29.56--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Hello all,
I am looking for a way to easily update my keps for APRSData, here is what I would like to do, any suggestions appreciated.

1) Dos network drivers for 3com PCMCIA card (I think I can do this)
2) Share the APRSDOS directory so I can use a Linux box to auto update the nasa.all kep file I use
3) Have APRSDATA automatically check once a day for the new keps and import them.

Anyone done anything with this, or close to it?

Thanks,

Mike
kb8zgl

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485. [aprssig] Watches and warnings Question

From: "Dave Sloan" <desloan@earthlink.net>
Date: Sun, 14 Jul 2002 19:00:31 -0600
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-89420-2002.07.14-20.38.56--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Hello All,
I just got through downloading all 12 files required for use with WinAprs. I have v2.6.1. I can see the area that the different NWS offices cover. What I don't see is the county lines or any other details. What setting am I missing?

Tnx & 73,
Dave N0EOP

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486. [aprssig] Re: HT Battery Supplier Comments PSE

From: "Mike Yetsko" <myetsko@insydesw.com>
Date: Sun, 14 Jul 2002 20:58:34 -0400
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-89422-2002.07.14-20.42.32--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

----- Original Message -----
From: "Brian P. Mileshosky" <n5zgt@swcp.com>
Subject: OT: HT Battery Supplier Comments PSE

> I have a Yaesu FT-416 2-meter HT (gray version) and an FT-530, both
of
> which use the same battery packs. I am looking to replace their
original
> NiCd FNB-25 (7.2-volt, 600-mAh) and FNB-27 (12-volt, 900-mAh) packs
since
> they are beginning to lose their charge. I think I will replace them
with
> NiMH packs.

I've had excellent results with Mr. NiCad, also known as E H Yost. They sell batteries, packs, inserts, whatever. And you can get them in various ratings.

I needed a pack for an old u4-AT that the pack just wore out. Called them up. Do you want the standard pack, the high output pack, the higher output pack? They all fit in the existing stock shell. Or they had two even higher rated packs but they had to be 'machined' into the shell. I ordered the biggest mah rating the girl on the phone said would fit into the 'stock' shell without mods. And when it arrived, sure enough, it was a easy drop-in. Well, I really shouldn't say easy. It WAS a very tight fit, but I didn't have to do any 'mods' to get it in there.

I just checked, their web page is at:

http://www.mrnicd-ehyostco.com/

Mike

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Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

487. [aprssig] Re: HT Battery Supplier Comments PSE

From: Gerry Creager N5JXS <n5jxs@tamu.edu>
Date: Sun, 14 Jul 2002 20:13:36 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: TAPR APRS Special Interest Group <aprssig@lists.tapr.org>
Message-ID: <LYR842-89424-2002.07.14-20.50.16--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

```
I've used Mr NiCd for years. Everett shows up at a lot of the shows I
manage to get to.  Always had good results with their products.  I
usually get an entire replacement pack rather than trying to refill, but
that's a judgement call.

I recommend them highly.

Gerry n5jxs

Mike Yetsko wrote:
>
> I've had excellent results with Mr. NiCad, also known as E H Yost.  They
> sell batteries, packs, inserts, whatever.  And you can get them in various
> ratings.
>
> I needed a pack for an old u4-AT that the pack just wore out.  Called
> them up.  Do you want the standard pack, the high output pack, the
> higher output pack?  They all fit in the existing stock shell.  Or they
> had two even higher rated packs but they had to be 'machined' into
> the shell.  I ordered the biggest mah rating the girl on the phone said
> would fit into the 'stock' shell without mods.  And when it arrived, sure
> enough, it was a easy drop-in.  Well, I really shouldn't say easy.  It
> WAS a very tight fit, but I didn't have to do any 'mods' to get it in
> there.
>
> I just checked, their web page is at:
>
>         http://www.mrnicd-ehyostco.com/



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488. [aprssig] Re: ISS Igates and antennas

From: bob evinger <wd9eka@evinger.com>
Date: Sun, 14 Jul 2002 20:28:07 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: TAPR APRS Special Interest Group <aprssig@lists.tapr.org>
Message-ID: <LYR842-89425-2002.07.14-21.10.37--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

```
If you are responding to my query, I am not trying to uplink, only igate
to internet. I did find a problem. Not sure what is wrong, maybe some
bad coax but I have temporarily moved my satgate radio over to a j-pole
at 40 feet. Seeing lots of aprs and other activity on ISS passes now and
actually found some packets on findu that I had gated.  If I try to use
my 1/4 wave on sheet metal the swr wasnt bad, but virtually no signals
were getting heard. I am going to stay on the J-pole for now even though
the overhead coverage wont be as good it is 100 times better than the
1/4 wave until I can get the cable replaced or the mount. I was getting
enough rf back in the shack when I transmitted on that antenna that it
was resetting my recording a/h meter on my solar panels.

    bob


Brandon Cole wrote:

> I am running a satgate in Canyon, TX (just south of Amarillo), and I'm
> seeing plenty of APRS activity on ISS, especially during the 1400z hour
> this morning.  I did not see your callsign, however.
>
> ---
> You are currently subscribed to aprssig as: wd9eka@evinger.com
> To unsubscribe send a blank email to leave-aprssig-842K@lists.tapr.org
> Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org
```

```
>
>
>
>



--
Bob Evinger   WD9EKA/AAR5MG(Army MARS operator)
If Guns Cause Crime, Then Matches Cause Arson.



---
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```

489. [aprssig] Re: ISS Igates and antennas

From: bob evinger <wd9eka@evinger.com>
Date: Sun, 14 Jul 2002 20:34:31 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: TAPR APRS Special Interest Group <aprssig@lists.tapr.org>
Message-ID: <LYR842-89426-2002.07.14-21.15.43--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

```
Getting my callsign in was somewhat accidental, though I am glad it is
in there.
Hey Bob Bruninga, is the way my callsign getting in to the path
sufficient for the reports you are  trying to run for it to show up as a
satgate?

Concerning software and how my callsign is getting inserted. I am
running Linux aprsd 2.2.3, I have 2 instances of the program running a
primary which controls my 144.39 Igating and connections to the outside
world hubs and a second instance the wd9eka-15 that is the ISS radio/tnc
and it connects only to my primary wd9eka IGATE via tcp on the local
machine. "fortunately"? via this method it appears to pass along the
callsign of my ISS gate.

   HOpe the above makes sense, been a long day. 6 hours+ of driving
takin g the oldest daughter to a ymca camp.

    bob



Brandon Cole wrote:

> Well, on the pass that just occured (just before 1600z on the 14th), I
> didn't hear your station, but a quick check to www.ariss.net indicates that
> a good portion of the packets there were gated by you (WD9EKA-15).  So, I
> guess you solved your tnc problems?  I do have one question for you,
> though.  What APRS software, if any, are you using, and how do you get it
> to insert your callsign into the received packet before it is gated to the
> internet?  I'm running APRS+, and despite following the author's
> instructions on how do to this, it still isn't putting my callsign in.
>
> Brandon
> AD5ER
>
> ---
> You are currently subscribed to aprssig as: wd9eka@evinger.com
> To unsubscribe send a blank email to leave-aprssig-842K@lists.tapr.org
> Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org
>
>
>
>



--
Bob Evinger   WD9EKA/AAR5MG(Army MARS operator)
If Guns Cause Crime, Then Matches Cause Arson.



---
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Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org
```

490. [aprssig] Wildfire objects

From: KC7ZRU - Tate <kc7zru@arrl.net>
Date: Sun, 14 Jul 2002 22:12:59 -0600
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-89436-2002.07.14-23.51.20--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

```
Say,

Whoever's been putting the wildfires on the APRS IS as objects, thanks!
Great to see.

Is this automatic? (maybe part of the WXSVR?) or is it all being done
manually.

73

--
              Casper, WY    |    CARC Repeater
                DN62tt      |      146.940
        "The Dungeon" online at http://go.to/kc7zru
            "RTFM" is NOT a 'four letter' word!

---
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Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org
```

491. [aprssig] Re: Wildfire objects

From: "Spider" <spider@rivcom.net>
Date: Sun, 14 Jul 2002 21:38:54 -0700
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-89443-2002.07.15-00.17.21--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

```
It's part of the new FIRENET!

Jim, WA6OFT


----- Original Message -----
From: "KC7ZRU - Tate" <kc7zru@arrl.net>
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Sent: Sunday, July 14, 2002 9:12 PM
Subject: [aprssig] Wildfire objects


> Say,
>
> Whoever's been putting the wildfires on the APRS IS as objects, thanks!
> Great to see.
>
> Is this automatic? (maybe part of the WXSVR?) or is it all being done
> manually.
>
> 73
>
> --
>               Casper, WY    |    CARC Repeater
>                 DN62tt      |      146.940
>         "The Dungeon" online at http://go.to/kc7zru
>             "RTFM" is NOT a 'four letter' word!
>
> ---
> You are currently subscribed to aprssig as:




---
You are currently subscribed to aprssig as: lyris.aprssig@tapr.org
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```

492. [aprssig] APRS on the Palm Pilot

From: "Jamie R. Dean" <jrd@jamierdean.com>
Date: Mon, 15 Jul 2002 08:53:30 -0000
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>

Message-ID: <LYR842-89460-2002.07.15-04.32.05--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

```
I have a Palm M130. I have downloaded the newest PocketAPRS for the Palm.
Now is my biggest problem. I need a cable to interface a AEA PK-88 to the
Palm and I really need to to be able to charge the Palm as I use the TNC.
The exact cable to TNC is not a big must as If I can get a cable with the
end for the Palm M130 already on it I could most likely wire it to my
AEA-PK88 or my Timewave PK-12 myself. If someone has a wiring diagrahm.

thanks for your help in advance,
---------------------------------------------------------------
Jamie R. Dean

Amateur Radio Callsign..: KE4HTM
Skywarn Spotter Burke County, NC
AX.25 Packet E-Mail: ke4htm@kd4gca.#gas.nc.usa.na
Six Meter Sked DX Group (Moderator/Owner)..: 6meter-owner@yahoogroups.com
Personal Web Site..: http://www.jamierdean.com
Radio Information Site..: http://www.geocities.com/lordbane
Six Meter Sked DX Group..: http://groups.yahoo.com/group/6meter/
NC USAF MARS Site: http://www.geocities.com/NC_MARS/
QRZ Info. Page..: http://www.qrz.com/callsign/ke4htm
No-Code International..: 1419
Six Meters Six Club World Wide..: 1749
Grid Square..: EM95dr
---------------------------------------------------------------
Romans 10:9-10 (NIV) That if you confess with your mouth,
"Jesus is Lord", and believe in your heart that God raised
him from the dead, you will be saved. For it is with your
heart that you believe and are justified, and it is with
your mouth that you confess and are saved.
---------------------------------------------------------------




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```

---

493. [aprssig] Tropical Cyclone Plots

From: Dale Huguley <dale@wxsvr.com>
Date: Mon, 15 Jul 2002 08:35:04 -0400
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-89466-2002.07.15-08.18.07--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

```
Hi All-
Hurricane Season is here again in the Atlantic Basin and we have our
first cyclone off the Carolina coast. We also have our usual problem
with old and inaccurate plots.  I don't know why folks will plot an
object- then leave it for 2 or three days sometimes.  If you are not
going to kill or update the object on the next update, don't plot it.
Received at 1200z on the 15th:
;TD-ONE   *150455z3503.00n\07402.00W@15/0300Z - MAX SUSTAINED WINDS 30 KTS
Name is OK - time is plot from 9 hours ago - position is off-
The hurricane center deals in tenths of a degree-
35.3N 74.2W = 3518.00N 07412.00W not 3503.00N 07402.00W
.1 = 06
.2 = 12
.3 = 18
.4 = 24
.5 = 30
.6 = 36
.7 = 42
.8 = 48
.9 = 54
.0 = 00

Any plots of tropical cyclones from Hurricane center data with minutes
not equal to the above are wrong. The predicted position names have an
embedded space- this is not allowed. Also the predicted names are such
as "24HR VT   " which won't work as soon as there are two cyclones. I am
not opposed to people hand plotting hurricanes - I cannot guarantee that
the wxsvr will always be up (I live on a barrier island)- but they need
to be timely and accurate.

73 de kg5qd Dale
```

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494. [aprssig] Re: APRS on the Palm Pilot

From: "Bud Talbot" <kb9wvg@arrl.net>
Date: Mon, 15 Jul 2002 7:42:34
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-89467-2002.07.15-08.20.59--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

I use a palm IIIc for aprs and solved the problem by buying a hot sync cable from Radio Shack (~$16) and modifying it. I cut away the back of the palm connector housing and wired in a pigtail 2.1 mm coaxial connector to pins 9 and 10 on the palm connector (9- ground, 10- +5V). I'm not sure what the pins are for the m-series, but I'd bet you can find them on the web.

I also built a AA charger for the palm that uses a 7805 to provide a regulated 5V from the bank of 5 AA batteries. In-line is a 1A fuse so the palm doesn't draw too much, although all of the charging cicuitry is built into the device.

73
Bud
KB9WVG

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To unsubscribe send a blank email to leave-aprssig-842K@lists.tapr.org
Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

495. [aprssig] Re: Wildfire objects

From: "Dick Stanich" <dick@kb7zva.com>
Date: Mon, 15 Jul 2002 8:39:10
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-89471-2002.07.15-09.17.33--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Don't be bashful Jim <g>. Tell us more about FIRENET. Is there a single source where information could be sent/extracted, to impliment a reliable display? Would be great to see it appear on a realtime custom java display, like what I did with the CWOP's and WX display:

http://www.digitaldune.net/~ahubwest/javAPRS/wx.html

Dick, KB7ZVA
http://kb7zva.com

On 07/15/02, ""Spider" <spider@rivcom.net>" wrote:

```
> It's part of the new FIRENET!
>
> Jim, WA6OFT
>
> ----- Original Message -----
> From: "KC7ZRU - Tate" <kc7zru@arrl.net>
> To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
> Sent: Sunday, July 14, 2002 9:12 PM
> Subject: [aprssig] Wildfire objects
>
>
> > Say,
> >
> > Whoever's been putting the wildfires on the APRS IS as objects, thanks!
> > Great to see.
> >
> > Is this automatic? (maybe part of the WXSVR?) or is it all being done
> > manually.
> >
> > 73
> >
> > --
> >               Casper, WY    |    CARC Repeater
> >                 DN62tt      |      146.940
> >         "The Dungeon" online at http://go.to/kc7zru
> >             "RTFM" is NOT a 'four letter' word!
```

You are currently subscribed to aprssig as: lyris.aprssig@tapr.org
To unsubscribe send a blank email to leave-aprssig-842K@lists.tapr.org
Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

496. [aprssig] Re: APRS on the Palm Pilot

From: David VanHorn <dvanhorn@cedar.net>
Date: Mon, 15 Jul 2002 09:46:51 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-89472-2002.07.15-10.26.15--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

>
>I also built a AA charger for the palm that uses a 7805 to provide a
>regulated 5V from the bank of 5 AA batteries. In-line is a 1A fuse so the
>palm doesn't draw too much, although all of the charging cicuitry is built
>into the device.

I did a "same but different" cable, that has the end from a dead USB mouse.
The usb output voltage is 5V.

Those $40 USB charger cables, are two ends and a wire. :)

---
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Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

497. [aprssig] Re: Wildfire objects

From: "Spider" <spider@rivcom.net>
Date: Mon, 15 Jul 2002 08:33:52 -0700
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-89477-2002.07.15-11.12.24--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Hi!
Dick and all!

The project is so new, information is not ready to be released. Some automation is taking place. Information is being sent to the IS and local RF currently and should be seen on all maps on stations connected to the IS....kinda like the QUAKE stuff. However, there will not be a "single" point for collection due to the amount of data and reliability issues with single point systems. The FireNet is broken up into Geographic Responsibility Areas, GRA's.
I am looking for a few volunteers, mainly in California and the north central part of the USA with dedicated, 24 hour/7days a week stations that have an interest in this project. You can see the geographical areas of responsibility for the USA at the following web page...
www.wa6oft.com/FIRENET , as well as some information on the project.

Again, this network is in the beta mode, so-to-speak, and there are some bugs to work out. The teams are growing as more people become interested.
Currently, many of the GRA's are being covered just to get an idea of the magnitude of what "could" be.
It's good data, and compliments what is out there now!

Jim, WA6OFT

----- Original Message -----
From: "Dick Stanich" <dick@kb7zva.com>
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Sent: Monday, July 15, 2002 8:39 AM
Subject: [aprssig] Re: Wildfire objects

> Don't be bashful Jim <g>. Tell us more about FIRENET. Is there a single
> source where information could be sent/extracted, to impliment a reliable
> display? Would be great to see it appear on a realtime custom java
display,
> like what I did with the CWOP's and WX display:
>
> http://www.digitaldune.net/~ahubwest/javAPRS/wx.html
>
> Dick, KB7ZVA
> http://kb7zva.com
>
> On 07/15/02, ""Spider" <spider@rivcom.net>" wrote:

```
> > It's part of the new FIRENET!
> >
> > Jim, WA6OFT
> >
> > ----- Original Message -----
> > From: "KC7ZRU - Tate" <kc7zru@arrl.net>
> > To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
> > Sent: Sunday, July 14, 2002 9:12 PM
> > Subject: [aprssig] Wildfire objects
> >
> >
> > > Say,
> > >
> > > Whoever's been putting the wildfires on the APRS IS as objects,
thanks!
> > > Great to see.
> > >
> > > Is this automatic? (maybe part of the WXSVR?) or is it all being done
> > > manually.
> > >
> > > 73
> > >
> > > --
> > >               Casper, WY    |    CARC Repeater
> > >                 DN62tt      |      146.940
> > >         "The Dungeon" online at http://go.to/kc7zru
> > >             "RTFM" is NOT a 'four letter' word!
>
> ---
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>
>
>
```

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---

498. [aprssig] PCsat comments

From: Bob Bruninga <bruninga@usna.edu>
Date: Mon, 15 Jul 2002 12:05:29 -0400 (EDT)
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: amsat-bb@amsat.org
Message-ID: <LYR842-89478-2002.07.15-11.43.54--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

For what it is worth, anyone looking at their local APRS RF area maps
might be surprised to see DX stations as far as 2000 miles away pop up
everynow and then... from PCsat.

PCsat is currently relaying most APRS Satellite uplinks back down on both
145.825 AND 144.39. SO anyone whos maps are not cluttered by all the
Internet feeds, might enjoy watching for PCsat DX a few times a day on
their normal terrestrial sytem...

Whenever PCsat resets (it does every 1.6 hours now when it goes into
dark), it crossconnects the transmitters... Thus anyone uplinking on the
normal PCsat uplink of 145.825 will come down on BOTH unless a SYSOP
commands PCsat to isolate the transmitters...

Of course, anyone with special needs can ask for access to the unpublished
uplink to always come down on 144.39. Currently we have one user, on a
railroad car that uplinks so that he comes down on 144.39. Look for
N3IYI...

de WB4APR@amsat.org, Bob

PCsat WEB page   http://www.ew.usna.edu/~bruninga/pcsat.html

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499. [aprssig] findu.com palcement mistake?

From: r_denis@globalnet.hn (Ricardo Denis)
Date: Mon, 15 Jul 2002 11:15:51 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-89487-2002.07.15-12.59.59--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

hi all,

on findu.com (ie http://www.findu.com/cgi-bin/find.cgi?call=hr2kos-1) why does this posit beacon :

HR2KOS-1>APZ17:!1530.67NU08806.83W

place the hr2kos-1 digi in africa instead of central america? on rf (ie 2m) the same beacon places the digi correctly on the map. thanks for any info.

73 de rick

Donde esta Ricky? http://www.findu.com/cgi-bin/track.cgi?hr2kos-14

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500. [aprssig] Re: findu.com palcement mistake?

From: Jeff Brenton KA9VNV <jeffb@csrye.org>
Date: Mon, 15 Jul 2002 12:27:16 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: aprssig@tapr.org
Message-ID: <LYR842-89488-2002.07.15-13.10.34--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

HR2KOS-1>APZ17:!1530.67NU08806.83W

It's a combination of things.

First, this is an invalid APRS packet. No symbol defined.

Second, in the absence of a symbol, I suspect FINDU is taking the W as the symbol, leaving no hemisphere marker. Since positive longitudes are East, the icon is in Africa...

The reality of the situation is that FINDU should have rejected this packet.

--
Best regards,
 Jeff   mailto:jeffb@csrye.org

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501. [aprssig] knots/mph

From: Robbie <mwrobertson@attbi.com>
Date: Mon, 15 Jul 2002 12:56:41 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-89489-2002.07.15-13.33.48--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Hi,

I think this has been covered a few times but I have a simple question, (I think)..

Whenever I look at raw packets, after the W in the longitude, and see the course and speed, what am I seeing, knots, or mph?

On Findu.com, what is it displaying for speed, knots or mph?

Is this an option in either of the APRS programs and if it
_is_, how would either program know to convert or not to
convert?

Thanks in advance, :-)

Robbie, wa9inf

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---

502. [aprssig] Winaprs 2.6.1 & PM5.0

From: "Koy" <k5koy@lubb.net>
Date: Mon, 15 Jul 2002 12:17:16 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-89496-2002.07.15-14.26.38--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Ok, just got the precision mapping installed and running with winaprs 2.6.1.
Only problem is its not street level when opened by winaprs, but it is stand
alone. Is there some kind of configuration you can do to make winaprs open
it with street level mapping?..HELP!

Koy Carson-K5KOY West Texas.
If you are not seeing this message, contact your ISP IMEDIATLY

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Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

---

503. [aprssig] Re: Winaprs 2.6.1 & PM5.0

From: "Spider" <spider@rivcom.net>
Date: Mon, 15 Jul 2002 13:01:26 -0700
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-89499-2002.07.15-15.40.00--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

check this doc...

Adding C:\PMAPS50\STATES Files

This procedure allows one to place Pmaps on the Harddrive without
the need of the CD being used during operation. This is optional
with the use of UI-View32.
It takes less than 2 minuts to read this note. Please read entire
note BEFORE starting. If you do not understand, STOP!
WARNINGWARNING***WARNING****WARNING***WARNING***WARNING***
Directory can use 571MB of space. Make sure you have the space!
****
****
a. In Precision Mapping Traveler V5.0, click on File.
b. Then, click on Configurations.
c. Then click on the Data tab
d. Verify all your data paths are correct for each folder. For Example;

Data1 Path: C:\PMAP50\DATA1\
Data2 Path: C:\PMAP50\DATA2\
Data3 Path: C:\PMAP50\DATA3\
States Path: C:\PMAP50\STATES\

Pay real close attention to the 'States Path'. This path could still
be set for your CD Drive, such as for example; E:\PMAP50\STATES . If
it is and you DO NOT want to use the Precision Mapping CD, You must
correct the path to your hard drive path as in the examples above.
 READ WARNING ABOVE

e. Close the program.
f. Start Windows Explorer (making sure Pmaps CD is in your CD Drive)
   and click on your CD Drive.
G. Copy the CD Drive PMAPS50\States folder and paste to your hard
   drive PMAPS50\States folder.
   For Example; COPY E:\PMAPS50\States   PASTE C:\PMAPS50\States
   This takes a little while. ***SEE WARNING ABOVE***

h. After completing 'G', close Windows Explorer, remove CD from the
   CD drive and restart Precision Mapping V5.0.
   You should now be able to go all the way to street level without
   the need for the CD being in the CD Drive.
----- Original Message -----
From: "Koy" <k5koy@lubb.net>
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Sent: Monday, July 15, 2002 10:17 AM
Subject: [aprssig] Winaprs 2.6.1 & PM5.0

> Ok, just got the precision mapping installed and running with winaprs
2.6.1.
> Only problem is its not street level when opened by winaprs, but it is
stand
> alone. Is there some kind of configuration you can do to make winaprs open
> it with street level mapping?..HELP!
>
> Koy Carson-K5KOY West Texas.
> If you are not seeing this message, contact your ISP IMEDIATLY
>
>
> ---
> You are currently subscribed to aprssig as: spider@rivcom.net
> To unsubscribe send a blank email to leave-aprssig-842K@lists.tapr.org
> Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org
>
>
>

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Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

---

504. [aprssig] RE: Winaprs 2.6.1 & PM5.0

From: Bill Diaz <william.diaz@attbi.com>
Date: Mon, 15 Jul 2002 15:17:38 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-89502-2002.07.15-16.01.51--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Koy,

On Monday, July 15, 2002 12:17, Koy [SMTP:k5koy@lubb.net] wrote:
> Ok, just got the precision mapping installed and running with winaprs
2.6.1.
> Only problem is its not street level when opened by winaprs, but it is
stand
> alone.

Not sure what you mean by stand alone. However, it seems that WinAprs
2.6.1 no longer saves the PMap last view upon exiting nor does it restore
it upon restart of WinAprs.

> Is there some kind of configuration you can do to make winaprs open
> it with street level mapping?..HELP!

The MapPro50.cfg has two entries that control these settings. LVIEW=FALSE
and LWIND.

Changing LVIEW to TRUE (Enable last view capability) and setting LWIND to
=-82.000000, 43.569024,-80.000000,41.430976 (to cause it to zoom to this
view on start up) had no effect. It seems that WinAprs 261 now ignores
these settings. Add this one to the list.

Bill KC9XG

> Koy Carson-K5KOY West Texas.
> If you are not seeing this message, contact your ISP IMEDIATLY
>
>
> ---
> You are currently subscribed to aprssig as: kc9xg@attbi.com
> To unsubscribe send a blank email to leave-aprssig-842K@lists.tapr.org

> Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org
>
>

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To unsubscribe send a blank email to leave-aprssig-842K@lists.tapr.org
Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

505. [aprssig] RE: knots/mph

From: "AE5PL Lists" <HamLists@ametx.com>
Date: Mon, 15 Jul 2002 16:34:32 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-89505-2002.07.15-17.12.54--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

According to a recent discussion on the Specification SIG, the APRS data extension CSE/SPD is in knots for all packets except full weather reports. In the latter case, the speed (indicating wind speed) is in mph.

These are not option settings.

73,

Pete Loveall AE5PL
http://www.ae5pl.net
mailto:pete@ae5pl.net

> -----Original Message-----
> From: Robbie [mailto:mwrobertson@attbi.com]
> Posted At: Monday, July 15, 2002 12:57 PM
> Subject: [aprssig] knots/mph
>
> Whenever I look at raw packets, after the W in the
> longitude, and see the course and speed, what am I seeing,
> knots, or mph?
>
> Is this an option in either of the APRS programs and if it
> _is_, how would either program know to convert or not to
> convert?

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Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

506. [aprssig] Re: New beta of aprsd 215 available

From: Dale Heatherington <dale@wa4dsy.net>
Date: Mon, 15 Jul 2002 17:35:35 -0400
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-89506-2002.07.15-17.14.07--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

The beta continues to improve. I cleaned up
some minor html formatting problems on the
status pages and fixed the ?IGATE? query response.
Thanks to all those who submitted reports.

The latest version can be downloaded at:

http://www.wa4dsy.net/aprs/index.html#aprsservers

--
Dale Heatherington
Web Page http://www.wa4dsy.net
Sent by KMail for Linux

You are currently subscribed to aprssig as: lyris.aprssig@tapr.org
To unsubscribe send a blank email to leave-aprssig-842K@lists.tapr.org
Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

507. [aprssig] Winaprs 2.6.1 & PM5.0

From: "Koy" <k5koy@lubb.net>
Date: Mon, 15 Jul 2002 15:12:18 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-89508-2002.07.15-17.21.56--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Thanks to all who offered their wisdom. I now have it working. 73
Koy Carson-K5KOY West Texas.
If you are not seeing this message, contact your ISP IMEDIATLY

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To unsubscribe send a blank email to leave-aprssig-842K@lists.tapr.org
Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

508. [aprssig] Download site for Winaprs

From: John Kraus <jfkraus3@cox.net>
Date: Mon, 15 Jul 2002 19:33:47 -0400
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-89520-2002.07.15-19.11.45--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Does anyone have a mirror site of the winaprs2.61program. The TAPR site only seems to have 2.51 at http://www.tapr.org/tapr/html/gpsf.html. I have tried the Rutgers FTP site several times but it just times out. This is one of the reasons I have been reluctant to bother with WinAPRS. Now I need it to be able to explain to new comers how to set it up. There are those who are impressed by the "Win" label and refuse to even try any other options.

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Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

509. [aprssig] Re: Download site for Winaprs

From: Robbie <mwrobertson@attbi.com>
Date: Mon, 15 Jul 2002 18:46:09 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: TAPR APRS Special Interest Group <aprssig@lists.tapr.org>
Message-ID: <LYR842-89522-2002.07.15-19.23.12--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Hi John,

the file is w261updt.zip and it is on tapr..

Robbie, wa9inf

John Kraus wrote:

>
> Does anyone have a mirror site of the winaprs2.61program. The TAPR site
> only seems to have 2.51 at http://www.tapr.org/tapr/html/gpsf.html. I have
> tried the Rutgers FTP site several times but it just times out. This is
> one of the reasons I have been reluctant to bother with WinAPRS. Now I
> need it to be able to explain to new comers how to set it up. There are
> those who are impressed by the "Win" label and refuse to even try any other
> options.
>
> ---
> You are currently subscribed to aprssig as: mwrobertson@attbi.com
> To unsubscribe send a blank email to leave-aprssig-842K@lists.tapr.org
> Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

---
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Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

510. [aprssig] Mangled packets on IS

From: Bill Diaz <william.diaz@attbi.com>
Date: Mon, 15 Jul 2002 19:45:40 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-89537-2002.07.15-20.24.02--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Does anyone have any idea what is causing these packets to be mangled?
Note that M10 is prepended to each call, <UI> or <<UI>> is in every affected packet and the payloads are missing.

Some of the packets appear to be Mic-E packets. I suspect that an IGATE, server or misconfigured TNC is at fault, but cannot yet identify the source.

IMO, since the <UI> construct provides no useful data to the system, it should not be sent to the Internet.

```
!T 00:02:40 !M10N0JOF>APW246,AA0AW-10*,KC0KSH-10: <UI>:
!T 00:02:53 !M10N0QK-1>APRS,WIDE3-1: <UI>:
!T 00:04:17 !M10AA9MQ>ID: <UI>:
!T 00:05:13 !M10AF9T-9>TV4U5W,WIDE3-2: <<UI>>:
!T 00:07:48 !M10KC0JCD>APW251,K0NDX-10*,WIDE: <<UI>>:
!T 00:08:18 !M10AF9T-9>TV4T8U,WIDE3-2: <<UI>>:
!T 00:09:08 !M10KC0JCD>APW251,N0BNG-10*,WIDE: <<UI>>:
!T 00:09:26 !M10AF9T-9>TV4T7S,WIDE3-1: <<UI>>:
!T 00:10:22 !M10KC9AEJ>APW251,W9SM-10,N0BNG-10*,WIDE: <UI>:
!T 00:10:41 !M10KC0JCD>APW251,K0NDX-10,N0BNG-10*: <<UI>>:
!T 00:11:11 !M10KC0JCD>APW251,N0BNG-10*,WIDE: <<UI>>:
!T 00:11:32 !M10AF9T-9>TV4S7R,WIDE3-1: <<UI>>:
!T 00:12:36 !M10AF9T-9>TV4S3T,AA9MQ*,WIDE3-1: <<UI>>:
!T 00:14:40 !M10AA9MQ>ID: <UI>:
!T 00:14:46 !M10KC0JCD>APW251,K0NDX-10,AA9MQ*: <<UI>>:
!T 00:17:16 !M10AA0SM>APW240,W0MXW-1*,WIDE2: <<UI>>:
!T 00:18:09 !M10KC0JCD>APW251,N0BNG-10*,WIDE: <<UI>>:
```

Bill KC9XG

My vehicle location can be viewed at:
http://www.findu.com/cgi-bin/find.cgi?KC9XG-14

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Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

---

511. [aprssig] Winaprs2.61

From: John Kraus <jfkraus3@cox.net>
Date: Mon, 15 Jul 2002 20:54:49 -0400
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-89538-2002.07.15-20.32.49--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Wow, I got WinAPRS2.61 to run for all of 22 minutes before I got an unhandled exception and it crashed taking down the whole system. This must be a world record for longevity.

Oh well, back to APRS+, at least when it encounters a problem it generates a bug report that allows me to copy the error message into an Email and send it to Brent who then typically replies in less than 24 hours with a fix or suggestion.

I guess this makes APRS+ errors "handled exceptions". Oh and all I have to do when I get one is close the offending window without stopping the program. APRS+ is what you get when you cross a Timex watch with the Energizer bunny and embed the resulting offspring in software. A program that takes a licking and just runs and runs and runs.

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Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

---

512. [aprssig] Re: findu.com palcement mistake?

From: r_denis@globalnet.hn (Ricardo Denis)
Date: Mon, 15 Jul 2002 18:53:27 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: aprssig@tapr.org
Message-ID: <LYR842-89539-2002.07.15-20.37.39--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

hi,

At 12:27 15-07-02 -0500, Jeff Brenton KA9VNV wrote:
>HR2KOS-1>APZ17:!1530.67NU08806.83W

>
>It's a combination of things.
>
>First, this is an invalid APRS packet. No symbol defined.

what is the symbol for a uidigi digi? i thought it was the U.

>Second, in the absence of a symbol, I suspect FINDU is taking the W as
>the symbol, leaving no hemisphere marker. Since positive longitudes
>are East, the icon is in Africa...
>
>The reality of the situation is that FINDU should have rejected this
>packet.

should it reject this one? :

HR2KOS-2>APZ17:=1404.98N208705.99W#

this one is placed correctly. thanks for replying.

73 - rick

Donde esta Ricky? http://www.findu.com/cgi-bin/track.cgi?hr2kos-14

---
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Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

---

513. [aprssig] Re: Winaprs2.61

From: Mark Fellhauer <sparkfel@qwest.net>
Date: Mon, 15 Jul 2002 20:09:37 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-89544-2002.07.15-20.48.18--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

I just received my registered copy of APRSPoint today in the mail. It looks like a very good start for a program. The only problem I seem to encounter is that it doesn't like to stay connected to APRS servers.

73,

Mark
KC7BXS

>I guess this makes APRS+ errors "handled exceptions". Oh and all I have to
>do when I get one is close the offending window without stopping the
>program. APRS+ is what you get when you cross a Timex watch with the
>Energizer bunny and embed the resulting offspring in software. A program
>that takes a licking and just runs and runs and runs.

---
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Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

---

514. [aprssig] Re: Mangled packets on IS

From: bob evinger <wd9eka@evinger.com>
Date: Mon, 15 Jul 2002 21:13:04 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: TAPR APRS Special Interest Group <aprssig@lists.tapr.org>
Message-ID: <LYR842-89545-2002.07.15-21.55.45--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Just a guess, but maybe its a multi port tnc with the channel prepended to the actual data. I dont recognize it as an AEA format but I know my pk-900 does prepend several bytes to each packet going to the terminal so the software can determine which port and which lcn(I think that is the abbr., been awhile the logical channel maybe it is lvc).

bob

Bill Diaz wrote:

> Does anyone have any idea what is causing these packets to be mangled?
> Note that M10 is prepended to each call, <UI> or <<UI>> is in every
> affected packet and the payloads are missing.
>
> Some of the packets appear to be Mic-E packets. I suspect that an IGATE,
> server or misconfigured TNC is at fault, but cannot yet identify the
> source.
>
> IMO, since the <UI> construct provides no useful data to the system, it
> should not be sent to the Internet.
>
```
> !T 00:02:40 !M10N0JOF>APW246,AA0AW-10*,KC0KSH-10: <UI>:
> !T 00:02:53 !M10N0QK-1>APRS,WIDE3-1: <UI>:
> !T 00:04:17 !M10AA9MQ>ID: <UI>:
> !T 00:05:13 !M10AF9T-9>TV4U5W,WIDE3-2: <<UI>>:
> !T 00:07:48 !M10KC0JCD>APW251,K0NDX-10*,WIDE: <<UI>>:
> !T 00:08:18 !M10AF9T-9>TV4T8U,WIDE3-2: <<UI>>:
> !T 00:09:08 !M10KC0JCD>APW251,N0BNG-10*,WIDE: <<UI>>:
> !T 00:09:26 !M10AF9T-9>TV4T7S,WIDE3-1: <<UI>>:
> !T 00:10:22 !M10KC9AEJ>APW251,W9SM-10,N0BNG-10*,WIDE: <UI>:
> !T 00:10:41 !M10KC0JCD>APW251,K0NDX-10,N0BNG-10*: <<UI>>:
> !T 00:11:11 !M10KC0JCD>APW251,N0BNG-10*,WIDE: <<UI>>:
> !T 00:11:32 !M10AF9T-9>TV4S7R,WIDE3-1: <<UI>>:
> !T 00:12:36 !M10AF9T-9>TV4S3T,AA9MQ*,WIDE3-1: <<UI>>:
> !T 00:14:40 !M10AA9MQ>ID: <UI>:
> !T 00:14:46 !M10KC0JCD>APW251,K0NDX-10,AA9MQ*: <<UI>>:
> !T 00:17:16 !M10AA0SM>APW240,W0MXW-1*,WIDE2: <<UI>>:
> !T 00:18:09 !M10KC0JCD>APW251,N0BNG-10*,WIDE: <<UI>>:
```
>
> Bill KC9XG
>
> My vehicle location can be viewed at:
> http://www.findu.com/cgi-bin/find.cgi?KC9XG-14
>
>
> ---
> You are currently subscribed to aprssig as: wd9eka@evinger.com
> To unsubscribe send a blank email to leave-aprssig-842K@lists.tapr.org
> Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org
>
>
>
>

--
Bob Evinger   WD9EKA/AAR5MG(Army MARS operator)
If Guns Cause Crime, Then Matches Cause Arson.

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Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

---

515. [aprssig] Re: Mangled packets on IS

From: "AE5PL Lists" <HamLists@ametx.com>
Date: Mon, 15 Jul 2002 22:16:10 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-89546-2002.07.15-22.54.35--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

May be, but if it is, there should be a separator between the port # and the callsign (like a space, for instance). Otherwise, there is no way for these "M10 callsigns" to be recognized as invalid (all the ones shown are 9 characters or less).

WinAPRS had (don't know about 2.6.1) a problem with <UI>'s in the line. I agree with Bill: everyone should make sure that their TNC's are configured to not display <UI>'s, connected packets, RR packets, etc. The reason <UI>'s in the header are meaningless is because the only packet types that are to be put on to APRS-IS are UI frames.

Most client software packages and IGates do not handle improperly formatted lines well. If the TNC is not in KISS mode, the TNC should be configured to only show the header followed by the packet payload separated by a colon on a single line. Port numbers can be included, either prepended to the header with a separator such as a space or appended to the header with a separator such as a /.

73,

Pete Loveall AE5PL
http://www.ae5pl.net
mailto:pete@ae5pl.net

> -----Original Message-----
> From: bob evinger [mailto:wd9eka@evinger.com]
> Posted At: Monday, July 15, 2002 9:19 PM
> Subject: [aprssig] Re: Mangled packets on IS
>
> Just a guess, but maybe its a multi port tnc with the channel
> prepended
> to the actual data. I dont recognize it as an AEA format but
> I know my
> pk-900 does prepend several bytes to each packet going to the
> terminal
> so the software can determine which port and which lcn(I
> think that is
> the abbr., been awhile the logical channel maybe it is lvc).
>
>   bob
>
> Bill Diaz wrote:
>
> > Some of the packets appear to be Mic-E packets. I suspect
> that an IGATE,
> > server or misconfigured TNC is at fault, but cannot yet
> identify the
> > source.
> >
> > IMO, since the <UI> construct provides no useful data to
> the system, it
> > should not be sent to the Internet.

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---

516. [aprssig] RE: Winaprs 2.6.1

From: "Herb Gerhardt" <hgerhardt@charter.net>
Date: Mon, 15 Jul 2002 20:21:46 -0700
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: "nwaprssig" <nwaprssig@nwaprs.org>
Message-ID: <LYR842-89547-2002.07.15-23.00.16--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

I loaded WinAPRS Version 2.6.1 on my laptop upgrading from Version 2.5.1 as soon as it came out and have not had a single crash of Version 2.6.1! I am running it on my Toshiba Satellite Laptop which has a 30 Gig HD and Win XP Home Edition as its OS.

I do not suspect that it is the fault of the WinAPRS program. I suspect that it is a memory conflict of some sort on your computer with WinAPRS. When I was running all previous versions of WinAPRS on my old computers, I always had routine crashes. I found that Win95 was somewhat stable. Win98 Version 1 was very unstable and caused crashes about every 2 hours. Win Me was much more stable than 98 but still caused occasional crashes. I am impressed with Win XP compatibility with WinAPRS. Like I said, I have not experienced any crashes yet. In the past when I did experience excessive crashes, I gathered as much info as I could on the conditions and emailed them to the Sproul's for info.

I have been reading a number of complaints on WinAPRS lately. Folks you need to remember that all of the authors of the various versions have a "real life" outside of Ham Radio and APRS. At least, I hope they do. This is a hobby for them and not all of them can devote as much of their free time as others can to devote in fixing and upgrading their particular version of APRS. Don't get me wrong, I too look forward to updates to WinAPRS which I have run and promoted in our area for years. Yes, WinAPRS Version 2.6.1 has some problems that I am not happy with (the main one is that the PM 5 maps can not been displayed as full screen) and have experienced some of the problems we have all encountered with this version, but I can wait. I have patience, it comes with age! Hi, hi. I am sure that the Sproul's are working on the various problems that we have notified them about, but they do need some time to work out the bugs and correct them.

Lets all feed the authors the info of the problems you encounter with their program. They do pay attention to the inputs they receive, but please don't expect them to stop their personal lives to resolve the problems encountered in our hobby.

By the way, my favorite "mirror site" for all versions of APRS is:
http://www.tawg.org/

It is the easiest site that I have found for maneuvering around and finding the download you are looking for.

Remember the most important thing in APRS is: WE MUST HAVE FUN! So, let's all sit back and enjoy our hobby.

Herb, KB7UVC
NW APRS Group, West Sound Coordinator
Our WEB Site: www.nwaprs.org

> -----Original Message-----
> From: bounce-aprssig-29709@lists.tapr.org
> [mailto:bounce-aprssig-29709@lists.tapr.org]On Behalf Of John Kraus
> Sent: Monday, July 15, 2002 5:55 PM
> To: TAPR APRS Special Interest Group
> Subject: [aprssig] Winaprs2.61
>
>
> Wow, I got WinAPRS2.61 to run for all of 22 minutes before I got an
> unhandled exception and it crashed taking down the whole system.
> This must
> be a world record for longevity.
>
>

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---

517. [aprssig] Repeater Callsigns in Canada

From: Adi Linden <adil@adis.on.ca>
Date: Mon, 15 Jul 2002 23:48:38 -0500 (CDT)
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-89558-2002.07.16-00.27.02--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Hi,

I am wondering about the proper way to identify a digipeater. When I first got involved with packet radio I remember it being just fine to identify multiple digital stations using a -1, -2, -3, etc suffix to the callsign. So if my pbbs mailbox at home was va3adi-1, my vehicle could be va3adi-2 and my ht va3adi-3, etc. Is the same true for aprs? Reading some of the aprs documentation, it seems like specific suffixes are associated with specific thinks like vehicles, etc.

Further, I have a callsign for my irlp node, va3slt, and the same location will also be an igate and digipeater with callsign va3slt. I am thinking about dedicating another tnc to a satgate. Would it be appropriate to give the satgate the same callsign or should there be a suffix?

Because my home has poor wide area coverage, I hope to build a digipeater that will be located on a nearby hill. Would I be able to use the same callsign with suffix, like va3slt-2, for it?

I would just like to get an idea about the appropriate use of those suffixes for aprs. It's been a while since I've been active on packet and the Industry Canada rules don't seem to say much about callsigns and packet.

Adi
va3adi

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Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

518. [aprssig] Re: findu.com palcement mistake?

From: Jeff Brenton <jeffb@csrye.org>
Date: Mon, 15 Jul 2002 23:51:46 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: aprssig@tapr.org
Message-ID: <LYR842-89559-2002.07.16-00.30.18--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

RD> what is the symbol for a uidigi digi? i thought it was the U.

The _symbol_ is the # character after the longitude. The U is the
overlay character, that goes over the star generated by the #.

All of this is covered in the APRS/DOS documentation, but spread out
across a few files. And, of course, the ones I have on my web site are
a bit out of date, since DIGIS.TXT from version 8.44 does not contain
the new overlay characters...

--

Jeff Brenton KA9VNV
Questionable web page: http://dididahdahdidit.com

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519. [aprssig] Baycom TNC's

From: Adi Linden <adil@adis.on.ca>
Date: Mon, 15 Jul 2002 23:53:34 -0500 (CDT)
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-89560-2002.07.16-00.32.01--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Hi,

I am looking at building a digipeater but don't have a spare tnc. Are
there any performance issues to keep in mind using Baycom style hardware
and Linux? I have a spare embedded board with a 486 133MHz CPU I'd like to
use with embedded Linux and aprsd or digined. Any thoughts on that
combination?

Thanks,
Adi
va3adi

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Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

520. [aprssig] Re: ISS Igates and antennas

From: Adi Linden <adi@adis.on.ca>
Date: Mon, 15 Jul 2002 23:57:38 -0500 (CDT)
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: TAPR APRS Special Interest Group <aprssig@lists.tapr.org>
Message-ID: <LYR842-89561-2002.07.16-00.36.21--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

> Concerning software and how my callsign is getting inserted. I am
> running Linux aprsd 2.2.3, I have 2 instances of the program running a
> primary which controls my 144.39 Igating and connections to the outside
> world hubs and a second instance the wd9eka-15 that is the ISS radio/tnc
> and it connects only to my primary wd9eka IGATE via tcp on the local
> machine. "fortunately"? via this method it appears to pass along the
> callsign of my ISS gate.

So what did you do for the ISS radio/tnc aprsd instance? Did you disable
all the ports except for the one talking to the igate aprsd or specify
different port numbers?

Adi

va3adi

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Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

---

521. [aprssig] Looking for a CF GPS

From: Mark Fellhauer <sparkfel@qwest.net>
Date: Tue, 16 Jul 2002 01:12:06 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-89568-2002.07.16-01.51.10--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Leadtek seems to make the smallest CF GPS, I've seen. Problem is I never
seen one for sale, nor can I find much baout them on the Web.

http://www.leadtek.com.tw/www/Web_Leadtek/gps/9534.asp

Supposedly Destinator is supposed to be their US sales outlet, but I see no
mention of that on their site.

http://www.destinator1.com/products.emb

Anybody have any info on Leadtek CF GPS units?

73,

Mark
KC7BXS

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Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

---

522. [aprssig] Re: ISS Igates and antennas

From: bob evinger <wd9eka@evinger.com>
Date: Tue, 16 Jul 2002 07:07:12 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: TAPR APRS Special Interest Group <aprssig@lists.tapr.org>
Message-ID: <LYR842-89629-2002.07.16-07.50.52--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

I specified different port numbers for the second instance. I am in the
process of rolling back the ISS instance to aprsd 2.1.5 though, I had
bumped it up to 2.2.3 and my callsign was no longer showing up in the
gated packets. I'll see on the next pass if it was the upgrade that
caused it.

bob

Adi Linden wrote:

> >Concerning software and how my callsign is getting inserted. I am
> >running Linux aprsd 2.2.3, I have 2 instances of the program running a
> >primary which controls my 144.39 Igating and connections to the outside
> >world hubs and a second instance the wd9eka-15 that is the ISS radio/tnc
> >and it connects only to my primary wd9eka IGATE via tcp on the local
> >machine. "fortunately"? via this method it appears to pass along the
> >callsign of my ISS gate.
> >
>
> So what did you do for the ISS radio/tnc aprsd instance? Did you disable
> all the ports except for the one talking to the igate aprsd or specify
> different port numbers?
>
> Adi
> va3adi
>
>
> ---
> You are currently subscribed to aprssig as: wd9eka@evinger.com
> To unsubscribe send a blank email to leave-aprssig-842K@lists.tapr.org
> Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

```
>
>
>
>


--
Bob Evinger   WD9EKA/AAR5MG(Army MARS operator)
If Guns Cause Crime, Then Matches Cause Arson.


---
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Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org
```

523. [aprssig] Re: Repeater Callsigns in Canada

```
From: Bob Bruninga <bruninga@usna.edu>
Date: Tue, 16 Jul 2002 08:52:56 -0400 (EDT)
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: TAPR APRS Special Interest Group <aprssig@lists.tapr.org>
Message-ID: <LYR842-89633-2002.07.16-08.31.32--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain
```

```
Just make sure that every station that is transmitting an APRS position
has a UNIQUE SSID.  Nothing worse than ping-ponging positions...

Bob

On Mon, 15 Jul 2002, Adi Linden wrote:

> I am wondering about the proper way to identify a digipeater. When I first
> got involved with packet radio I remember it being just fine to identify
> multiple digital stations using a -1, -2, -3, etc suffix to the callsign.
>
> Because my home has poor wide area coverage, I hope to build a digipeater
> that will be located on a nearby hill. Would I be able to use the same
> callsign with suffix, like va3slt-2, for it?


---
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```

524. [aprssig] APRS Digi overlays and other APRS info

```
From: Bob Bruninga <bruninga@usna.edu>
Date: Tue, 16 Jul 2002 11:03:39 -0400 (EDT)
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: Multiple recipients of aprs <aprs@lists.csumb.edu>,
        TAPR APRS SIG <aprssig@lists.tapr.org>
Message-ID: <LYR842-89637-2002.07.16-10.42.08--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain
```

```
> There has been some discussion on identifying different digipeaters,
> software/hardware-wise?
> Is there a reference for this? A web page, a doc, or something?

Yes, see http://www.ew.usna.edu/~bruninga/sitemap.html

And look under the APRS category...  These web pages are where I will try
to keep the latest list of TOCALLS and EXPERIMENTAL FORMATS posted...

de WB4APR, Bob



---
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```

525. [aprssig] Duplicate data

```
From: David VanHorn <dvanhorn@cedar.net>
Date: Tue, 16 Jul 2002 11:53:54 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-89651-2002.07.16-12.32.24--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain
```

As of this am, I started receiving EQR products through rotate.aprs.net
(not very helpful..) that are duplicated.

This is a pretty typical dupe, from my UI-View log.

```
}W9IF>APRS,TCPIP,KC6ETE-1*:;141726q42*141726z2417.40N\12507.20EQMag 4.2
Depth 32.9 km SW RYUKYU ISL., JAPAN
2002-Jul-16 11:33:26 (Port 1) KC6ETE-1>APU24R,WIDE3-3:

}W9IF>APRS,TCPIP,KC6ETE-1*:;141726q42*141726z2417.40N\12507.20EQMag 4.2
Depth 32.9 km SW RYUKYU ISL., JAPAN
2002-Jul-16 11:33:28 (Port 1) KC6ETE-1>APU24R,WIDE3-3:
```

Up to about 08:30 this am, these were not duplicated like this.

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526. [aprssig] PCsat sets NODIGI

From: Bob Bruninga <bruninga@usna.edu>
Date: Tue, 16 Jul 2002 13:20:13 -0400 (EDT)
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-89658-2002.07.16-12.58.50--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

PCsat users:

We just turned DIGI OFF and all 1200 baud TLM off.

Although PCsat has been perfectly usable in the afternoons into early evenings, we are still running the batteries down on every eclipse.
So today I thought of one last low power mode I can try so we turned DIGI and TELEMETRY OFF to see if we can make it through just ONE eclipse.
Thats all we would need to recover PCsat back into positive power budget.

I will try this for the daytime passes over the USA this week (which will effect the evening passes over Europe)...

The lowest power mode of PCsat has been with all BULLETINS and all DIGIpeating turned off. Also we disable 9600 baud 1 minute telemetry as well.   THus the only thing remaining was the once per minute single 1200 baud telemetry packet which is required to keep the heart-beat fail-safe reset timer tickled. Whats new, is that we realized that if we switched the 1/min TLM to 9600 baud instead of 1200, we would further reduce the minimum transmit duty cycle in our lowest power mode. Thus halving our transmit current drain.

Unfortunately, our TRANSMIT power is already less than 10% of the overall bus power, so this move will only gain us about 5%, but worth trying...
Our minimum transmit average current drain (1 packet per minute) is only about 16 ma out of the nominal 160 ma low power mode. Droping this in half saves us about 8 ma. Who knows, maybe it is the straw that can give new life to the camel?

Anyway, when PCsat is in this minimum mode, the ONLY thing you will hear will be a once a minute half second noise burst... (9600 bd TLM)...
nothing else.

Sorry for the inconvenience. If you were planning a PCsat demo this week, let us know and we will turn it back on.

de WB4APR@amsat.org, Bob

PCsat WEB page	http://www.ew.usna.edu/~bruninga/pcsat.html
ISS-APRS FAQ:	http://www.ew.usna.edu/~bruninga/iss-faq.html
CUBESAT Designs	http://www.ew.usna.edu/~bruninga/cubesat.html
APRS LIVE pages	http://www.ew.usna.edu/~bruninga/aprs.html
APRS SATELLITES	http://www.ew.usna.edu/~bruninga/astars.html

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527. [aprssig] Emergency Protocol?

From: <tvsjr@sprynet.com>
Date: Tue, 16 Jul 2002 14:54:01 -0400
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-89668-2002.07.16-14.32.26--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

What is the procedure for sending out "test" emergency packets? For instance,
I want to configure one of the PMs in my Kenwood D700 for Emergency with a
high beacon rate. However, to make sure that this works, I will end up sending
some emergency packets. How do I ensure that all recipients understand that
these are test messages only? I can place a message in the packet, send a
message to all, send a message over the APRSSig, etc. Any suggestions?

Thanks,

Terry

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---

528. [aprssig] Re: Emergency Protocol?

From: "Curt Mills, WE7U" <hacker@tc.fluke.com>
Date: Tue, 16 Jul 2002 12:07:53 -0700 (PDT)
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: TAPR APRS Special Interest Group <aprssig@lists.tapr.org>
Message-ID: <LYR842-89669-2002.07.16-14.46.19--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

On Tue, 16 Jul 2002 tvsjr@sprynet.com wrote:

> What is the procedure for sending out "test" emergency packets? For instance,
> I want to configure one of the PMs in my Kenwood D700 for Emergency with a
> high beacon rate. However, to make sure that this works, I will end up sending
> some emergency packets. How do I ensure that all recipients understand that
> these are test messages only? I can place a message in the packet, send a
> message to all, send a message over the APRSSig, etc. Any suggestions?

Switch frequencies on the D700 and take another station with you.
Test there, then turn off the emergency beacons and move back to
144.39.

Curt Mills, WE7U   hacker.NO_*SPAM@tc.fluke.com
Senior Methods Engineer/SysAdmin
"Lotto: A tax on people who are bad at math." -- unknown
"Windows: Microsoft's tax on computer illiterates." -- WE7U

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---

529. [aprssig] RE: Duplicate data

From: "AE5PL Lists" <HamLists@ametx.com>
Date: Tue, 16 Jul 2002 14:10:17 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-89670-2002.07.16-14.48.59--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

> -----Original Message-----
> From: David VanHorn [mailto:dvanhorn@cedar.net]
> Posted At: Tuesday, July 16, 2002 11:57 AM
> Subject: [aprssig] Duplicate data
>
> This is a pretty typical dupe, from my UI-View log.
>
> }W9IF>APRS,TCPIP,KC6ETE-1*:;141726q42*141726z2417.40N\12507.20
> EQMag 4.2
> Depth 32.9 km SW RYUKYU ISL., JAPAN
> 2002-Jul-16 11:33:26 (Port 1) KC6ETE-1>APU24R,WIDE3-3:
>
> }W9IF>APRS,TCPIP,KC6ETE-1*:;141726q42*141726z2417.40N\12507.20

> EQMag 4.2
> Depth 32.9 km SW RYUKYU ISL., JAPAN
> 2002-Jul-16 11:33:28 (Port 1) KC6ETE-1>APU24R,WIDE3-3:
>

Help me interpret your log as I don't have or run UI-View...

I am guessing this is a transmit log. If I am correct in this guess,
then it means the following two packets were transmitted by your
station:

```
KC6ETE-1>APU24R,WIDE3-3:}W9IF>APRS,TCPIP,KC6ETE-1*:;141726q42*141726z241
7.40N\12507.20 EQMag 4.2 Depth 32.9 km SW RYUKYU ISL., JAPAN
```

and

```
KC6ETE-1>APU24R,WIDE3-3:}W9IF>APRS,TCPIP,KC6ETE-1*:;141726q42*141726z241
7.40N\12507.20 EQMag 4.2 Depth 32.9 km SW RYUKYU ISL., JAPAN
```

It appears that the dupe is occurring due to the first packet having a
trailing tab and the second one not having any. Having just run an
APRS-IS trace, I found the following:

```
!T 19:00:19 !W9IF>APRS:;151957q45*151957z3155.20N\13136.60EQMag 4.5
Depth 33.0 km KYUSHU, JAPAN
!T 19:00:20
!W9IF>APRS,TCPIP,KB7ZVA-1*:;151957q45*151957z3155.20N\13136.60EQMag 4.5
Depth 33.0 km KYUSHU, JAPAN
```

The first is generated by W9IF. It includes the trailing tab. The
second is apparently being gated back to APRS-IS (it shouldn't be since
it has TCPIP in the header). Somewhere between the origination and when
the packet gets gated back to APRS-IS, the trailing tab is being
stripped.

I will make a modification to javAPRSSrvr to exclude trailing tabs in
the dupe check algorithm to help keep this from appearing on APRS-IS.
However, whoever is gating the 3rd party packet from KB7ZVA-1 back onto
APRS-IS needs to get their software fixed.

When using rotate.aprs.net from a Windows machine, you can determine
what system you are connected to by running the netstat -n command.
Look for a connection to the same port (probably 23) that you used in
your APRS application setup.

73,

Pete Loveall AE5PL
http://www.ae5pl.net
mailto:pete@ae5pl.net

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To unsubscribe send a blank email to leave-aprssig-842K@lists.tapr.org
Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

---

530. [aprssig] RE: Duplicate data

From: David VanHorn <dvanhorn@cedar.net>
Date: Tue, 16 Jul 2002 14:27:31 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-89671-2002.07.16-15.08.40--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

>
>I am guessing this is a transmit log.

Yes.

> If I am correct in this guess,
>then it means the following two packets were transmitted by your
>station:

Yes.

>It appears that the dupe is occurring due to the first packet having a
>trailing tab and the second one not having any.

Ok, so they are logical dupes, but not literal dupes.

>The first is generated by W9IF. It includes the trailing tab. The
>second is apparently being gated back to APRS-IS (it shouldn't be since
>it has TCPIP in the header). Somewhere between the origination and when
>the packet gets gated back to APRS-IS, the trailing tab is being
>stripped.

This started about 8:30 AM, if that helps (GMT-5)

>I will make a modification to javAPRSSrvr to exclude trailing tabs in
>the dupe check algorithm to help keep this from appearing on APRS-IS.
>However, whoever is gating the 3rd party packet from KB7ZVA-1 back onto
>APRS-IS needs to get their software fixed.

Hopefully, not me :)

>When using rotate.aprs.net from a Windows machine, you can determine
>what system you are connected to by running the netstat -n command.
>Look for a connection to the same port (probably 23) that you used in
>your APRS application setup.

I've tweaked the system here, to connect only to first, second, or third
(no more rotate) on 10152, as described in
http://www.jnos.org/cgi-bin/moin.cgi/APRS_20Server

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531. [aprssig] Good Deal on a device for APRS/CE

From: Mark Fellhauer <sparkfel@qwest.net>
Date: Tue, 16 Jul 2002 16:49:16 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-89680-2002.07.16-17.28.06--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

I was in Best Buy today and noticed they had the Toshiba e740 on sale for
$540.00.   This is an incredible price for any upper level Pocket
PC.   Especially when the e740 has an X-scale processor and BUILT-IN
802.11b. I paid slightly less for my Casio E-200 and an SMC CF 802.11b CF
card together, but I lose my CF slot in the process...

http://www.bestbuy.com/Detail.asp?m=488&cat=526&scat=527&e=11161521

And I believe they are offering free shipping...

amazon.com is matching Best Buy's price, BTW.

A very good review on the Toshiba e740:

http://reviews.pocketnow.com/content.cgi?db=reviews&id=260

It's not a perfect Pocket PC, as the review points out, but the price is
decent (comparatively).

I have played a little with VoIP with my Pocket PC and have found that
Ruksun's Messenger Voice is a decent app that works in conjunction with MSN
Messenger.

http://www.ruksun.com/mobile_computing/windowsce/products/voice_messengerforce/

The best app I have found in clarity and least latency is Gtony's Pocket
G-Phone.

http://www.gtony.com/pocketgphone/

As usual, I work for none of the companies mentioned in this post...

73,

Mark
KC7BXS

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Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

532. [aprssig] weather station

From: Eric Silvers <Eric.Silvers@dfrc.nasa.gov>
Date: Tue, 16 Jul 2002 15:21:41 -0700
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-89682-2002.07.16-18.15.58--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

I am trying to setup a weather station in stand-alone mode. I would like it to communicate with another TNC that is hooked up to APRS. But nothing will transmit through the TNC that my weather station is hooked up to. I am assuming that my TNC is not configured correctly. Since I am new to amateur radio, I do not understand all the commands of the TNC. Could somebody give me their configuration of their TNC if it is a KPC-3 Plus and you are using it with a Peet Bros. Ultimeter 2000. Also, I am not using it with a GPS unit. Thanks.

Eric Silvers
eric.silvers@dfrc.nasa.gov

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Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

533. [aprssig] Radio Felonies?

From: Bob Bruninga <bruninga@usna.edu>
Date: Tue, 16 Jul 2002 19:58:49 -0400 (EDT)
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-89695-2002.07.16-19.37.17--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

I hope I am not forwarding an unverified report, but I just saw this new law that really makes listening to just about anything not intended for you not just illegal, but now a Federal FELONY.

forwarded clipped email---

... these legal changes... [make]... any use of radio to intercept a radio transmission not "readily accessible to the general public" under 18 USC 2510 and 2511 even for hobby curiosity or testing purposes may well have just become a federal felony with 5 years in jail as a penalty and no safe harbor for hobby activities or a first offense.

Prior to the passage of this bill intentional hobby type interceptions of radio communications that weren't "scrambled or encrypted or transmitted using modulation techniques the essential parameters of which have been withheld from the public with the intention of preserving the privacy of such communications" were treated either as a misdemeanor offense with fines or a year or less penalty or for interceptions of cell calls, pagers, and cordless phones and phone patches on trunked systems as an "offense" for which the maximum penalty was a $500 fine.

-------- posting follows --------

The House just passed the Cyber Electronic Security Act last night (7/15/02) by an overwhelming margin of 385-3.

Buried in an otherwise draconian bill that raises penalties for computer hacking that causes death or serious injury to life in prison and allows government monitoring of communications and email without warrants in even more circumstances is the following seeming obscure language:

> SEC. 108. PROTECTING PRIVACY.
>
> (a) Section 2511- Section 2511(4) of title 18, United States Code, is amended--
>
> (1) by striking paragraph (b); and
>
> [For those of you who don't realize what this means ....]

What this does is change the penalty for the first offense of intercepting an unscrambled and unencrypted radio communication that is not supposed to be listened to (eg AMPS cellular calls, commercial pagers, cordless phones, common carrier communications) for hobby purposes (eg not a tortuous or illegal purpose or for direct or indirect commercial advantage or private commercial gain) from a misdemeanor (one year or less prison time) to a federal FELONY (5 years prison time).

And further this changes the status of the specific offense of listening to a cell call, cordless call, a pager, or a public land mobile radio service communication (eg a telephone interconnect) from a minor offense for which one can be fined a maximum of $500 to a federal FELONY for which one can be imprisoned for up to 5 years.

In effect this removes a safe harbor created during the negotiations over the ECPA back in 1985-86 which ensured that first offenses for hobby radio listening were only treated as minor crimes - after this law is passed simply intentionally tuning a common scanner to the (non-blocked) cordless phone frequencies could be prosecuted as a felony for which one could serve 5 years in jail.

And in case any of my readers have forgotten, a federal felony conviction (even without any jail time) deprives one of the right to vote, to own firearms, to be employed in a number of high level jobs and professions, to hold certain professional licenses and permits, and important for certain readers of these lists absolutely eliminates for life the possibility of holding any kind of security clearance whatever (a recent change in the rules) - something required for many if not most interesting government and government related jobs.

So merely being stopped by a cop with the cordless phone frequencies in your scanner could conceivably result in life long loss of important rights and privileges.

The careful, thoughtful reader will note that section 4 has been revised a bit lately, and that this new section 4 (see above) now makes it a federal felony with 5 years in jail penalties to violate section 1 INCLUDING the following provisions of section 1:

18 USC 2511:

> (1) Except as otherwise specifically provided in this chapter any person who - intentionally discloses, or endeavors to disclose, to any other person the contents of any wire, oral, or electronic communication, knowing or having reason to know that the information was obtained through the interception of a wire, oral, or electronic communication in violation of this subsection;
>
> OR intentionally uses, or endeavors to use, the contents of any wire,
> oral,
> or electronic communication, knowing or having reason to know that the information was obtained through the interception of a wire, oral, or electronic communication in violation of this subsection; or
>
> shall be punished as provided in subsection (4) or shall be subject to suit as provided in subsection (5).

This seems to have changed the status of revealing as part of a hobby list any hint of the contents of a radio communications that might or might not have been legally intercepted from a potentially minor misdemeanor offense or less to a serious felony. Thus if a court finds that any communication reported on an Internet list was not legally intercepted, felony penalties apply for publishing the information even if the interception was for hobby purposes (which of course most scanner list intercepts are).

Thus the legal climate has fundamentally changed, and one can assume that since the Bush administration has been pushing for the passage of this bill that they perhaps intend to start prosecuting at

least some category of radio under the new provisions - no
doubt as an example meant to scare the rest of us into handing our
radios in at the nearest police station...

So yet another blow to the radio hobbies.... and a big one
indeed...

Dave Emery N1PRE, die@die.com DIE Consulting, Weston, Mass. PGP
fingerprint = 2047/4D7B08D1 DE 6E E1 CC 1F 1D 96 E2 5D 27 BD B0 24 88 C3
18

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534. [aprssig] Position Q WinAPRS2.6.1

From: "Dave Sloan" <desloan@earthlink.net>
Date: Tue, 16 Jul 2002 18:26:49 -0600
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-89698-2002.07.16-20.05.30--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Hello all,
I received the following from another station here in Colorado and I have no idea as to why she is having this problem. I also run v2.6.1 and have no problem tracking my D700. Any ideas are appreciated.

I am running a Kenwood TH-D7 for my mobile rig. Beside my own aprs
display showing up back east I also see
every Colorado Front range unit using mic enc format displayed back
east. I am running my winaprs on a Pentium 120 using windows 95. It
does not seem to make a difference weather I run version 2.4.6 or 2.5.1
in winaprs. If I use aprs+sa it displays just fine.

Tnx & 73,
Dave N0EOP

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535. [aprssig] Re: Radio Felonies?

From: Mark Fellhauer <sparkfel@qwest.net>
Date: Tue, 16 Jul 2002 19:35:59 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-89699-2002.07.16-20.15.00--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

At 06:58 PM 7/16/02, Bob Bruninga wrote:

>I hope I am not forwarding an unverified report, but I just saw this new
>law that really makes listening to just about anything not intended for
>you not just illegal, but now a Federal FELONY.

Well, it's not a law yet. The house passed the bill, but the senate has to ratify an indentical one, too, before it can be passed to the President to sign it into law (or veto).

But it goes to show that no one's freedom is safe when Congress is in session.   The law is almost moot, anyway, since more and more wireless transmissions are going to some kind of digital modulation - although despite what your hear from the cell phone companies - 70 percent of all cell phone traffic in the US is still good ol' 800 MHz analog. But that too will change.

CESA will probably pass the Senate in some form or another...but provisions of it will probably be taken down on Constitutional Grounds.   What's odd is I can not find a single group of people, other than Congress that want such a law...

I'm not too worried about the Federal Felony Rap.   It's a federal offense to carjack in the U.S. (Since 1992), but how many people have been charged under this statute outside of Washington, D.C.?   I don't know, but the number is very very small.   Although... the DOJ and State's Federal

Prosecuters do seem more intent on prosecuting petty offenses like people violating the Fair Housing Act when renting a room over their garage, and harrassing Indian Casinos, rather than going after violent predicate felons...so who knows?

Mark

---
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536. [aprssig] Re: Radio Felonies?

From: Matt Steinhoff <mls@steinhoff.net>
Date: Tue, 16 Jul 2002 20:44:17 -0400
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: aprssig@lists.tapr.org
Message-ID: <LYR842-89701-2002.07.16-20.22.43--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

> The House just passed the Cyber Electronic Security Act last
> night (7/15/02) by an overwhelming margin of 385-3.

There is probably a better way to link to it, but I could not figure it out. Here's the link I used to get to the bill...

http://thomas.loc.gov/cgi-bin/query/D?c107:1:./temp/~c107iQtH5c::

Matt

---
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537. [aprssig] Re: Radio Felonies?

From: k9soa@att.net
Date: Wed, 17 Jul 2002 00:51:49 +0000
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-89703-2002.07.16-20.30.13--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

And they (Politicians) still keep saying that the 9/11 event should NOT change the way we live.

BIG BROTHER IS HERE.

Looks like they might be putting the ones that help out the most during such disasters in jail. Then who are they going to call for emergency communications.

--
Don

www.k9soa.net (EM77EX)

Home of "JEANNIE"
The House That Listens

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538. [aprssig] Re: Radio Felonies?

From: "Mike Yetsko" <myetsko@insydesw.com>
Date: Tue, 16 Jul 2002 22:22:37 -0400
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-89710-2002.07.16-22.04.17--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

>From what I understand, the phrase "not readily accessible to the general public" is the legal description used to describe a signal that is

modulated by 'non-standard' means or incorportates encryption of some kind.

In other words, if it's a standard signal broadcast through the air using readily published modulation standards, then this law should NOT apply.

This law should NOT be automatically assumed to be a blanket prohibition against receiving broadcast transmissions.

Mike

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---

539. [aprssig] Re: Radio Felonies?

From: David VanHorn <dvanhorn@cedar.net>
Date: Tue, 16 Jul 2002 21:36:57 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-89711-2002.07.16-22.16.50--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

>
>This law should NOT be automatically assumed to be a blanket
>prohibition against receiving broadcast transmissions.

I'm dead certain they don't want to prevent us from watching TV.

However, what would be the point, if not to further restrict our ability to listen to unencoded transmissions?

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---

540. [aprssig] Re: Congress votes to make interception of cell and cordless a felony

From: blitz <blitz@macronet.net>
Date: Tue, 16 Jul 2002 22:51:47 -0400
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-89713-2002.07.16-22.30.23--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Sorry to be the bearer of bad news, but something of enormous importance to radio hobbyists has just happened in Washington, and so far I haven't seen any mention or discussion of it on any scanner or ham lists I follow.

I hope this message will alert others to what has just happened and get people thinking about the consequences...

The House just passed the Cyber Electronic Security Act last night (7/15/02) by an overwhelming margin of 385-3.

Buried in an otherwise draconian bill that raises penalties for computer hacking that causes death or serious injury to life in prison and allows government monitoring of communications and email without warrants in even more circumstances is the following seeming obscure language:

SEC. 108. PROTECTING PRIVACY.

(a) Section 2511- Section 2511(4) of title 18, United States Code, is amended--

(1) by striking paragraph (b); and

(2) by redesignating paragraph (c) as paragraph (b).

For those of you who don't realize what this means ....

Section 2511 subsection 4 of title 18 (the ECPA) currently reads as foilows.... the CESA will strike part (b) of this language.

Penalties..

(a)

Except as provided in paragraph (b) of this subsection or in subsection (5), whoever violates subsection (1) of this section shall be fined under this title or imprisoned not more than five years, or both.

[The following section will be eliminated by the new law...]

(b)

If the offense is a first offense under paragraph (a) of this subsection and is not for a tortious or illegal purpose or for purposes of direct or indirect commercial advantage or private commercial gain, and the wire or electronic communication with respect to which the offense under paragraph (a) is a radio communication that is not scrambled, encrypted, or transmitted using modulation techniques the essential parameters of which have been withheld from the public with the intention of preserving the privacy of such communication, then -

(i)

if the communication is not the radio portion of a cellular telephone communication, a cordless telephone communication that is transmitted between the cordless telephone handset and the base unit, a public land mobile radio service communication or a paging service communication, and the conduct is not that described in subsection (5), the offender shall be fined under this title or imprisoned not more than one year, or both; and

(ii)

if the communication is the radio portion of a cellular telephone communication, a cordless telephone communication that is transmitted between the cordless telephone handset and the base unit, a public land mobile radio service communication or a paging service communication, the offender shall be fined under this title.

What this does is change the penalty for the first offense of intercepting an unscrambled and unencrypted radio communication that is not supposed to be listened to (eg AMPS cellular calls, commercial pagers, cordless phones, common carrier communications) for hobby purposes (eg not a tortuous or illegal purpose or for direct or indirect commercial advantage or private commercial gain) from a misdemeanor (one year or less prison time) to a federal FELONY (5 years prison time).

And further this changes the status of the specific offense of listening to a cell call, cordless call, a pager, or a public land mobile radio service communication (eg a telephone interconnect) from a minor offense for which one can be fined a maximum of $500 to a federal FELONY for which one can be imprisoned for up to 5 years.

In effect this removes a safe harbor created during the negotiations over the ECPA back in 1985-86 which ensured that first offenses for hobby radio listening were only treated as minor crimes - after this law is passed simply intentionally tuning a common scanner to the (non-blocked) cordless phone frequencies could be prosecuted as a felony for which one could serve 5 years in jail.

And in case any of my readers have forgotten, a federal felony conviction (even without any jail time) deprives one of the right to vote, to own firearms, to be employed in a number of high level jobs and professions, to hold certain professional licenses and permits, and important for certain readers of these lists absolutely eliminates for life the possibility of holding any kind of security clearance whatever (a recent change in the rules) - something required for many if not most interesting government and government related jobs.

So merely being stopped by a cop with the cordless phone frequencies in your scanner could conceivably result in life long loss of important rights and privileges.

For some of you out there this may seem small potatoes and irrelevant since it merely changes the penalties for an already illegal act (which you are not supposed to be engaged in) and doesn't make anything new illegal.   But this is a rather naive view.

The federal government was certainly not going to prosecute a hobbyist for radio communications interception under the old version of the ECPA if the worst penalty that could be levied was a $500 fine - there simply is not the budget or the staff to prosecute people for what would be a very minor offense (equivalent of a speeding ticket).   And even prosecuting hobbyists for more serious interception (eg not cellular, cordless or pagers) was still a misdemeanor offense prosecution with jail time unlikely.

So in practice the only prosecutions were of people who clearly had a commercial purpose or otherwise engaged in egregious and public (eg the Newt call) conduct - no ever got prosecuted. And this was doubtless the intent of Congress back in 1985-86 - it would be illegal to monitor certain radio traffic but only a minor offense if you did so for hobby type personal curiosity or just to hack with the equipment or technology - and a serious felony if one engaged in such conduct for the purpose of committing a crime or gaining financial or commercial advantage (eg true spying or electronic eavesdropping).

But after this bill is signed into law (and clearly it will be), it will be quite possible for a federal prosecution of a hobbyist for illegal radio listening to be justified as a serious felony offense worth the time and effort and money to try and put in jail even if the offense is not for a commercial purpose or part of an illegal scheme. Thus "radio hacker" prosecutions have now become possible, and even perhaps probable.

And federal prosecutors and law enforcement agents get career advancement and attention from senior management in their agencies in direct proportion to the seriousness of the offense they are investigating and prosecuting - nobody ever advances to senior agent for going after jaywalkers, thus by raising the level of less than legal hobby radio monitoring offenses from a jaywalking class offense to a serious felony for which there can be real jail time it becomes much more interesting from a career perspective to prosecute radio .

And needless to say, such prosecutions would be shooting fish in a barrel type things given that many individuals are quite open on Internet newsgroups and mailing lists about their activities.

And of course this MAJOR change in the ECPA also has the effect of making the rather ambiguous and unclear meaning of "readily accessible to the general public" much more significant, since intercepting something that isn't readily accessible to the general public is now clearly a serious crime even if done for hobby purposes as a first offense.   Thus one has to be much more careful about making sure that the signal is a legal one...

And further than all of this, and perhaps even MUCH more significant to radio on Internet scanner lists ....

The careful, thoughtful reader will note that section 4 has been revised a bit lately, and that this new section 4 (see above) now makes it a federal felony with 5 years in jail penalties to violate section 1 INCLUDING the following provisions of section 1:

18 USC 2511:

(1)

Except as otherwise specifically provided in this chapter any person who -

(c)

intentionally discloses, or endeavors to disclose, to any other person the contents of any wire, oral, or electronic communication, knowing or having reason to know that the information was obtained through the interception of a wire, oral, or electronic communication in violation of this subsection;

(d)

intentionally uses, or endeavors to use, the contents of any wire, oral, or electronic communication, knowing or having reason to know that the information was obtained through the interception of a wire, oral, or electronic communication in violation of this subsection; or

shall be punished as provided in subsection (4) or shall be subject to suit as provided in subsection (5).

This seems to have changed the status of revealing as part of a hobby list any hint of the contents of a radio communications that might or might not have been legally intercepted from a potentially minor misdemeanor offense or less to a serious felony. Thus if a court finds that any communication reported on an Internet list was not legally intercepted, felony penalties apply for publishing the information even if the interception was for hobby purposes (which of course most scanner list intercepts are).

Most significant for many of us, the section 18 USC 2510 exceptions to the prohibitions on intercepting radio communications in 18 USC 2511 are pretty silent about military communications - not prohibited, or specifically allowed except as "governmental communications". So it is possible that military comms might be found to be illegal to intercept and thus passing around information about them a potential felony, even though of course the military has complete access to the world's best COMSEC technology and uses for anything sensitive. But in a paranoid age (post 9/11) anything goes... and if the government wants to go after scanner lists (like Milcom) it might now be able to do so with prosecutions with real teeth and jail time.

Thus the legal climate has fundamentally changed, and one can assume that since the Bush administration has been pushing for the passage of this bill that they perhaps intend to start prosecuting at least some category of radio under the new provisions - no doubt as an example meant to scare the rest of us into handing our radios in at the nearest police station...

So yet another blow to the radio hobbies.... and a big one indeed...

--

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541. [aprssig] Aftermarket HT Batteries - THANKS!

From: "Brian P. Mileshosky" <n5zgt@swcp.com>
Date: Tue, 16 Jul 2002 22:30:30 -0600
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-89725-2002.07.17-00.17.04--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Hi All,

Thank you all for your comments on who to deal with when buying aftermarket HT batteries. I really appreciate it!

73,
Brian, N5ZGT

____

Amateur Radio Station N5ZGT - N5ZGT PBBS, 145.01 MHz
ARRL Life Member, NorCal #1700 QRP-L #580 AK/QRP #125

Boy Scouts of America - Eagle Scout 12/6/96 - ASM, Troop 85
Vigil Honor Member, O.A. Lodge 66 Yah-Tah-Hey-Si-Kess

Please visit my site at http://www.unm.edu/~brianm
____

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542. [aprssig] RE: weather station

From: Ralph Milnes <milnes1@rcn.com>
Date: Wed, 17 Jul 2002 00:55:33 -0400
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: Eric Silvers <Eric.Silvers@dfrc.nasa.gov>
Message-ID: <LYR842-89727-2002.07.17-00.34.24--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

```
>Could somebody give me their configuration of their TNC if it is a KPC-3
>Plus and you are using
>it with a Peet Bros. Ultimeter 2000. Also, I am not using it with a GPS
>unit.

Hi Eric,

I'm in digest mode, so I don't know if anyone else has responded. If not,
let me know and I'll send along my settings.

73,

Ralph KC2RLM
KC2RLM-1 WX Chatham NJ




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543. [aprssig] Re: Radio Felonies?

From: "Doug Younker" <dougy@ruraltel.net>
Date: Wed, 17 Jul 2002 01:46:12 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-89732-2002.07.17-02.36.53--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

```
Personally I found the forward by Bob contains too much personal editorial
material for me to depend on it, just the facts jack.  A good article on
this topic would include pertinent text from the bill along with text of
being delete or modified in current codification of Federal law. Better
still it would present the text of the law as modified.-73
Doug, N0LKK
 dougy@ruraltel.net




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```

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544. [aprssig] Re: Emergency Protocol?

From: KC7ZRU - Tate <kc7zru@arrl.net>
Date: Tue, 16 Jul 2002 13:06:57 -0600
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: TAPR APRS Special Interest Group <aprssig@lists.tapr.org>
Message-ID: <LYR842-89734-2002.07.17-03.05.55--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

```
I've never heard of such a "test protocol" - good idea though!

One way may be to coordinate with another station, on another frequency.
Do the test off of 144.390 with one other station listening and
reporting back what they receive. Should do the trick for ya

73

tvsjr@sprynet.com wrote:
>
> What is the procedure for sending out "test" emergency packets?

--
              Casper, WY    |    CARC Repeater
                DN62tt      |      146.940
        "The Dungeon" online at http://go.to/kc7zru
            "RTFM" is NOT a 'four letter' word!

---
```

```
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545. [aprssig] Re: Emergency Protocol?

From: tvsjr <tvsjr@sprynet.com>
Date: Wed, 17 Jul 2002 06:24:39 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: TAPR APRS Special Interest Group <aprssig@lists.tapr.org>
Message-ID: <LYR842-89747-2002.07.17-07.01.56--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

```
My main goal is to ensure that the radio actually sends out the right
packets, on the right frequency. If I try to set it up on a different
frequency, then it adds one more variable that could be wrong if and when I
ever want to use the emergency mode...

At 01:06 PM 07/16/2002 -0600, KC7ZRU - Tate wrote:
>I've never heard of such a "test protocol" - good idea though!
>
>One way may be to coordinate with another station, on another frequency.
>Do the test off of 144.390 with one other station listening and
>reporting back what they receive. Should do the trick for ya
>
>73
>
>tvsjr@sprynet.com wrote:
> >
> > What is the procedure for sending out "test" emergency packets?
>
>--
>               Casper, WY    |    CARC Repeater
>                 DN62tt      |      146.940
>         "The Dungeon" online at http://go.to/kc7zru
>             "RTFM" is NOT a 'four letter' word!
>
>---
>You are currently subscribed to aprssig as: tvsjr@sprynet.com
>To unsubscribe send a blank email to leave-aprssig-842K@lists.tapr.org
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```

546. [aprssig] Re: Emergency Protocol?

From: "Ronald Reams" <wa4mjf@worldnet.att.net>
Date: Wed, 17 Jul 2002 08:01:34 -0400
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-89748-2002.07.17-07.40.40--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

```
Probably not, 'cause if there is no problem with the RF
portion of the radio, then it will send what ever the
TNC tells it to on what ever frequncy 73 de Ronnie


----- Original Message -----
From: "tvsjr" <tvsjr@sprynet.com>
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Sent: Wednesday, July 17, 2002 07:24
Subject: [aprssig] Re: Emergency Protocol?


My main goal is to ensure that the radio actually sends out the right
packets, on the right frequency. If I try to set it up on a different
frequency, then it adds one more variable that could be wrong if and when I
ever want to use the emergency mode...

At 01:06 PM 07/16/2002 -0600, KC7ZRU - Tate wrote:
>I've never heard of such a "test protocol" - good idea though!
>
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>Do the test off of 144.390 with one other station listening and
>reporting back what they receive. Should do the trick for ya
```

```
>
>73
>
>tvsjr@sprynet.com wrote:
> >
> > What is the procedure for sending out "test" emergency packets?
>
>--
>               Casper, WY    |    CARC Repeater
>                 DN62tt      |      146.940
>         "The Dungeon" online at http://go.to/kc7zru
>             "RTFM" is NOT a 'four letter' word!
>
>---
```

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547. [aprssig] Re: Emergency Protocol?

From: "W5JSR" <w5jsr@arrl.net>
Date: Wed, 17 Jul 2002 07:09:02 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-89749-2002.07.17-07.47.30--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Why don't we just set a time a date for everyone to test the Emergency
capabilities of APRS?

73 de Scott, W5JSR

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548. [aprssig] Re: Radio Felonies?

From: Bob Bruninga <bruninga@usna.edu>
Date: Wed, 17 Jul 2002 08:47:23 -0400 (EDT)
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: TAPR APRS Special Interest Group <aprssig@lists.tapr.org>
Message-ID: <LYR842-89751-2002.07.17-08.25.54--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

On Tue, 16 Jul 2002, Mike Yetsko wrote:

> In other words, if it's a standard signal broadcast through the air using
> readily published modulation standards, then this law should NOT apply.
> This law should NOT be automatically assumed to be a blanket
> prohibition against receiving broadcast transmissions.

Ah, but can you afford the lawyers to convince a non technical jury?
Being right means practically nothing in our legal system. Simply being
charged with having a "radio" that can SPY on things would be enough to
ruin your life..

As our society continues down the path of consumerism, and off the shelf
gizmos, with few people really understanding how it all works, we get to
the point that the only "correct" way to live is the way the advertisers
want you to live. That is, if you have a "wireless phone", or a Garage
door opener, or a cell phone, or a wireless LAN card, or a Satellite TV
receiver, or a BOOM box, or Stereo, or remote controlled Air Conditioner,
or any of dozens and dozens of products, then the public EXPECTS that such
device should ALWAYS work as advertized irregardless to the invisible RF
environment into which it is placed..

And anything that uses the RF spectrum in a way NOT INTENDED by the
advertiser, must be by definition, a subversive element in society that
must be brought to justice. Especially if such individual does not match
Vorizon's image of middle class heaven...

The RF spectrum is a very complex environment. RF engineers, and HAMS
know differently.. but that knowledge and $2.95 will at most get you a
cup of coffee..

Im not totally serious here.... but... it does make one wonder where the
RF spectrum is heading... and we will LOSE no matter how it goes...

de WB4APR, Bob

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549. [aprssig] Re: Radio Felonies?

From: "Mike Yetsko" <myetsko@insydesw.com>
Date: Wed, 17 Jul 2002 08:49:01 -0400
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-89752-2002.07.17-08.30.45--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

----- Original Message -----
From: "Bob Bruninga" <bruninga@usna.edu>

> On Tue, 16 Jul 2002, Mike Yetsko wrote:
>
> > In other words, if it's a standard signal broadcast through the air
using
> > readily published modulation standards, then this law should NOT
apply.
> > This law should NOT be automatically assumed to be a blanket
> > prohibition against receiving broadcast transmissions.
>
> Ah, but can you afford the lawyers to convince a non technical jury?
> Being right means practically nothing in our legal system. Simply being
> *charged* with having a "radio" that can SPY on things would be enough
to
> ruin your life..
>
> de WB4APR, Bob

I may be mistaken... In fact, I'm PROBABLY mistaken, but that's another
story... But I believe that 'definition' comes from already enacted law.
And what I may be mistaken about would be the communication act of
198x (whatever it was) that outlawed cellular snooping. I wouldn't be
surprised that it was just a 'cut and paste'.

Mike

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Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

550. [aprssig] Re: Emergency Protocol?

From: <tvsjr@sprynet.com>
Date: Wed, 17 Jul 2002 09:22:30 -0400
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: TAPR APRS Special Interest Group <aprssig@lists.tapr.org>
Message-ID: <LYR842-89753-2002.07.17-09.01.00--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Not a bad idea.

Some comparable devices:

Air raid sirens - usually the first X day of every month.

ELTs - the first five minutes of every hour for a period of no greater than 3
sweeps.

Perhaps the first five minutes of every hour with a packet count not to exceed
10?

Bob, any thoughts?

Terry

On Wed, 17 Jul 2002 07:09:02 -0500 W5JSR <w5jsr@arrl.net> wrote:

Why don't we just set a time a date for everyone to test the Emergency

capabilities of APRS?

73 de Scott, W5JSR

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Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

---
You are currently subscribed to aprssig as: lyris.aprssig@tapr.org
To unsubscribe send a blank email to leave-aprssig-842K@lists.tapr.org
Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

---

551. [aprssig] Filter for TCP incoming

From: "Hambuchen, Bob" <BHambuchen@littlerock.state.ar.us>
Date: Wed, 17 Jul 2002 10:02:28 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-89762-2002.07.17-10.41.10--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Does anybody know a way to filter the incoming TCP traffic in some way in
WinAPRS ? When I open TCP, the station list fills within minutes to its
maximum of 4096 stations, even if the Station Time Out is set to .5 minutes.
I would like to filter, based upon distance from my home station, or at
least by
station type. Currently using WinAPRS ver 2.5.1, as I don't like 2.6.1's
square
map.

Thanks,
Bob

You are currently subscribed to aprssig as: lyris.aprssig@tapr.org
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Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

---

552. [aprssig] RE: Emergency Protocol?

From: "W1SAR" <w1sar@searcher.org>
Date: Wed, 17 Jul 2002 08:05:29 -0700
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-89763-2002.07.17-10.44.13--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

There was extensive discussion on this subject during the recent military
'tests' of a distress message sent via APRS.   I believe the general
consensus was that every packet should include TEST test in the text.

The 'down' side of this was that some systems separated the text from the
remainder. For more details take a look at the archives from about six
weeks ago.

'This is a test' or 'This is a drill' is common to those of us in the EMCOMM field - it is acceptable to make limited tests providing the test is announced in the same format and at the same as the distress message.

I am left wondering why you need to establish a PM in Emergency mode, though - use of this mode should be exceptional, and the D700 includes an acknowledgement step to verify that you want to broadcast in emergency mode. I use a D700 in an ERV, and on the sole occasion that I used the emergency mode (on scene, on my own, in a remote location, no 2M contact, no cell phone contact, no public service radio contact, at a vehicle roll-over with children trapped) the best response I got was an email three days later asking how I was.

My view on this (as a police officer, firefighter & emt, County RACES officer) is that the emergency mode should be used to warn other locals of an emergency scene in the area, and not as a 'call for help', much the same way as some radar detectors now have 'safety messages' warning of accidents etc.

Drew Witham W1SAR
Shasta County Emergency Coordinator
ARES / RACES / CDF-VIP

http://www.scares.org

> -----Original Message-----
> From: bounce-aprssig-15695@lists.tapr.org
> [mailto:bounce-aprssig-15695@lists.tapr.org]On Behalf Of
> tvsjr@sprynet.com
> Sent: Tuesday, July 16, 2002 11:54 AM
> To: TAPR APRS Special Interest Group
> Subject: [aprssig] Emergency Protocol?
>
>
> What is the procedure for sending out "test" emergency packets?
> For instance,
> I want to configure one of the PMs in my Kenwood D700 for Emergency with a
> high beacon rate. However, to make sure that this works, I will
> end up sending
> some emergency packets. How do I ensure that all recipients
> understand that
> these are test messages only? I can place a message in the packet, send a
> message to all, send a message over the APRSSig, etc. Any suggestions?

You are currently subscribed to aprssig as: lyris.aprssig@tapr.org
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Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

---

553. [aprssig] RE: Filter for TCP incoming

From: Bill Diaz <william.diaz@attbi.com>
Date: Wed, 17 Jul 2002 10:23:00 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-89764-2002.07.17-11.03.49--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Bob,

On Wednesday, July 17, 2002 10:02, Hambuchen, Bob
[SMTP:BHambuchen@littlerock.state.ar.us] wrote:
>
>
> Does anybody know a way to filter the incoming TCP traffic in some way in
> WinAPRS ? When I open TCP, the station list fills within minutes to its
> maximum of 4096 stations, even if the Station Time Out is set to .5
minutes.
> I would like to filter, based upon distance from my home station, or at
> least by
> station type. Currently using WinAPRS ver 2.5.1, as I don't like 2.6.1's
> square
> map.

AFilter provides a filtered TCP/IP stream. You can configure it to only display stations within a radius of a specified, Lat, Lon and more. It can be downloaded from http://www.wa6oft.com/dnld.htm

```
Bill KC9XG
> Thanks,
> Bob
>
> ---
> You are currently subscribed to aprssig as: kc9xg@attbi.com
> To unsubscribe send a blank email to leave-aprssig-842K@lists.tapr.org
> Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org
>
>

---
You are currently subscribed to aprssig as: lyris.aprssig@tapr.org
To unsubscribe send a blank email to leave-aprssig-842K@lists.tapr.org
Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org
```

554. [aprssig] KC8QQF Emergency beacon

From: John Kraus <jfkraus3@cox.net>
Date: Wed, 17 Jul 2002 11:25:59 -0400
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-89765-2002.07.17-11.04.12--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

```
I am getting an emergency beacon from KC8QQF near Dayton.  See the link
below.  I sent a Query but have not seen a reply.  Here is a good chance to
test response capability. Anyone near Dayton?

http://www.findu.com/cgi-bin/emergency.cgi

---
You are currently subscribed to aprssig as: lyris.aprssig@tapr.org
To unsubscribe send a blank email to leave-aprssig-842K@lists.tapr.org
Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org
```

555. [aprssig] Re: KC8QQF Emergency beacon

From: "" <ka0azs@commkey.net>
Date: Wed, 17 Jul 2002 12:12:49 -0400
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-89780-2002.07.17-11.51.24--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

```
John and the group

  Just saw this.  Last position on the Emergency Page 19 1/2 hours ago, FINDU for KC8QQF shows a
position in the last few minutes.

I'm at work with no RF or Long Distance phone capability, I've e-mailed a couple of folks in the area of
 the beacon and will try to see if I can get someone locally to come up on RF and see if they can
resolve this.

----- Original Message -----
From: John Kraus
Sent: 7/17/2002 11:25:59 AM
To: aprssig@lists.tapr.org
Subject: [aprssig] KC8QQF Emergency beacon

> I am getting an emergency beacon from KC8QQF near Dayton.  See the link
> below.  I sent a Query but have not seen a reply.  Here is a good chance to
> test response capability. Anyone near Dayton?
>
> http://www.findu.com/cgi-bin/emergency.cgi
>
> ---
> You are currently subscribed to aprssig as: ka0azs@commkey.net
> To unsubscribe send a blank email to leave-aprssig-12994I@lists.tapr.org
> Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org
>


---
You are currently subscribed to aprssig as: lyris.aprssig@tapr.org
To unsubscribe send a blank email to leave-aprssig-842K@lists.tapr.org
Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org
```

556. [aprssig] Re: Emergency Protocol?

From: "" <ka0azs@commkey.net>
Date: Wed, 17 Jul 2002 12:21:29 -0400

To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-89782-2002.07.17-11.59.56--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

How about during the ARRL Simulated Emergency Test (SET) in October?

----- Original Message -----
From: W5JSR
Sent: 7/17/2002 8:09:02 AM
To: aprssig@lists.tapr.org
Subject: [aprssig] Re: Emergency Protocol?

> Why don't we just set a time a date for everyone to test the Emergency
> capabilities of APRS?
>
> 73 de Scott, W5JSR

You are currently subscribed to aprssig as: lyris.aprssig@tapr.org
To unsubscribe send a blank email to leave-aprssig-842K@lists.tapr.org
Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

557. [aprssig] Re: KC8QQF Emergency beacon

From: Robbie <mwrobertson@attbi.com>
Date: Wed, 17 Jul 2002 11:44:40 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: TAPR APRS Special Interest Group <aprssig@lists.tapr.org>
Message-ID: <LYR842-89784-2002.07.17-12.22.58--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

I seem to be missing something here.. I am not decoding an
"Emergency" with the Mic-E APRSdecoder, but rather a Message=
/M5/Special

Why is the Emergency page listing it as an Emergency? Someone
straighten me out please, :-)

Robbie, wa9inf

ka0azs@commkey.net wrote:
>
> John and the group
>
>   Just saw this. Last position on the Emergency Page 19 1/2 hours ago, FINDU for KC8QQF shows a position in the last few minutes.
>
> I'm at work with no RF or Long Distance phone capability, I've e-mailed a couple of folks in the area of the beacon and will try to see if I can get someone locally to come up on RF and see if they can resolve this.
>
> ----- Original Message -----
> From: John Kraus
> Sent: 7/17/2002 11:25:59 AM
> To: aprssig@lists.tapr.org
> Subject: [aprssig] KC8QQF Emergency beacon
>
> > I am getting an emergency beacon from KC8QQF near Dayton. See the link
> > below. I sent a Query but have not seen a reply. Here is a good chance to
> > test response capability. Anyone near Dayton?
> >
> > http://www.findu.com/cgi-bin/emergency.cgi
> >
> > ---
> > You are currently subscribed to aprssig as: ka0azs@commkey.net
> > To unsubscribe send a blank email to leave-aprssig-842K@lists.tapr.org
> > Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org
> >
>
> ---
> You are currently subscribed to aprssig as: mwrobertson@attbi.com
> To unsubscribe send a blank email to leave-aprssig-842K@lists.tapr.org
> Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

---
You are currently subscribed to aprssig as: lyris.aprssig@tapr.org
To unsubscribe send a blank email to leave-aprssig-842K@lists.tapr.org
Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

558. [aprssig] Re: KC8QQF Emergency beacon

From: "" <ka0azs@commkey.net>
Date: Wed, 17 Jul 2002 12:50:35 -0400
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-89785-2002.07.17-12.29.06--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

I'm just speculating without enough infomration (i.e., do you mean that you've copied one of his recent packets and it decoded that way?) My guess is that since the time heard on the Emergency Page is almost 20 hours old right now is that this was an isolated event, and what you are hearing or seeing on FINDU.COM right now is his current settings.

Haven't heard anything from anyone I've pinged, but my guess is that this was a mistake,or, if there was some sort of emergency, it's long over by now, but I will continue follow up just to make sure.

----- Original Message -----
From: Robbie

> I seem to be missing something here.. I am not decoding an
> "Emergency" with the Mic-E APRSdecoder, but rather a Message=
> /M5/Special
>
> Why is the Emergency page listing it as an Emergency? Someone
> straighten me out please, :-)
>
> Robbie, wa9inf
>

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Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

559. [aprssig] Re: KC8QQF Emergency beacon

From: Robbie <mwrobertson@attbi.com>
Date: Wed, 17 Jul 2002 12:04:14 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: TAPR APRS Special Interest Group <aprssig@lists.tapr.org>
Message-ID: <LYR842-89787-2002.07.17-12.42.32--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

I copied and pasted the raw data from the Emergency Page displayed
by Findu.com and let the APRSdec.exe decode it. I think the time
elasped had been on 3 or 4 minutes! So it is current...

Robbie, wa9inf

ka0azs@commkey.net wrote:
>
> I'm just speculating without enough infomration (i.e., do you mean that you've copied one of his recent packets and it decoded that way?) My guess is that since the time heard on the Emergency Page is almost 20 hours old right now is that this was an isolated event, and what you are hearing or seeing on FINDU.COM right now is his current settings.
>
> Haven't heard anything from anyone I've pinged, but my guess is that this was a mistake,or, if there was some sort of emergency, it's long over by now, but I will continue follow up just to make sure.
>
> ----- Original Message -----
> From: Robbie
>
> > I seem to be missing something here.. I am not decoding an
> > "Emergency" with the Mic-E APRSdecoder, but rather a Message=
> > /M5/Special
> >
> > Why is the Emergency page listing it as an Emergency? Someone
> > straighten me out please, :-)
> >
> > Robbie, wa9inf
> >

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Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

560. [aprssig] Re: KC8QQF Emergency beacon

From: "Curt Mills, WE7U" <hacker@tc.fluke.com>
Date: Wed, 17 Jul 2002 10:11:21 -0700 (PDT)
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: TAPR APRS Special Interest Group <aprssig@lists.tapr.org>
Message-ID: <LYR842-89788-2002.07.17-12.49.48--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

```
On Wed, 17 Jul 2002, Robbie wrote:

> I copied and pasted the raw data from the Emergency Page displayed
> by Findu.com and let the APRSdec.exe decode it. I think the time
> elasped had been on 3 or 4 minutes!  So it is current...

I'm getting the same here near Seattle with Xastir on the internet
feeds.  It decodes as "Special", and I've received no other type of
packet from that station in 5 days, 16 hours of uptime connected to
the same feeds.

Curt Mills, WE7U                         hacker.NO_*SPAM@tc.fluke.com
Senior Methods Engineer/SysAdmin
"Lotto:    A tax on people who are bad at math." -- unknown
"Windows:  Microsoft's tax on computer illiterates." -- WE7U



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```

---

561. [aprssig] Re: KC8QQF Emergency beacon

From: Robbie <mwrobertson@attbi.com>
Date: Wed, 17 Jul 2002 12:18:20 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: TAPR APRS Special Interest Group <aprssig@lists.tapr.org>
Message-ID: <LYR842-89789-2002.07.17-12.56.38--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

```
After decoding the last 24 hours of this station's beacons, it
appears there isn't and hasn't been any "Emergency" beacon
transmitted...

The D700 _will_ cause APRS monitors to "Highlight" thier Icon with a
beacon of Priority, Special, or Emergency.. It would seem this
station may be a newbee and is not aware of his settings and is
learning as we all do, :-) At least he didn't actually set it as an
Emerceny after all....

Robbie,  wa9inf


ka0azs@commkey.net wrote:
>
> I'm just speculating without enough infomration (i.e., do you mean that you've copied one of his
recent packets and it decoded that way?)  My guess is that since the time heard on the Emergency Page is
 almost 20 hours old right now is that this was an isolated event, and what you are hearing or seeing on
 FINDU.COM right now is his current settings.
>
> Haven't heard anything from anyone I've pinged, but my guess is that this was a mistake,or, if there
was some sort of emergency, it's long over by now,  but I will continue follow up just to make sure.
>
> ----- Original Message -----
> From: Robbie
>
> > I seem to be missing something here.. I am not decoding an
> > "Emergency" with the Mic-E APRSdecoder, but rather a Message=
> > /M5/Special
> >
> > Why is the Emergency page listing it as an Emergency? Someone
> > straighten me out please, :-)
> >
> > Robbie,  wa9inf
> >
>
> ---
> You are currently subscribed to aprssig as: mwrobertson@attbi.com
> To unsubscribe send a blank email to leave-aprssig-842K@lists.tapr.org
> Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org
```

You are currently subscribed to aprssig as: lyris.aprssig@tapr.org
To unsubscribe send a blank email to leave-aprssig-842K@lists.tapr.org
Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

562. [aprssig] Re: KC8QQF Emergency beacon

From: Bill Diaz <william.diaz@attbi.com>
Date: Wed, 17 Jul 2002 12:24:28 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-89790-2002.07.17-13.05.26--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

I noticed that KC81QF is reporting the same position as KC8QQF. Seems to
be a mangled call. If the call sign can get mangled so can the status.
Both packets appear to have been gated by WB8WNQ.

According to FindU there are what appears to be a number of mangled calls
coming from this same area. Try
http://www.findu.com/cgi-bin/near.cgi?call=KC81QF and then look for
multiple stations at the same distance from KC81QF

I noticed a similar occurence near Minneapolis, MN in the last few days.
Either there is a defective application causing this problem or a TNC
setup problem is appearing in multiple locations.

Bill KC9XG

On Wednesday, July 17, 2002 12:11, Curt Mills, WE7U
[SMTP:hacker@tc.fluke.com] wrote:
> On Wed, 17 Jul 2002, Robbie wrote:
>
> > I copied and pasted the raw data from the Emergency Page displayed
> > by Findu.com and let the APRSdec.exe decode it. I think the time
> > elasped had been on 3 or 4 minutes! So it is current...
>
> I'm getting the same here near Seattle with Xastir on the internet
> feeds. It decodes as "Special", and I've received no other type of
> packet from that station in 5 days, 16 hours of uptime connected to
> the same feeds.
>
> Curt Mills, WE7U   hacker.NO_*SPAM@tc.fluke.com
> Senior Methods Engineer/SysAdmin
> "Lotto: A tax on people who are bad at math." -- unknown
> "Windows: Microsoft's tax on computer illiterates." -- WE7U
>
>
> ---
> You are currently subscribed to aprssig as: kc9xg@attbi.com
> To unsubscribe send a blank email to leave-aprssig-842K@lists.tapr.org
> Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

---
You are currently subscribed to aprssig as: lyris.aprssig@tapr.org
To unsubscribe send a blank email to leave-aprssig-842K@lists.tapr.org
Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

563. [aprssig] Re: KC8QQF Emergency beacon

From: "Brent Hildebrand" <bhildebrand@earthlink.net>
Date: Wed, 17 Jul 2002 10:44:49 -0700
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-89792-2002.07.17-13.25.52--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

See: http://4.46.81.200/lookup.apl?callsign=KC8QQF&range=20&Submit=Near
There is no callsign filtering on for back characters. You will see a very
large number of mangles callsigns near KC8QQF. Why? Does a digi or other
TNC in this area have PASSALL turned on? Brent KH2Z

----- Original Message -----
From: "Bill Diaz" <william.diaz@attbi.com>
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Sent: Wednesday, July 17, 2002 10:24 AM
Subject: [aprssig] Re: KC8QQF Emergency beacon

> I noticed that KC81QF is reporting the same position as KC8QQF. Seems to
> be a mangled call. If the call sign can get mangled so can the status.
> Both packets appear to have been gated by WB8WNQ.
>

```
> According to FindU there are what appears to be a number of mangled calls
> coming from this same area.  Try
> http://www.findu.com/cgi-bin/near.cgi?call=KC81QF and then look for
> multiple stations at the same distance from KC81QF
>
> I noticed a similar occurence near Minneapolis, MN in the last few days.
>  Either there is a defective application causing this problem or a TNC
> setup problem is appearing in multiple locations.
>
> Bill KC9XG
>
> On Wednesday, July 17, 2002 12:11, Curt Mills, WE7U
> [SMTP:hacker@tc.fluke.com] wrote:
> > On Wed, 17 Jul 2002, Robbie wrote:
> >
> > > I copied and pasted the raw data from the Emergency Page displayed
> > > by Findu.com and let the APRSdec.exe decode it. I think the time
> > > elasped had been on 3 or 4 minutes!  So it is current...
> >
> > I'm getting the same here near Seattle with Xastir on the internet
> > feeds.  It decodes as "Special", and I've received no other type of
> > packet from that station in 5 days, 16 hours of uptime connected to
> > the same feeds.
> >
> > Curt Mills, WE7U                         hacker.NO_*SPAM@tc.fluke.com
> > Senior Methods Engineer/SysAdmin
> > "Lotto:    A tax on people who are bad at math." -- unknown
> > "Windows:  Microsoft's tax on computer illiterates." -- WE7U
> >
> >
> > ---
> > You are currently subscribed to aprssig as: kc9xg@attbi.com
> > To unsubscribe send a blank email to leave-aprssig-842K@lists.tapr.org
> > Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org
>
> ---
> You are currently subscribed to aprssig as: b.hildebrand@verizon.net
> To unsubscribe send a blank email to leave-aprssig-842K@lists.tapr.org
> Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org
>
>



---
You are currently subscribed to aprssig as: lyris.aprssig@tapr.org
To unsubscribe send a blank email to leave-aprssig-842K@lists.tapr.org
Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org
```

---

564. [aprssig] RE: weather station

From: "Spider" <spider@rivcom.net>
Date: Wed, 17 Jul 2002 11:47:50 -0700
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: "Eric Silvers" <Eric.Silvers@dfrc.nasa.gov>
Message-ID: <LYR842-89799-2002.07.17-14.26.30--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

```
check out www.wa6oft.com   look for the peet bros kpc3+ link

Jim


----- Original Message -----
From: "Ralph Milnes" <milnes1@rcn.com>
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: "Eric Silvers" <Eric.Silvers@dfrc.nasa.gov>
Sent: Tuesday, July 16, 2002 9:55 PM
Subject: [aprssig] RE: weather station


>
> >Could somebody give me their configuration of their TNC if it is a KPC-3
> >Plus and you are using
> >it with a Peet Bros. Ultimeter 2000. Also, I am not using it with a GPS
> >unit.
>
> Hi Eric,
>
> I'm in digest mode, so I don't know if anyone else has responded. If not,
```

> let me know and I'll send along my settings.
>
> 73,
>
> Ralph KC2RLM
> KC2RLM-1 WX Chatham NJ
>
>
>
> ---
> You are currently subscribed to aprssig as: spider@rivcom.net
> To unsubscribe send a blank email to leave-aprssig-842K@lists.tapr.org
> Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org
>
>
>

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565. [aprssig] Re: Radio Felonies?

From: "Brandon Cole" <brandonacole@yahoo.com>
Date: Wed, 17 Jul 2002 14:5:25
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-89801-2002.07.17-14.43.53--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

We are losing all sorts of freedoms these days, so it doesn't suprise me that they will slowly start to come after our hobby. How would such a law be enforced? It seems unlikely, for now, that the FCC will place an agent in every home to make sure there is no monitoring of the forbidden frequencies. What does seem likely is that future tranceivers and receivers will not have any wideband receive capability, even though the current models can't legally receive the cellular portions of the 800 MHz band anyway. Even worse would be the banning of anything that could receive or be modified to receive what it is not supposed to. If it was already a misdemeanor to listen in on this stuff, then why aren't the products already regulated? The only logical motivation to enact this legislation, that I can think of, is to keep the terrorists from listening in on our law enforcement and emergency reaction infrastructure. It can't be to ensure cell phone users' privacy, since the government has already thrown that out the window. Based on current and furture laws like this, one can only come to the conclusion that the government believes the general public can't be trusted and must be restricted in any way necessary to support public safety. Just one more thing to add to the list...

Brandon
AD5ER

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566. [aprssig] Re: Congress votes to make interception of cell and cordless a felony

From: "Bob K8YS & Janet N8LBR" <jbcraft@adelphia.net>
Date: Wed, 17 Jul 2002 15:57:34 -0400
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-89806-2002.07.17-15.40.21--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

strange that there is talk to have civilian spies -- watching for unusual activities and reporting them to FEMA --- but now to make it a felony to listen to open trransmitted communicatons flys in the face of the current hightened security concerns.

Bob

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567. [aprssig] Speech for old DOS PC's

From: Bob Bruninga <bruninga@usna.edu>
Date: Wed, 17 Jul 2002 16:03:31 -0400 (EDT)
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-89808-2002.07.17-15.43.51--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

```
To get my APRS to speak on an old 25 MHz DOS laptop, I added 8 resistors
to the LPT1 port and now have a voice capability.  To facilitate this
process, I wrote a little general purpose BASIC program to help you
manipulate it.  ftp://tapr.org/aprssig/dosstuff/APRSdos/wavetest.zip

You record a WAVE file  on any modern machine and then WAVETEST.EXE
will let you play it back, spell words, and VIEW the waveform so that you
can index individual syllables and words.  I know its kind-of retro, but
with so many old DOS PC's laying around and so many things that can be
done, I thought someone else might have a use for it... since 8 resistors
can be added to ANY PC to give it a voice...

de WB4APR@amsat.org, Bob

PCsat WEB  page     http://www.ew.usna.edu/~bruninga/pcsat.html
ISS-APRS FAQ:       http://www.ew.usna.edu/~bruninga/iss-faq.html
CUBESAT Designs     http://www.ew.usna.edu/~bruninga/cubesat.html
APRS LIVE pages     http://www.ew.usna.edu/~bruninga/aprs.html
APRS SATELLITES     http://www.ew.usna.edu/~bruninga/astars.html
MIM/Mic-E/Mic-Lite  http://www.toad.net/~wclement/bruninga/mic-lite.html


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```

568. [aprssig] Re: Congress votes to make interception of cell and cordless a felony

From: "Mike Yetsko" <myetsko@insydesw.com>
Date: Wed, 17 Jul 2002 16:05:33 -0400
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-89810-2002.07.17-15.48.54--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

```
> strange that there is talk to have civilian spies -- watching for
unusual
> activities and reporting them to FEMA --- but now to make it a felony to
> listen to open trransmitted communicatons flys in the face of the
current
> hightened security concerns.
>
> Bob

READ the law, or the proposed law.

That is NOT what it says.

Geesh!!!!

Mike




---
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```

569. [aprssig] International Space Station Traffic - Captured in Brisbane

From: "Andrew Rich" <andrew.rich@bigpond.com>
Date: Thu, 18 Jul 2002 06:30:11 +1000
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-89811-2002.07.17-16.08.48--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

```
Break down of callsigns:-

VK2 = NSW
```

ZL1 = New Zealand
ZL2 = New Zealand
ZL4 = New Zealand
RS0 = International Space Station

Freq 145.800 1200 Baud AFSK

```
VK2TFG>CQ,RS0ISS*:Geoff @ 37.89S/144.62E
VK2TFG>CQ,RS0ISS*:
VK2TFG>CQ,RS0ISS*:Geoff @ 37.89S/144.62E
ZL1VDB>CQ,RS0ISS*,SGATE:=3459.30S/17331.31EC Dave Pointy End NZ.Hi one & All +VKs
RS0ISS>VK3JCW:Subject:
RS0ISS>VK3JCW:Subject:
ZL1VDB>CQ,RS0ISS*,SGATE:=3459.30S/17331.31EC Dave Pointy End NZ.Hi one & All +VKs
ZL2VAL>APU16N,RS0ISS*,SGATE:=3903.39S/17406.40E-_Alan's at home in New Plymouth {UIV23}
RS0ISS>VK3JCW:Subject:
ZL2TE>APU16K,RS0ISS*,SGATE:=3901.73S/17409.13Eysid zl2te in newplymouth nz {UIV23}
RS0ISS>VK3JCW:Subject:
RS0ISS>VK3JCW:Subject:
ZL2VAL>APU16N,RS0ISS*::ZL2TE    :There's another one..{39
ZL2VAL>APU16N,RS0ISS*,SGATE:>150928z_Hiya OZ, how's it going?? de Alan  zl2val@qsl.net
ZL2VAL>APU16N,RS0ISS*,SGATE:=3903.39S/17406.40E-_Alan's at home in New Plymouth {UIV23}
RS0ISS>VK3JCW:Subject:
RS0ISS>VK3JCW:Message:
ZL2TE>APU16K,RS0ISS*:yep looks like it
ZL1VDB>CQ,RS0ISS*,SGATE:=3459.30S/17331.31EC Dave Pointy End NZ.Hi one & All +VKs
ZL2VAL>APU16N,RS0ISS*,SGATE:>150928z_Hiya OZ, how's it going?? de Alan  zl2val@qsl.net
RS0ISS>CQ:ARISS - INNTERNATIONAL SPACE STATION
RS0ISS>VK3JCW:Message saved as Msg # 1037
RS0ISS>VK3JCW:CMD(B/H/J/K/KM/L/M/R/S/SB/SP/ST/SR/V/?)>
ZL2VAL>APU16N,RS0ISS*::ZL1VDB   :Blimmin system's a bummer, in't it{67
ZL1VDB>CQ,RS0ISS*,SGATE:=3459.30S/17331.31EC Dave Pointy End NZ.Hi one & All +VKs
ZL2VAL>APU16N,RS0ISS*::ZL1VDB   :Blimmin system's a bummer, in't it{67
ZL2VAL>APU16N,RS0ISS*,SGATE:>150934z_Bon Jour New Caledonia, anybody home? zl2val@qsl.net
16/07/02 10:27 RS0ISS>CQ:ARISS - INNTERNATIONAL SPACE STATION
16/07/02 12:04 RS0ISS>VK2BH:on board the International Space Station
16/07/02 12:04 RS0ISS>VK2BH:CMD(B/H/J/K/KM/L/M/R/S/SB/SP/ST/SR/V/?)>
16/07/02 12:04 RS0ISS>VK2BH:CMD(B/H/J/K/KM/L/M/R/S/SB/SP/ST/SR/V/?)>
16/07/02 12:05 RS0ISS>VK2BH:B(ye)     B [CR] disconnects you from PMS.
16/07/02 12:05 RS0ISS>VK2BH:H(elp)    H [CR] or ? [CR] displays this help file.
16/07/02 12:05 RS0ISS>VK2BH:J(log)    J [CR] displays a list of callsigns heard (optional date/time)
16/07/02 12:05 RS0ISS>VK2BH:K(ill)    K n [CR] deletes message number n  (only to/from your callsign).
16/07/02 12:05 RS0ISS>VK2BH:K(ill)    K n [CR] deletes message number n  (only to/from your callsign).
16/07/02 12:05 RS0ISS>VK2BH:KM(ine)   KM[CR] deletes all READ messages addressed to your call sign.
16/07/02 12:05 RS0ISS>VK2BH:L(ist)    L [CR] lists the 10 latest messages.
16/07/02 12:05 RS0ISS>VK2BH:M(ine)    M [CR] lists the 10 latest messages to/from your callsign.
16/07/02 12:05 RS0ISS>VK2BH:R(ead)    R n [CR] reads message number n.
16/07/02 12:05 RS0ISS>VK2BH:S(end)    S (callsign) [CR] begins a message addressed  to (callsign).
16/07/02 12:05 RS0ISS>VK2BH:SB        Sends Bulletin
16/07/02 12:05 RS0ISS>VK2BH:SP        Sends Personal
16/07/02 12:05 RS0ISS>VK2BH:ST        Sends Traffic
16/07/02 12:05 RS0ISS>VK2BH:          Subject: ending with [CR].
16/07/02 12:05 RS0ISS>VK2BH:          Text: End each line with [CR]. End message by
16/07/02 12:05 RS0ISS>VK2BH:           typing /ex [CR]  or  CTRL-Z [CR]
16/07/02 12:05 RS0ISS>VK2BH:           at the beginning of a new line.
16/07/02 12:05 RS0ISS>VK2BH:SR(eply)  SR n[CR] Sends a reply to message n prompting only for text.
16/07/02 12:05 RS0ISS>VK2BH:V(ersion) V [CR] displays the software version of the PMS system.
16/07/02 12:05 RS0ISS>VK2BH:
16/07/02 12:05 RS0ISS>CQ:ARISS - INNTERNATIONAL SPACE STATION
16/07/02 12:06 RS0ISS>VK2BH:Subject:
16/07/02 12:06 ZL2BEQ>CQ,RS0ISS*:
16/07/02 12:06 ZL4LL>APU24P,RS0ISS*,SGATE:=4553.65S/17032.00E(_John in Dunedin {UIV32}
16/07/02 12:07 RS0ISS>CQ:ARISS - INNTERNATIONAL SPACE STATION
16/07/02 12:07 ZL2BEQ>CQ,RS0ISS*:hi vk2bh
16/07/02 12:08 ZL2BEQ>CQ,RS0ISS*:
16/07/02 18:33 ZL4LL>APU24P,RS0ISS*,SGATE:=4553.65S/17032.00E-_John in Dunedin {UIV32}
16/07/02 18:33 RS0ISS>CQ:ARISS - INNTERNATIONAL SPACE STATION
16/07/02 18:37 RS0ISS>CQ:ARISS - INNTERNATIONAL SPACE STATION
16/07/02 20:10 RS0ISS>VK3XOR:
16/07/02 20:10 RS0ISS>VK3XOR:Subject:
16/07/02 20:10 RS0ISS>VK3XOR:Subject:
16/07/02 20:11 RS0ISS>VK3XOR:Subject:
16/07/02 20:11 RS0ISS>VK3XOR:Message:
16/07/02 20:11 RS0ISS>VK3XOR:Message:
16/07/02 20:11 RS0ISS>CQ:ARISS - INNTERNATIONAL SPACE STATION
16/07/02 20:13 RS0ISS>CQ:ARISS - INNTERNATIONAL SPACE STATION
17/07/02 11:07 RS0ISS>VK2BH:on board the International Space Station
17/07/02 11:07 RS0ISS>VK2BH:CMD(B/H/J/K/KM/L/M/R/S/SB/SP/ST/SR/V/?)>
17/07/02 11:07 RS0ISS>VK2BH:on board the International Space Station
```

```
17/07/02 11:07 RS0ISS>VK2BH:CMD(B/H/J/K/KM/L/M/R/S/SB/SP/ST/SR/V/?)>
17/07/02 11:07 RS0ISS>VK2BH:on board the International Space Station
17/07/02 11:07 RS0ISS>VK2BH:CMD(B/H/J/K/KM/L/M/R/S/SB/SP/ST/SR/V/?)>
17/07/02 11:07 RS0ISS>VK2BH:Subject:
17/07/02 11:07 RS0ISS>VK2BH:on board the International Space Station
17/07/02 11:07 RS0ISS>VK2BH:CMD(B/H/J/K/KM/L/M/R/S/SB/SP/ST/SR/V/?)>
17/07/02 11:07 RS0ISS>VK2BH:Subject:
17/07/02 11:08 RS0ISS>VK2BH:Message:
17/07/02 11:08 RS0ISS>CQ:ARISS - INNTERNATIONAL SPACE STATION
17/07/02 11:08 RS0ISS>VK2BH:Message:
17/07/02 11:10 RS0ISS>CQ:ARISS - INNTERNATIONAL SPACE STATION
17/07/02 12:45 ZL4LL>APU24P,RS0ISS*,SGATE:=4553.65S/17032.00E-_John in Dunedin {UIV32}
17/07/02 12:46 RS0ISS>CQ:ARISS - INNTERNATIONAL SPACE STATION
```

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570. [aprssig] Re: Speech for old DOS PC's

From: Mark Fellhauer <sparkfel@qwest.net>
Date: Wed, 17 Jul 2002 15:36:48 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-89812-2002.07.17-16.15.31--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

At 03:03 PM 7/17/02, Bob Bruninga wrote:

> I know its kind-of retro, but
> with so many old DOS PC's laying around and so many things that can be
> done, I thought someone else might have a use for it... since 8 resistors
> can be added to ANY PC to give it a voice...

I don't know about your kneck of the woods, but around here, a 386 or 486 PC is becoming a rarity.

Two years ago I showed up at a hamfest with almost two dozen cleaned-up & working 386 and 486 machines, all with NIC's, hard drives, and VGA cards, and we managed to GIVE two of them away. Yes, we could not even GIVE them away. The Boy Scouts wouldn't even take them for their semi-annual computer swap meet. A local business that specializes in refurbished computers came over and took less than an armful of parts (mostly memory and a 2X CD ROM Drive). The rest went to the county landfill.

It seems to me that Hams are the biggest computer snobs around, if it ain't got a P4 or an Athlon processor with a Gig of DDR RAM, well...they're not interested, at any price.

73,

Mark
KC7BXS

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571. [aprssig] Street Pilot-III

From: Bob Bruninga <bruninga@usna.edu>
Date: Wed, 17 Jul 2002 16:39:08 -0400 (EDT)
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-89813-2002.07.17-16.17.43--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

At work they have a street pilot-III color. It comes with a cable to a cigarette adapter with a SPEAKER in it so it can give voice directions. Does this cable/gizmo have the NMEA wires in it too, so I can splice in the Kenwood cable there?

Bob

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572. [aprssig] Re: Speech for old DOS PC's

From: Bob Bruninga <bruninga@usna.edu>
Date: Wed, 17 Jul 2002 17:14:17 -0400 (EDT)
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: TAPR APRS Special Interest Group <aprssig@lists.tapr.org>
Message-ID: <LYR842-89816-2002.07.17-16.52.50--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

```
On Wed, 17 Jul 2002, Mark Fellhauer wrote:

> Bob Wrote: >   I know its kind-of retro, but
> >with so many old DOS PC's laying around and so many things that can be
> >done, I thought someone else might have a use for it... since 8 resistors
> >can be added to ANY PC to give it a voice...
>
> I don't know about your neck of the woods, but around here, a 386 or 486
> PC is becoming a rarity...  Yes, we could not even GIVE them away....

Actually, same here as far as BOXES goes.  But everything I do now is only
on LAPTOPS.   Small, portable, low power, quick boot, throwaways...
Typically Ill give $10 for them at hamfests and can bring home as many as
I need...  Plus, they fit anywhere and run on 12 volts plus or minus...
Neat project controllers.... now they can talk on the radio too....

de WB4APR, Bob


---
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```

573. [aprssig] Re: Street Pilot-III

From: Dick Reichenbach <dreichen@columbus.rr.com>
Date: Wed, 17 Jul 2002 17:16:48 -0400
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: TAPR APRS Special Interest Group <aprssig@lists.tapr.org>
Message-ID: <LYR842-89817-2002.07.17-16.53.46--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

```
Yes.  If you buy the cable with the computer DB-9 connector on it, cut the
DB-9 off and put the 3/32 stereo connector right on the end.  Or buy the
Pfranc connector and build your own.  http://www.pfranc.com/  The cigarette
lighter cable by itself won't work for NMEA, and the data only cable won't
work for 12V power.  They completely leave out the unneeded wires.  You have
to buy their combination power/data cable or their hardwire cable (both of
which garmin is really proud of). I have a pile of garmin cables around
here.  I use the garmin combo cable in the house, the Pfranc cable in the
truck, and 2 hardwire cables for the motorcycles.

Consult your manual for instructions on how to output NMEA sentences.  It's
one of the settings.

Bob Bruninga wrote:

> At work they have a street pilot-III color.  It comes with a cable to a
> cigarette adapter with a SPEAKER in it so it can give voice directions.
> Does this cable/gizmo have the NMEA wires in it too, so I can splice
> in the Kenwood cable there?
>
> Bob


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574. [aprssig] Re: Speech for old DOS PC's

From: "Brian B. Riley \(N1BQ\) ListAcct" <n1bq_list@wulfden.org>
Date: Wed, 17 Jul 2002 17:19:35 -0400
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-89819-2002.07.17-16.59.48--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

```
That's because all those hams have 386/486s desktops at home (they are
probably the only ones that do ...)and they are looking to finally upgrade.
```

Had you gone to the swap meet with P200s or better or even 386/486 laptops
... they would probably have gone quickly and actually made you some money
... desktops 386/486 aren't even boat anchors anymore.

-----Original Message-----
From: bounce-aprssig-25883@lists.tapr.org
[mailto:bounce-aprssig-25883@lists.tapr.org]On Behalf Of Mark Fellhauer
Sent: Wednesday, July 17, 2002 4:37 PM
To: TAPR APRS Special Interest Group
Subject: [aprssig] Re: Speech for old DOS PC's

[snip snip]

It seems to me that Hams are the biggest computer snobs around, if it ain't
got a P4 or an Athlon processor with a Gig of DDR RAM, well...they're not
interested, at any price.

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---

575. [aprssig] Re: Street Pilot-III

From: "Bruce W. Martin" <aprssig@almostanywhere.com>
Date: Wed, 17 Jul 2002 18:24:51 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: TAPR APRS Special Interest Group <aprssig@lists.tapr.org>
Message-ID: <LYR842-89845-2002.07.17-19.03.11--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Here are a couple of links to cables.

<http://store.gpsworldsupply.com/ShoppingCart/gpsworld/Catalog.asp?category=Mobile&family=010-00117-00&product=StreetPilotGPS&accessory=74&ProdAcc=2205>

<http://store.gpsworldsupply.com/ShoppingCart/gpsworld/Catalog.asp?category=Mobile&family=010-00117-00&product=StreetPilotGPS&accessory=67&ProdAcc=2205>

At 05:16 PM 7/17/2002 -0400, Dick Reichenbach wrote:
Yes. If you buy the cable with the computer DB-9 connector on it, cut the
DB-9 off and put the 3/32 stereo connector right on the end. Or buy the
Pfranc connector and build your own. http://www.pfranc.com/ The cigarette
lighter cable by itself won't work for NMEA, and the data only cable won't
work for 12V power. They completely leave out the unneeded wires. You
have
to buy their combination power/data cable or their hardwire cable (both of
which garmin is really proud of). I have a pile of garmin cables around
here. I use the garmin combo cable in the house, the Pfranc cable in the
truck, and 2 hardwire cables for the motorcycles.

Consult your manual for instructions on how to output NMEA sentences. It's
one of the settings.

Bob Bruninga wrote:

> At work they have a street pilot-III color. It comes with a cable to a
> cigarette adapter with a SPEAKER in it so it can give voice directions.
> Does this cable/gizmo have the NMEA wires in it too, so I can splice
> in the Kenwood cable there?
>
> Bob

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At 05:16 PM 7/17/2002 -0400, Dick Reichenbach wrote:
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DB-9 off and put the 3/32 stereo connector right on the end. Or buy the
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lighter cable by itself won't work for NMEA, and the data only cable won't work for 12V power. They completely leave out the unneeded wires. You have
to buy their combination power/data cable or their hardwire cable (both of which garmin is really proud of). I have a pile of garmin cables around here. I use the garmin combo cable in the house, the Pfranc cable in the truck, and 2 hardwire cables for the motorcycles.

Consult your manual for instructions on how to output NMEA sentences. It's one of the settings.

Bob Bruninga wrote:

> At work they have a street pilot-III color. It comes with a cable to a
> cigarette adapter with a SPEAKER in it so it can give voice directions.
> Does this cable/gizmo have the NMEA wires in it too, so I can splice
> in the Kenwood cable there?
>
> Bob

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576. [aprssig] British Columbia DOS MAP

From: Bob Bruninga <bruninga@usna.edu>
Date: Wed, 17 Jul 2002 21:49:22 -0400 (EDT)
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-89895-2002.07.17-21.27.53--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

In prep for the RAC National Convention in Vernon BC, I made a new 170 mile DOS map centered on Vernon. It is in NWMAPS27.ZIP.

For APRSdos users, here is how to add it to your system.

1) Download ftp://tapr.org/aprssig/dosstuff/APRSdos/nwmaps27.zip
2) PKUNZIP -DN NWMAPS27.ZIP into your APRS directory.

This gives you new copies of the following files (plus a complete download of the NW maps if you didnt have them before:

APRS\MAPLISTS\MAPLIST.USA
APRS\MAPLISTS\MAPLIST.APR
APRS\MAPLISTS\MAPLIST.NW
APRS\MAPS\Alberta.MAP
APRS\MAPS\BCVernon.MAP

Notice that since it is a big area map, I actually added it to the main MAPS directory for future standard distribution with the basic APRSdos standard distribution and added it to the master MAPLIST.USA and .APR files. But I figured it was easier to put it in the 370K NWmaps distribtion file instead of having everyone download a new APRSdos version of 1.3M just for the new map...

But BCvernon and the updated ALBERTA map will be in all future versions of APRSdos... (not the present 852)...

de WB4APR@amsat.org, Bob

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To unsubscribe send a blank email to leave-aprssig-842K@lists.tapr.org
Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

577. [aprssig] Re: Emergency Protocol?

From: "Herb Gerhardt" <hgerhardt@charter.net>
Date: Wed, 17 Jul 2002 19:15:12 -0700
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: "nwaprssig" <nwaprssig@nwaprs.org>
Message-ID: <LYR842-89899-2002.07.17-21.54.05--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

We have had a couple of "real" emergency beacons transmitted here on our NW APRS Network during the last year. Fortunately, they turned out to be signals sent out in error. Our members did the right thing, they tried to contact the station sending out the emergency beacon. When that failed, they called 911 and got the Sheriff involved. That is the correct course of action. Do not assume that it was a false beacon. A life could be at stake. If you call it in to the Sheriff, please send out a bulleting to let everyone else know that the authorities have been notified!

The mistake that the people made when they sent out the emergency beacon was, they said oops and shut their radios off! That is the worst thing that you can do. Yes, we all make mistakes at some time or another. If you sent out an emergency beacon by mistake, please:

1. Try to send out a bulleting informing everyone of the error and to ignore the emergency transmission.

2. If you don't remember how to send a bulleting from you TH-D7 or D700, then send a message to any station, even your home station stating that you made a mistake and to ignore your last transmission. Others will be looking at the message page to try to determine more info on that emergency transmission.

3. Above all, DO NOT SHUT YOUR RADIO OFF! Before calling 911, the receiving station should attempt to send an APRS message to the station originating that emergency beacon and try to determine what the problem is and if it is for real, what type of assistance is really required. Sure makes it easier for the local Sheriff to know what he has to respond to and what kind of resources he will need.

As far as testing the response to an emergency APRS beacon, I intend to utilize this function in our next SAR Mock Search in Mason County, WA. I will of course clear it with the Sheriff and our DEM staff first, but my intent is to not inform anyone else and not inform the 911 center. The test would be to determine how long it would take to get someone to take action and call 911 and also to determine how the 911 center would respond to such an emergency. I have briefed our county's 911 Center Supervisor on APRS and its capabilities. I also instructed them to contact me whenever they get any call about an APRS emergency or an emergency where they were only given the Lat/Long for a location, that way I could assist them in determining the location and possibly the particulars on the APRS emergency. This is something I would encourage other counties to incorporate into one of their local emergency drills.

As far as conducting a test of the emergency beacon for your own education, please don't do it on 144.39! Use a low level transmission from you D7A or D700 near your home station or another APRS station on a simplex frequency other than 144.39. Also put a message string in the transmission that states: TESTING, IGNORE THIS TRANSMISSION. You never know, someone could have a packet station on that frequency and read your emergency beacon string!

Herb, KB7UVC
NW APRS Group, West Sound Coordinator
Our WEB Site: www.nwaprs.org

> -----Original Message-----
> From: bounce-aprssig-29709@lists.tapr.org
> [mailto:bounce-aprssig-29709@lists.tapr.org]On Behalf Of tvsjr
> Sent: Wednesday, July 17, 2002 4:25 AM
> To: TAPR APRS Special Interest Group
> Cc: TAPR APRS Special Interest Group
> Subject: [aprssig] Re: Emergency Protocol?
>
>
> My main goal is to ensure that the radio actually sends out the right
> packets, on the right frequency. If I try to set it up on a different
> frequency, then it adds one more variable that could be wrong if
> and when I
> ever want to use the emergency mode...
>
> At 01:06 PM 07/16/2002 -0600, KC7ZRU - Tate wrote:
> >I've never heard of such a "test protocol" - good idea though!
> >
> >One way may be to coordinate with another station, on another frequency.
> >Do the test off of 144.390 with one other station listening and
> >reporting back what they receive. Should do the trick for ya

---
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Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

578. [aprssig] e-trex

From: "Manuel" <manuelh@okmedia.net>
Date: Wed, 17 Jul 2002 22:59:36 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-89908-2002.07.17-23.38.00--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

I sem to have lost the capability to communicate between my etrex and my kpc3+.

The etrex is set for 4800 baud NMEA. I am running APRSdos (maybe 840). I can communicate from the laptop to the KPC3. I transmit and receive, but cannot get positions from the etrex into the laptop.

I have a pigtale from the db9 on the kpc3 for the gps, it did work. I have checked for broken wires. I do plan to remove the kpc3 from the setup and substitute another for it to see if maybe something in the tnc is haywire.

Suggestions are appreciated. And Thanks in advance.

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Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

579. [aprssig] aprsd inserting qAR in the path, anyone know what it is?

From: bob evinger <wd9eka@evinger.com>
Date: Wed, 17 Jul 2002 23:01:38 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-89909-2002.07.17-23.40.38--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

I had someone ask me what the 'qAR' was in the path when I am gating ISS packets. I thought maybe it was everyone but it looks like only packets that I gate are listing them. An example from ariss.net follows

```
00:14:54:42 : KF4UUL]CQ,RS0ISS*,qAR,WD9EKA-15*:Wayne Spartanburg SC
```

I dont believe I am doing anything specific to insert it. My guess is it a result of my 2 aprsd processes passing things along but the truth is I just dont know.

Any other aprsd admins out there know where it is coming from?

    bob

--
Bob Evinger   WD9EKA/AAR5MG(Army MARS operator)
If Guns Cause Crime, Then Matches Cause Arson.

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Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

580. [aprssig] Re: aprsd inserting qAR in the path, anyone know what it is?

From: Valentino Sarro <sarrov@telusplanet.net>
Date: Wed, 17 Jul 2002 22:36:58 -0600
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: TAPR APRS Special Interest Group <aprssig@lists.tapr.org>
Message-ID: <LYR842-89921-2002.07.18-00.15.42--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

According to the APRSD documentation, here are examples of the different codes:

```
qAC,WA4ABC     from validated internet Client WA4ABC
qAX,WA4ABC     from unvalidated client
qAR,WA4DSY     from local TNC (RF)
qAS,first2C9   from Server/Hub first.aprs.net
qAU,WA4DSY     from UDP port
```

```
qAI,WA4DSY     from Internal source (server beacon, etc)
qAZ,WA4DSY     from Internal source that should not be repeated (server
status messages)

Cheers,
Tino - VE6SZR


bob evinger wrote:
>
> I had someone ask me what the 'qAR' was in the path when I am gating ISS
> packets. I thought maybe it was everyone but it looks like only packets
> that I gate are listing them. An example from ariss.net follows
>
> 00:14:54:42 : KF4UUL]CQ,RS0ISS*,qAR,WD9EKA-15*:Wayne Spartanburg SC
>
> I dont believe I am doing anything specific to insert it. My guess is it
> a result of my 2 aprsd processes passing things along but the truth is I
> just dont know.
>
> Any other aprsd admins out there know where it is coming from?
>
>     bob
>
> --
> Bob Evinger   WD9EKA/AAR5MG(Army MARS operator)
> If Guns Cause Crime, Then Matches Cause Arson.
>
> ---
> You are currently subscribed to aprssig as: sarrov@telusplanet.net
> To unsubscribe send a blank email to leave-aprssig-842K@lists.tapr.org
> Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

---
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Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org
```

---

581. [aprssig] Re: e-trex

From: "Jason Rausch" <ke4nyv@msn.com>
Date: Thu, 18 Jul 2002 0:21:58
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-89922-2002.07.18-01.00.28--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

```
Well, first, I would check that 2-way pig tail, just plug it into the com
port, fire up the GPS and start up HyperTerminal.  Once you have it set up,
plug the GPS's data cable into one side of the "Y", check for data comming
in on the terminal window.  Unplug it and plug it into the other side of
the "Y" and check for the data again.  If you get both ways, then you know
the "Y" is ok.  After that, I would start with a HARD RESET of the KPC+, in
Hyperterminal, set the INTFACE for TERMINAL and then let APRS re-configure
it to the standard APRS settings.

That's a start.
Good luck 73's
Jason KE4NYV
www.ke4nyv.com

---
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Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org
```

---

582. [aprssig] Re: e-trex

From: wa4ikq@nevets.oau.org (Geoffrey Dick)
Date: Thu, 18 Jul 2002 01:39:25 -0400 (EDT)
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-89923-2002.07.18-02.03.28--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

```
On  Wed, 17 Jul 2002 22:59:36  "Manuel" <manuelh@okmedia.net> asked:

> I sem to have lost the capability to communicate between my etrex
> and my kpc3+.   .....  it did work ....

I suggest you try fresh batteries.   Serial communication takes a
heavier toll on all devices.  When voltage is down, signal levels
suffer.  A threshold is reached to cause port devices to not hear
```

```
each other.  It is not uncommon for a GPS to continue to operate
with a normal LCD display, while the serial output amplitude falls
below a point where it cannot drive the next device.


Geoffrey Dick
wa4ikq




---
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```

583. [aprssig] Re: Baycom TNC's

```
From: "Leif Tollen" <sm5vxo@hotmail.com>
Date: Thu, 18 Jul 2002 11:15:17 +0200
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-89932-2002.07.18-04.53.45--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain
```

```
Well, not using same setup as you are planning, but a Baycom together with
Pentium Pro 150 MHz 128MB , Win 98 and UI-View. This seems to give lots of
resources left for my MP3 music server running om the same PC.

I had problems with another (newer) PC not giving 5V out on the serial port.
3V was not enough to drive the modem.

73 de SM5VXO




_________________________________________________________________
Join the world�s largest e-mail service with MSN Hotmail.
http://www.hotmail.com


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```

584. [aprssig] Pedestrians! Was Rabbits

```
From: LAIRD STANTON <LAIRD_STANTON@alexandria-emh1.army.mil>
Date: Mon, 15 Jul 2002 11:10:32 -0400
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-89936-2002.07.18-06.25.14--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain
```

```
Here in DC, over the weekend, drive by shootings, 7 hit by six inch
BLOW GUN DARTS!!!!!!!!!

    -----Original Message-----
   From:   Bill Vodall - WA7NWP <wa7nwp@yahoo.com>@AMC
   Sent:   Saturday, July 13, 2002 2:01 AM
   To:     "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
   Subject:  [aprssig] Re:   Rabbits and Weather Stations...

   (Embedded image moved to file: pic00794.pcx)

   >
   >
   >As I stated before, many places do not permit
   >the discharge of firearms, pellet guns, longbows and
   >crossbows.

   Nor sling shots...   They're illegal here in the
   Republic of Redmond...

   Bill, WA7NWP




   ---
   You are currently subscribed to aprssig as: lstanton@hqamc.army.mil
```

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Questions regarding the SIG go to the SIG administrator:
wa1lou@tapr.org
[Attachment: pic00794.pcx; application/octet-stream; 2,707 bytes]

---

585. [aprssig] WinAPRS 2.6.1 Full Screen Map View

From: "Joseph Brassard" <brassardjn@att.net>
Date: Thu, 18 Jul 2002 10:41:7
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-89988-2002.07.18-11.19.37--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Winaprs 2.6.1 Full Screen Map View

I've observed several postings regarding the inability to acquire a full screen map with 2.6.1.
I have been successful in getting a full screen view.

1. With the mouse point and click to an area of the map you wish to enlarge.
2. Then click on the 'Zoom In' button on the tool bar, at least once, or 'Page Down'.
3. From the 'Precision Mapping Window' click on the 'Maximize' button.
4. At top of screen, go to 'Windows'. From the drop down menu, select 'New Map Prec Mapping'. This should give you the full screen view.
5. With the new map, again click on the area you wish to enlarge.
6. Then click on the 'Zoom In' button on the tool bar or 'Page Down' or Page Up'.

But some problems remain. Here are a few I have noticed:
1. Stations not always appearing where they should be.
2. When paging up or down, the map wanders to a different location (intermittent).
3. The map view defaults to the small square map view when changing to another screen such as 'Station List' or 'Message List' and then return to the map view. Must start the entire process over to enlarge the map view.

Hope this can help someone find a resolution to the instability of this program.

Joe - KA8C
ka8c@arrl.net

---
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---

586. [aprssig] RE: WinAPRS 2.6.1 Full Screen Map View

From: "Dave Sloan" <desloan@earthlink.net>
Date: Thu, 18 Jul 2002 11:16:04 -0600
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-90011-2002.07.18-12.54.39--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Joe,
Yes this did open up at full screen map. But, none of the stations showed at their correct locations on either the full screen of the square screen that I started with. Closed the full screen and now the square screen shows everyone back where they should be.
1. Joe what do you do when stations aren't in correct location?
2. While in full screen I was unable to zoom in?

Tnx & 73,
Dave

-----Original Message-----
From: bounce-aprssig-19713@lists.tapr.org
[mailto:bounce-aprssig-19713@lists.tapr.org]On Behalf Of Joseph Brassard
Sent: Thursday, July 18, 2002 4:00 AM
To: TAPR APRS Special Interest Group
Subject: [aprssig] WinAPRS 2.6.1 Full Screen Map View

Winaprs 2.6.1 Full Screen Map View

I've observed several postings regarding the inability to acquire a full screen map with 2.6.1.

I have been successful in getting a full screen view.

1. With the mouse point and click to an area of the map you wish to enlarge.
2. Then click on the 'Zoom In' button on the tool bar, at least once, or 'Page Down'.
3. From the 'Precision Mapping Window' click on the 'Maximize' button.
4. At top of screen, go to 'Windows'. From the drop down menu, select 'New Map Prec Mapping'. This should give you the full screen view.
5. With the new map, again click on the area you wish to enlarge.
6. Then click on the 'Zoom In' button on the tool bar or 'Page Down' or Page Up'.

But some problems remain. Here are a few I have noticed:
1. Stations not always appearing where they should be.
2. When paging up or down, the map wanders to a different location (intermittent).
3. The map view defaults to the small square map view when changing to another screen such as 'Station List' or 'Message List' and then return to the map view. Must start the entire process over to enlarge the map view.

Hope this can help someone find a resolution to the instability of this program.

Joe - KA8C
ka8c@arrl.net

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587. [aprssig] Write for PSR

From: "stanzepa@earthlink.net" <stanzepa@earthlink.net>
Date: Thu, 18 Jul 2002 13:17:24 -0400
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: stanzepa@earthlink.net
Message-ID: <LYR842-90015-2002.07.18-13.00.01--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

TAPR members:

Here is your chance to become rich and famous! Well, maybe not rich, but certainly famous.

The editorial board of Packet Status Register (PSR, TAPR□s quarterly newsletter) is now soliciting articles, news items, etc. for the next issue of the newsletter. Topics related to digital Amateur Radio will be given preference and the editorial board reserves the right to determine what is suitable for publication.

E-mail your contributions to wa1lou@tapr.org ASAP because the deadline for the next issue of the newsletter is July 24.

73,

Stan Horzepa, WA1LOU, PSR Editor

----
mail2web - Check your email from the web at
http://mail2web.com/ .

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Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

588. [aprssig] Re: Radio Felonies?

From: Ken Brown <W2KB@compuserve.com>
Date: Thu, 18 Jul 2002 13:29:47 -0400
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-90035-2002.07.18-13.21.29--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

>> So merely being stopped by a cop with the cordless phone frequencies in your scanner could conceivably result in life long loss of important rights and privileges. <<

Well, no, that's not the case.

Merely having a scanner covering cordless frequencies is *not* an offense under the existing law or the law as it would be modified by the act. What the law does proscribe is the INTENTIONAL act of intercepting or attempting to intercept certain described communications. The section of the law affected does not deem scanners contraband or illegal to possess. The prosecution would have to prove beyond a reasonable doubt that the accused INTENTIONALLY intercepted or attempted to intercept or procured another person to do or attempt to do the act. Proof of attempt requires more than merely having the means to effect the act at one's disposal, especially where possession of a scanner that happens to be capable of receiving cordless phone frequencies is legal per se.

All this Act does with respect to reception of radio signals is remove the first offense lesser penalty provision. No hobbyist is affected what-so-ever unless that hobbyist intentionally engages in what already has been deemed criminal behavior for a number of years, and the only affect is that the penalty is now potentially more severe.

73,

---Ken   W2KB@ARRL.net   VC-NJ   KofC DGK 10627

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---

589. (no subject)

From: (unknown sender)
Date: (date unavailable)
Rendered body type: text/plain

caAADrEYuG
oAAAAIPAPFBT/xWgxIx/VuhrggAA6w3HRgwBAAAAxwMQAAAAM8BfXlvJwhAA/3QkDGoB/3Qk
EP8VEMaMfzPAwgwAVYvsUVFWagBqAGgHBAAA/3UM/xWgxox/i/CNRfxQjUX4UP91DP91COhf
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wHUFvwVAAICLx19eXcIYAP91GP91EP91COhY/P//6+j/dRz/dQjoqPv//1lZ69mLRRj/dRzB
6BBQD7dFGFD/dRD/dQjoGf3//4PEFOu6g+kIdGKD6QZ0SUl0K4PpCHQTSXWg/3UY/3UQ/3UI
6Hj+///rVf91HP91GP91EP91COgj/f//60KLNRDGjH9XahH/dRD/1ldqEf91EP/W6Wf///+D
fRwCD4Vd////6JsNAADpU////w+3RRj/dRxQ/3UQ/3UI6Db+//+L+Ok5/////3UY/3Uc6Lhc
AADpKf///4tEJAT/dCQMi0AE/3QkDIsIUP8RwgwAi0QkBItABFCLCP9RBMIEAFaLdCQIV4tG
BFCLCP9RCIv4hf91HOi6DQAAVv8VAMWMf+iJaAAA/w2wsYx/6IpoAACLx19ewgQAi0QkBP90
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i0QkBP90JAiLQARQiwj/URjCCACLRCQE/3QkCItABFCLCP9RHMIIAItEJASLQARQiwj/USDC
BABVi+z/dRyLRQj/dRiLQAT/dRSLCP91EP91DFD/USRdwhgAi0QkBItABFCLCP9RKMIEAItE
JAT/dCQIi0AEUIsI/1EswggA/3QkEItEJAj/dCQQi0AE/3QkEIsIUP9RMMIQAItEJASLQARQ
iwj/UTTCBACLRCQE/3QkDItABP90JAyLCFD/UTjCDABVi+yD7BxWV2oIakD/FfzEjH+L8IX2
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aGVuIGhvc3QgbW9kZSBURUxORVQgaXMgYXV0b21hdGljYWxseQ0Kc2VsZWN0ZWQgYW5kIHRo
ZSBjb25uZWN0aW9uIG1hZGUuIFdoZW4gdGhlIGNvbm5lY3Rpb24gY2xvc2VzLA0KdGhlIG9y
aWdpbmFsIG1vZGUgaXMgcmVzdG9yZWQuDQoNCihjKSBCdWcgZml4IC0gV2hlbiB1c2luZyBh
IHRlbG5ldCBjb25uZWN0aW9uLCBpZiBtZXNzYWdlcyBsb25nZXINCnRoYW4gYWJvdXQgNCww
MDAgY2hhcmFjdGVycyB3ZXJlIHVwbG9hZGVkIHVuY29tcHJlc3NlZCB0byB0aGUNCkJCUywg
Y2h1bmtzIG9mIHRoZSBtZXNzYWdlIGNvdWxkICJkaXNhcHBlYXIiIGJldHdlZW4gV2luUGFj
ayBhbmQNCnRoZSBCQlMuDQoNCjIuIFRGMi43YiBob3N0IG1vZGUgbm93IHN1cHBvcnRzIHRo
ZSBTQ1MgUFRDLUlJZS4gUGxlYXNlIG5vdGUNCnRoYXQgdGhlIGZvbGxvd2luZyB2aXJ0dWFs
IFROQyBwYXJhbWV0ZXJzIG5lZWQgY2hhbmdpbmcgZnJvbQ0KdGhlaXIgZGVmYXVsdCB2YWx1
ZXMgaWYgeW91IHVzZSBhIFBUQy1JSWUgLSBGUkFDSywgRkVUUFJJTUUsDQpTTE9UVElNRSws
IFRYREVMQVkgYW5kIElOSUNNRC4gVXNlIHRoZSBoZWxwIGluIHRoZSB2aXJ0dWFsIFROQw0K
Zm9yIG1vcmUgaW5mb3JtYXRpb24gZS5nLiAtID9GUkFDSw0KDQpDaGFuZ2VzIFdpblBhY2sg
VjYuNTUgLT4gVjYuNTYNCi0tLS0tLS0tLS0tLS0tLS0tLS0tLS0tLS0tLS0tLQ0KMS4gV2hl
biB1c2luZyBhIHRlbG5ldCBjb25uZWN0aW9uLCBiYWNrc3BhY2VzIGFyZSBub3cgZGlzcGxh
eWVkDQpjb3JyZWN0bHkuIEFsc28sIFdpblBhY2sgbm93IHVuZGVyc3RhbmRzIHRoZSB0ZWxu
ZXQgcHJvdG9jb2wNCmVjaG8gb24vb2ZmIGNvbW1hbmRzLg0KDQpDaGFuZ2VzIFdpblBhY2sg
VjYuNTMgLT4gVjYuNTUNCi0tLS0tLS0tLS0tLS0tLS0tLS0tLS0tLS0tLS0tLQ0KMS4gV2hl
biB1c2luZyBhIHRlbG5ldCBjb25uZWN0aW9uLCBhIGxpbmUgZmVlZCBpcyBub3cgYWRkZWQg
dG8NCmVhY2ggY2FycmlhZ2UgcmV0dXJuLiBUZWxuZXQgcHJvdG9jb2wgY29tbWFuZHMgYXJl
IHJlbW92ZWQgZnJvbQ0KdGhlIGRpc3BsYXllZCB0ZXh0Lg0KDQpDaGFuZ2VzIFdpblBhY2sg
```

```
VjYuNTIgLT4gVjYuNTMNCi0tLS0tLS0tLS0tLS0tLS0tLS0tLS0tLS0tLS0tLQ0KMi4gU3Vw
cG9ydCBhZGRlZCBmb3IgdGVsbmV0IGNvbm5lY3Rpb25zLg0KDQpDaGFuZ2VzIFdpblBhY2sg
VjYuNTEgLT4gVjYuNTINCi0tLS0tLS0tLS0tLS0tLS0tLS0tLS0tLS0tLS0tLQ0KRml4ZWQg
YSBkaXNjb25uZWN0aW9uIHByb2JsZW0gLSBXaGVuIHVzZWQgd2l0aCBhIEJCUyBydW5uaW5n
IEZCQg0KNy4wMGksIFdpblBhY2sgd291bGQgbm90IGRpc2Nvbm5lY3QgYWZ0ZXIgY29tcHJl
c3NlZCBmb3J3YXJkaW5nDQptZXNzYWdlcyB0byB0aGUgQkJTLiBUaGlzIHByb2JsZW0gcmVz
dWx0ZWQgZnJvbSBhIGNoYW5nZSBpbiB0aGUNCkZCQiBmb3J3YXJkaW5nIHByb3RvY29sLg0K
DQoNClJvZ2VyIEJhcmtlciwgRzRJREUNCnJvZ2VyQHBlYWtzeXMuY28udWsNCg0KMjAwMS1B
dWctMTQNCj==
--G0CY5zWRsVH7n5sr8U1H4t643k5--
```

590. [aprssig] Re: Radio Felonies?

From: "Ronald Reams" <wa4mjf@worldnet.att.net>
Date: Thu, 18 Jul 2002 14:00:15 -0400
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-90044-2002.07.18-13.39.27--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

I don't know about the others, but the 40 MHZ frequencies
are shared with the DOD on a non-interference basis. It is
not again the law to listen to these frequncies (some are MARS
frequncies). What gets me, is that I'm on the fringe of Bragg's
46.75 Air Ground Range control frequency and use 36F3 modulation.
I hear almost as much telephone conversations on my R-442/VRC
as I do the Army.   Same-same for ArNG Apache Bn and the
Warthogs that were at Bragg on their air-air frequencies.   I wish
DOD would void the agreement with the FCC for use of those
frequncies!

73 de Ronnie

----- Original Message -----
From: "Ken Brown" <W2KB@compuserve.com>
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Sent: Thursday, July 18, 2002 13:29
Subject: [aprssig] Re: Radio Felonies?

>> So merely being stopped by a cop with the cordless phone frequencies in
your scanner could conceivably result in life long loss of important rights
and privileges. <<

Well, no, that's not the case.

Merely having a scanner covering cordless frequencies is *not* an offense
under the existing law or the law as it would be modified by the act.
What the law does proscribe is the INTENTIONAL act of intercepting or
attempting to intercept certain described communications. The section of
the law affected does not deem scanners contraband or illegal to possess.
The prosecution would have to prove beyond a reasonable doubt that the
accused INTENTIONALLY intercepted or attempted to intercept or procured
another person to do or attempt to do the act. Proof of attempt requires
more than merely having the means to effect the act at one's disposal,
especially where possession of a scanner that happens to be capable of
receiving cordless phone frequencies is legal per se.

All this Act does with respect to reception of radio signals is remove the
first offense lesser penalty provision. No hobbyist is affected
what-so-ever unless that hobbyist intentionally engages in what already has
been deemed criminal behavior for a number of years, and the only affect is
that the penalty is now potentially more severe.

73,

---Ken   W2KB@ARRL.net   VC-NJ   KofC DGK 10627

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591. [aprssig] Re: Radio Felonies?

From: LAIRD STANTON <LAIRD_STANTON@alexandria-emh1.army.mil>
Date: Thu, 18 Jul 2002 14:15:39 -0400
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-90045-2002.07.18-13.47.12--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

How would this bill stop the activities of terrorists? They don't care
about the law, and they have enough funds to either procure or have
modified equipment.

-----Original Message-----
From: "Brandon Cole" <brandonacole@yahoo.com>@AMC
Sent: Wednesday, July 17, 2002 10:05 AM
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Subject: [aprssig] Re: Radio Felonies?

(Embedded image moved to file: pic14681.pcx)
We are losing all sorts of freedoms these days, so it doesn't suprise
me
that they will slowly start to come after our hobby.

The only logical motivation to enact this
legislation, that I can think of, is to keep the terrorists from
listening
in on our law enforcement and emergency reaction infrastructure.

Based on current and furture laws like this,
one can only come to the conclusion that the government believes the
general public can't be trusted and must be restricted in any way
necessary
to support public safety. Just one more thing to add to the list...

Brandon
AD5ER

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wa1lou@tapr.org
[Attachment: pic14681.pcx; application/octet-stream; 2,707 bytes]

592. [aprssig] Re: Radio Felonies?

From: "Mike Yetsko" <myetsko@insydesw.com>
Date: Thu, 18 Jul 2002 14:10:23 -0400
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-90046-2002.07.18-13.52.08--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

> How would this bill stop the activities of terrorists? They don't care
> about the law, and they have enough funds to either procure or have
> modified equipment.

How the heck did 'terrorist' get into this? It's not about terrorist,
it's
about privacy.

The law was enacted almost specifically to be able to nail people to the
wall (after the fact) that intercept phone calls on scanners and then
divulge the contents to the news or other outlets.

It has NOTHING TO DO WITH TERRORIST!! How the heck did
the topic get mutated to that?

Mike

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593. [aprssig] Re: Speech for old DOS PC's

From: LAIRD STANTON <LAIRD_STANTON@alexandria-emh1.army.mil>
Date: Thu, 18 Jul 2002 14:25:08 -0400

To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-90049-2002.07.18-13.56.29--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

```
That is cause the industry has brainwashed the govt and commercial
companinies that anything over three to five years is "unsupportable"!
Around here anything over three is replaced rather than repaired, and
working systems are replaced in five.  This floods the secondhand market
with near new machines,  When I retire next month, the Twinspin with 3G
hd, cdrom, PCMCIA, usb, color, etc., etc. will be surplussed.



    -----Original Message-----
   From:   Mark Fellhauer <sparkfel@qwest.net>@AMC
   Sent:   Wednesday, July 17, 2002 4:37 PM
   To:     "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
   Subject:  [aprssig] Re:  Speech for old DOS PC's

   (Embedded image moved to file: pic04959.pcx)
   At 03:03 PM 7/17/02, Bob Bruninga wrote:

   >   I know its kind-of retro, but
   >with so many old DOS PC's laying around and so many things that can
   be
   >done, I thought someone else might have a use for it... since 8
   resistors
   >can be added to ANY PC to give it a voice...

   I don't know about your kneck of the woods, but around here, a 386 or
   486
   PC is becoming a rarity.

   Two years ago I showed up at a hamfest with almost two dozen
   cleaned-up &
   working 386 and 486 machines, all with NIC's, hard drives, and VGA
   cards,
   and we managed to GIVE two of them away.   Yes, we could not even
   GIVE them
   away.   The Boy Scouts wouldn't even take them for their semi-annual
   computer swap meet.   A local business that specializes in
   refurbished
   computers came over and took less than an armful of parts (mostly
   memory
   and a 2X CD ROM Drive).   The rest went to the county landfill.

   It seems to me that Hams are the biggest computer snobs around, if it
   ain't
   got a P4 or an Athlon processor with a Gig of DDR RAM, well...they're
   not
   interested, at any price.

   73,

   Mark
   KC7BXS




   ---
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   wa1lou@tapr.org
```

[Attachment: pic04959.pcx; application/octet-stream; 2,707 bytes]

594. [aprssig] Re: Radio Felonies?

From: David VanHorn <dvanhorn@cedar.net>
Date: Thu, 18 Jul 2002 13:35:35 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-90051-2002.07.18-14.14.06--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

```
At 02:10 PM 7/18/2002 -0400, Mike Yetsko wrote:
> > How would this bill stop the activities of terrorists?  They don't care
> > about the law, and they have enough funds to either procure or have
> > modified equipment.
>
```

>How the heck did 'terrorist' get into this? It's not about terrorist,
>it's about privacy.

It's about legislating the non-nude status of the emperor.

The problem is the false expectation of privacy, where there is none.

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595. [aprssig] Re: Radio Felonies?

From: "Horzepa, Stan" <SHorzepa@c-cor.net>
Date: Thu, 18 Jul 2002 14:40:06 -0400
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-90052-2002.07.18-14.20.39--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

This topic is off-topic. Please take it off the APRSSIG.

Thank you for your cooperation!

Stan, WA1LOU, APRSSIG administrator

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596. [aprssig] Re: Radio Felonies?

From: "Mike Yetsko" <myetsko@insydesw.com>
Date: Thu, 18 Jul 2002 14:40:37 -0400
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-90053-2002.07.18-14.22.49--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

----- Original Message -----
From: "David VanHorn" <dvanhorn@cedar.net>

> It's about legislating the non-nude status of the emperor.
>
> The problem is the false expectation of privacy, where there is none.

This is probably a VERY accurate statement, as that is EXACTLY the
reason the original cellular privacy statutes got passed in the first
place.
All this NEW law does is give them more teeth.

Mike

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597. [aprssig] Re: Radio Felonies?

From: Glenn Little <glittle@awod.com>
Date: Thu, 18 Jul 2002 14:43:07 -0400
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-90058-2002.07.18-14.30.12--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

If you want privacy, do not use a radio. If you transmit a rdaio signal,
someone will hear it. It is as simple as that. You cannot "fix" a
technology problem with laws. It is like passing a law that you car tire
cannot go flat. The comm act of 1934 worked fine before it was ammended.

73
Glenn
WB4UIV

At 02:10 PM 7/18/02 -0400, Mike Yetsko wrote:
> > How would this bill stop the activities of terrorists? They don't care
> > about the law, and they have enough funds to either procure or have

```
> > modified equipment.
>
>How the heck did 'terrorist' get into this?  It's not about terrorist,
>it's
>about privacy.
>
>The law was enacted almost specifically to be able to nail people to the
>wall (after the fact) that intercept phone calls on scanners and then
>divulge the contents to the news or other outlets.
>
>It has NOTHING TO DO WITH TERRORIST!!  How the heck did
>the topic get mutated to that?
>
>Mike
>
>
>
>---
>You are currently subscribed to aprssig as: GLITTLE@AWOD.COM
>To unsubscribe send a blank email to leave-aprssig-842K@lists.tapr.org
>Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

----------------------------------------------------------------------------
Glenn Little                         glittle@awod.com   QCWA  LM 28417
Amateur Callsign:  WB4UIV            wb4uiv@amsat.org   AMSAT LM 2178
QTH:  Goose Creek, SC USA (EM92xx)                      ARRL  TAPR
----------------------------------------------------------------------------



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```

598. [aprssig] Re: Radio Felonies?

From: David VanHorn <dvanhorn@cedar.net>
Date: Thu, 18 Jul 2002 13:54:59 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-90059-2002.07.18-14.34.17--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

```
At 02:40 PM 7/18/2002 -0400, Mike Yetsko wrote:

>----- Original Message -----
>From: "David VanHorn" <dvanhorn@cedar.net>
>
> > It's about legislating the non-nude status of the emperor.
> >
> > The problem is the false expectation of privacy, where there is none.
>
>This is probably a VERY accurate statement, as that is EXACTLY the
>reason the original cellular privacy statutes got passed in the first
>place.
>All this NEW law does is give them more teeth.

And all because they refuse to admit that they have no expectation of privacy.

When they first started, privacy was a concern, and the gp were told that
they were not able to be picked up on scanners, which conveyed a
deliberately false expectation of privacy. As in the story of the emperor's
new clothes, the general public was encouraged to believe that everything
was just fine.

Of course the scanner makers jumped right in and built the scanners,
because of public demand. (important point!)

After a number of incidents where politicians were monitored with
embarrassing results, this ECPA was passed, which essentially makes it a
crime to look at the nude emperor, thereby "preserving" his privacy.



---
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```

599. [aprssig] Re: Radio Felonies?

From: LAIRD STANTON <LAIRD_STANTON@alexandria-emh1.army.mil>
Date: Thu, 18 Jul 2002 15:09:33 -0400
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-90060-2002.07.18-14.43.00--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

```
Would seem that if those proscribed frequencies are programmed in,
intent is indicated.

    -----Original Message-----
   From:   Ken Brown <W2KB@compuserve.com>@AMC
   Sent:   Thursday, July 18, 2002 1:30 PM
   To:     "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
   Subject:  [aprssig] Re: Radio Felonies?

   (Embedded image moved to file: pic02487.pcx)
   >> So merely being stopped by a cop with the cordless phone
   frequencies in
   your scanner could conceivably result in life long loss of important
   rights
   and privileges. <<

   Well, no, that's not the case.

   Merely having a scanner covering cordless frequencies is *not* an
   offense
   under the existing law or the law as it would be modified by the act.
   What the law does proscribe is the INTENTIONAL act of intercepting or
   attempting to intercept certain described communications.
```

[Attachment: pic02487.pcx; application/octet-stream; 2,707 bytes]

---

600. [aprssig] Re: Radio Felonies?

From: LAIRD STANTON <LAIRD_STANTON@alexandria-emh1.army.mil>
Date: Thu, 18 Jul 2002 15:11:36 -0400
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-90061-2002.07.18-14.44.34--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

```
Darned if I know, I was responding to a previous post that brought it
up.

    -----Original Message-----
   From:   "Mike Yetsko" <myetsko@insydesw.com>@AMC
   Sent:   Thursday, July 18, 2002 2:10 PM
   To:     "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
   Subject:  [aprssig] Re: Radio Felonies?

   (Embedded image moved to file: pic24103.pcx)
   > How would this bill stop the activities of terrorists?  They don't
   care
   > about the law, and they have enough funds to either procure or have
   > modified equipment.

   How the heck did 'terrorist' get into this?  It's not about
   terrorist,
   it's
   about privacy.

   The law was enacted almost specifically to be able to nail people to
   the
   wall (after the fact) that intercept phone calls on scanners and then
   divulge the contents to the news or other outlets.

   It has NOTHING TO DO WITH TERRORIST!!  How the heck did
   the topic get mutated to that?

   Mike



   ---
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   Questions regarding the SIG go to the SIG administrator:
   wa1lou@tapr.org
```

[Attachment: pic24103.pcx; application/octet-stream; 2,707 bytes]

601. [aprssig] Some goose tried to unsubscribe me - internet fraud

From: "Andrew Rich" <andrew.rich@bigpond.com>
Date: Fri, 19 Jul 2002 05:11:05 +1000
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: <fundrsr@hotmail.com>
Message-ID: <LYR842-90062-2002.07.18-14.49.59--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

```
To: aprssig-request
From: "FundraisingHelp" <fundrsr@hotmail.com>
Subject:
Date: Fri, 19 Jul 2002 01:18:24 +0800
MIME-Version: 1.0
Content-Type: multipart/related;
        boundary="----=_NextPart_94915C5ABAF209EF376268C8"

# Mail sent to leave-aprssig-23621j was converted to these commands:
unsubscribe aprssig andrew.rich@bigpond.com confirm
end
```

Andrew Rich
Callsign: VK4TEC
andrew.rich@bigpond.com
www.users.bigpond.com/andrew.rich/vk4tec.htm

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---

602. [aprssig] RE: aprsd inserting qAR in the path, anyone know what it is?

From: "Brian B. Riley \(N1BQ\) ListAcct" <n1bq_list@wulfden.org>
Date: Thu, 18 Jul 2002 16:20:27 -0400
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: "N2LBT Dennis Hudson" <n2lbt@n2lbt.com>
Message-ID: <LYR842-90065-2002.07.18-15.59.03--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

That's funny, not 2 minutes ago I was looking at my last posit on Findu and
I came up with the same anomaly;

Raw packet:

```
N1BQ-8>TTSQ7S,N1BQ-3,WA2UMX-2*,WIDE2-2,qAR,N2LBT-1*:'dORl#Xk/]"96}
```

I was rather puzzled too, though not so much by the "qAR", but that there
was a callsign following ... now WA2UMX-2 feeds to the Albany aprsd digi so
this is possible ... N2LBT-1 is a station in the area of Albany ...

-----Original Message-----
From: bounce-aprssig-25883@lists.tapr.org
[mailto:bounce-aprssig-25883@lists.tapr.org]On Behalf Of bob evinger
Sent: Thursday, July 18, 2002 12:02 AM
To: TAPR APRS Special Interest Group
Subject: [aprssig] aprsd inserting qAR in the path, anyone know what it
is?

I had someone ask me what the 'qAR' was in the path when I am gating ISS
packets. I thought maybe it was everyone but it looks like only packets
that I gate are listing them. An example from ariss.net follows

```
00:14:54:42 : KF4UUL]CQ,RS0ISS*,qAR,WD9EKA-15*:Wayne Spartanburg SC
```

I dont believe I am doing anything specific to insert it. My guess is it
a result of my 2 aprsd processes passing things along but the truth is I
just dont know.

Any other aprsd admins out there know where it is coming from?

bob

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603. [aprssig] PCsat ops normal on Weekend

From: Bob Bruninga <bruninga@usna.edu>
Date: Thu, 18 Jul 2002 19:19:03 -0400 (EDT)
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-90074-2002.07.18-18.57.34--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

PCsat will be "OPS NORMAL" on the weekend. The last few days and Firday we have been trying a new power saver mode to see if we can make it through eclipse but no joy. We had been turning DIGI off. (sorry)...

But for the weekend we will leave digi on and let users have it again and probably into next week too.. In this mode the only alias that works is via W3ADO-1. (Except for priority users on the side B uplink. see below).

PCsat is in max eclipse cycles now (35%) but by 25 July it will improve to only 30% and so we will try our low power modes again then.. In the mean time, enjoy...

We only have one priority user right now (if anyone else is on special travel, let us konw?). Look for N3IYI's railroad car downlinking on 144.39 over the east coast.

And during the 3 weeks begining 29 July we should have several people on Naval Academy boats attempting to be tracked a few times a day via PCsat, ISS and UO-22 out in the Atlantic.

de WB4APR@amsat.org, Bob

PCsat WEB page	http://www.ew.usna.edu/~bruninga/pcsat.html
ISS-APRS FAQ:	http://www.ew.usna.edu/~bruninga/iss-faq.html
CUBESAT Designs	http://www.ew.usna.edu/~bruninga/cubesat.html
APRS LIVE pages	http://www.ew.usna.edu/~bruninga/aprs.html
APRS SATELLITES	http://www.ew.usna.edu/~bruninga/astars.html

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604. [aprssig] Backboned APRS?

From: Jeff Reinhardt <jreinh@ix.netcom.com>
Date: Thu, 18 Jul 2002 16:34:46 -0700
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-90080-2002.07.18-19.13.52--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Much has been written about the congestion on 144.39 in Southern California (SoCal). If anything, APRS use seems to be holding steady or growing. A two-hour stint connected to the web last weekend showed nearly 4,000 stations on the air (thankfully, not all in CA!)

Several weeks ago, I think Bob posted a note about the possibilities of carrying some of the APRS load on a 440 MHz backbone. Unfortunately, I did not retain that message, but it spurred my thinking in this matter.

The APA Digital Communications Network (APA) is a club that operates a backboned system covering a good portion (but not all of SoCal. APA also operates two APRS digis in the region, one near Gorman in the north, the other on Castro Peak near Malibu, which is where the "hub" of the backboned system is located. The backboned system was designed to support keyboard and BBS operations, which lately, has not seen much use.

While I cannot speak for the entire APA Board, which would have to approve such an experiment, I believe the group may be willing to engage in a trial that investigates the viability of a backboned APRS system.

The backboned network presently has 2 meter ports operating at 1200 bps in several (low altitude) locations with the mountain top backboned repeater providing connectivity between nodes. The backbone operates at 9600 bps through a coordinated full duplex repeater using Motorola (Mitrek) radios at the repeater site and at low level stations.

If there is interest in using this resource as a means to decrease APRS 2 meter traffic in SoCal, we would need to know who is interested and how the network could be used to enhance throughput, a concept that I believe would be the first of its type. How it would operate and achieve its goals is undetermined. The possibility of moving APA equipment around, if needed, could be explored.

The 9600 backbone might also be used to move data to/from the internet if that is a desired function that has utility. It is probably not practical, at least at the outset, to consider having the 9600 backbone accessible to home stations, or for that fact, mobile units.

Considering the use of this resource, I have many questions:
Ideally, could such a system allow SoCal to return to normal path statements that allow mobiles a "seamless" transition into the area? What traffic would be placed onto the backbone? How could the backbone be effectively used by digis to reduce 2m loading?

At present we are using Kantronics KPC-9612 units (with K-Net node chips) at the user ports of the network. Could these be used for APRS+backbone use? How would traffic be parsed into/out of the network? Would a computer driven KISS operation be a better way to operate?

A few days ago, I posted a similar message on the California APRS SIG and have received only one response expressing possible interest in the project. I place the concept here with the thoughts that perhaps not all SoCal SYSOPS get the CA SIG and also challenging Bob and others to conceptualize whether or not a networked regional system has value.

To summarize, APA has the hardware; the question is whether or not it has value to the advancement of APRS in SoCal and possibly elsewhere. Constructive thoughts on the matter are most welcome.

Jeff Reinhardt AA6JR
Member of the Board - APA Digital Communications Network

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---

605. [aprssig] Antenna?

From: Ken Cechura <kcechura@umr.edu>
Date: Thu, 18 Jul 2002 18:41:37 -0700
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-90082-2002.07.18-19.20.48--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

do Radio shack glass mount antennas work...well? am thinking of getting one for grins and giggles.... i know they wont have the gain of a diamond or comet, but i want somehting thats not a magnet, for the time being.... it;; probably end up as a scanner antenna later, but i was wondering if anyone had any luck using them for trackers.

thanks
Ken

```
      //////////////////////////////////////////////////////
     //        Kenneth R. Cechura, KC9UMR                //
    //            kcechura@umr.edu                      //
   //           President, W0EEE, 2002                 //
  // University of Missouri-Rolla Amateur Radio Club  //
//////////////////////////////////////////////////////
```

---
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---

606. [aprssig] Re: PCsat ops normal on Weekend

From: "Brandon Cole" <brandonacole@yahoo.com>
Date: Thu, 18 Jul 2002 18:42:55
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-90083-2002.07.18-19.21.29--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Great! Someone will finally try to use UO-22 for APRS. Or have there been people using it already for the past week or so? If so, I haven't seen them (only occaisional PBBS), and the Satgate has been on almost

continuously for over a week now. I hope the Academy boats don't go too
far out and leave me out of their footprint!

Brandon
AD5ER

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---

607. [aprssig] Re: Antenna?

From: David VanHorn <dvanhorn@cedar.net>
Date: Thu, 18 Jul 2002 18:52:30 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-90084-2002.07.18-19.30.59--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

At 06:41 PM 7/18/2002 -0700, Ken Cechura wrote:
>do Radio shack glass mount antennas work...well? am thinking of getting
>one for grins and giggles.... i know they wont have the gain of a diamond
>or comet, but i want somehting thats not a magnet, for the time being....
>it;; probably end up as a scanner antenna later, but i was wondering if
>anyone had any luck using them for trackers.

I use them for SSTV and APRS.
They work about as well as a 1/4 wave whip.
Do watch the tuning, it drifts. Retune about every 6 mos.

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---

608. [aprssig] Re: Antenna?

From: Paul Womble <pwomble1@tampabay.rr.com>
Date: Thu, 18 Jul 2002 19:58:37 -0400
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: TAPR APRS Special Interest Group <aprssig@lists.tapr.org>
Message-ID: <LYR842-90111-2002.07.18-19.37.30--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

I've got one. 2m performance is poor. Match is good...radiation is not
;-)

On 440 performance is much better.

If you live in an area with good digi & relay coverage the antenna will
work fine for a tracker.

73
Paul K4FB

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609. [aprssig] Re: Antenna?

From: "Brandon Cole" <brandonacole@yahoo.com>
Date: Thu, 18 Jul 2002 19:29:26
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-90114-2002.07.18-20.07.54--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

You might check out Larsen's glass mount antennas, if you haven't already.
They're a bit higher priced, but you will get higher performance.

Brandon
AD5ER

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610. [aprssig] eagle cad?

From: "Wes Johnston" <wes@johnston.net>
Date: Thu, 18 Jul 2002 20:53:59 -0400
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-90117-2002.07.18-20.32.44--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

```
Anyone ever played with eagle cad?  I'm trying to create a library for a
chip for an aprs related project and having no luck connecting the pins and
pads.

help?
Wes



---
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```

---

611. [aprssig] RE: WinAPRS 2.6.1 Full Screen Map View

From: "Herb Gerhardt" <hgerhardt@charter.net>
Date: Thu, 18 Jul 2002 19:14:51 -0700
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: "nwaprssig" <nwaprssig@nwaprs.org>
Message-ID: <LYR842-90118-2002.07.18-21.53.28--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

```
Yes, I see what you mean.  I did not encounter the problem until you pointed
this out.  The reason I did not encounter the problem was that I have a HOME
screen file and as soon as I opened the full screen file with the Icons at
the wrong locations, I pressed the House button or H key and it brings up my
home file with the Icons at the correct locations!

Hopefully the Sproul's will issue and upgrade to correct this problem but
until then, I can live with it.  Thanks Joe for the info.  I love it!

Herb, KB7UVC
NW APRS Group, West Sound Coordinator
Our WEB Site:  www.nwaprs.org


> -----Original Message-----
> From: bounce-aprssig-29709@lists.tapr.org
> [mailto:bounce-aprssig-29709@lists.tapr.org]On Behalf Of Dave Sloan
> Sent: Thursday, July 18, 2002 10:16 AM
> To: TAPR APRS Special Interest Group
> Subject: [aprssig] RE: WinAPRS 2.6.1 Full Screen Map View
>
>
> Joe,
>    Yes this did open up at full screen map. But, none of the
> stations showed
> at their correct locations on either the full screen of the square screen
> that I started with. Closed the full screen and now the square
> screen shows
> everyone back where they should be.
> 1.   Joe what do you do when stations aren't in correct location?
> 2.   While in full screen I was unable to zoom in?
>
> Tnx & 73,
> Dave
>
> -----Original Message-----
>
> Winaprs 2.6.1 Full Screen Map View
>
> I've observed several postings regarding the inability to acquire a full
> screen map with 2.6.1.
> I have been successful in getting a full screen view.
>
> 1.  With the mouse point and click to an area of the map you wish to
> enlarge.
> 2.  Then click on the 'Zoom In' button on the tool bar, at least once, or
> 'Page Down'.
> 3.  From the 'Precision Mapping Window' click on the 'Maximize' button.
> 4.  At top of screen, go to 'Windows'.  From the drop down menu, select
> 'New Map Prec Mapping'.  This should give you the full screen view.
> 5.  With the new map, again click on the area you wish to enlarge.
```

> 6. Then click on the 'Zoom In' button on the tool bar or 'Page Down' or
> Page Up'.

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612. [aprssig] Re: Antenna? (glass mount)

From: Matt Steinhoff <mls@steinhoff.net>
Date: Thu, 18 Jul 2002 22:46:29 -0400
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: aprssig@lists.tapr.org
Message-ID: <LYR842-90121-2002.07.18-22.25.01--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

> You might check out Larsen's glass mount antennas

I have Larsen's glass mount dual bander. Obviously it isn't as good as an antenna popped through a hole in the roof but I find it works well -- certainly better than I had been lead to believe it would work. It does not need any tuning and has good SWR. It is currently used with my D700. Before that I had it on my D7.

> They're a bit higher priced,

Bit? That's an understatement. Try twice as much.

> but you will get higher performance.

I can't speak to long-term performance. My father has a Radio Shack dual-band glass mount on his car. Out of the box, it seemed to work just about as well as my Larsen (in terms of SWR and reach). The Larsen did feel a lot better built, however.
A company I worked for used Larsen glass mount 800mHz antennas for years (anyone want to buy some used Motorola STX radios/amps/converta-coms cheap?). We never had any problems with them falling off in the hot and salty Florida weather nor did they go out of tune. Two thumbs up to Larsen!
(The higher the frequency, the better the antenna works on glass, of course.)

Unless you are looking to do some weak signal work, the glass mount antenna (either of them) will probably work just fine. If you want the antenna to last a long time and work well, spend the extra bucks and get the better made Larsen antenna.

Matt (k4mls)

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613. [aprssig] Re: Antenna? (glass mount)

From: David VanHorn <dvanhorn@cedar.net>
Date: Thu, 18 Jul 2002 22:37:06 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: aprssig@lists.tapr.org
Message-ID: <LYR842-90136-2002.07.18-23.15.53--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

>
>   Unless you are looking to do some weak signal work,
>the glass mount antenna (either of them) will probably
>work just fine. If you want the antenna to last a long
>time and work well, spend the extra bucks and get the
>better made Larsen antenna.
>
>   Matt (k4mls)

My RS glassmounts spent 80kmiles on one car, and are on their second car.

I figure if the antenna outlasts the car, it's good enough.

---
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614. [aprssig] Re: Antenna? (glass mount)

From: Bill Vodall - WA7NWP <wa7nwp@yahoo.com>
Date: Thu, 18 Jul 2002 22:58:21 -0700
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-90168-2002.07.19-01.37.00--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

>
>
\>My RS glassmounts spent 80kmiles on one car, and are on their second car.

Does RS have a re-mount kit?   I have an antenna I waited too long to
put on and it appears the tube of glue dried up.

Thanks,
Bill

---
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615. [aprssig] Re: Antenna? (glass mount)

From: David VanHorn <dvanhorn@cedar.net>
Date: Fri, 19 Jul 2002 01:12:27 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-90169-2002.07.19-01.50.57--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

At 10:58 PM 7/18/2002 -0700, Bill Vodall - WA7NWP wrote:

> >
> >
> >My RS glassmounts spent 80kmiles on one car, and are on their second car.
>
\>Does RS have a re-mount kit?   I have an antenna I waited too long to
\>put on and it appears the tube of glue dried up.

I got some clear doublestick tape from there, two strips is about perfect.
Works great.

---
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616. [aprssig] FW: Amazing Application

From: "Darryl Smith" <Darryl@radio-active.net.au>
Date: Fri, 19 Jul 2002 17:02:45 +1000
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-90172-2002.07.19-02.43.27--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

G'Day...

This is a cool mapping application... I wonder if we can superimpose
APRS in real time

Darryl

-----Original Message-----
From: Bill Kovacs

This is easily the coolest mapping application I have ever seen it's
truely amazing........

I think you need an nvidia accelerator in your PC to really make it
shine....

The app allows you to roam anywhere on earth in real time based on
satellite imagery superimposed over DEM data

http://www.nvidia.com/view.asp?IO=earthviewer

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617. [aprssig] Looking for ZCARS (ACARS) software

From: Mark Fellhauer <sparkfel@qwest.net>
Date: Fri, 19 Jul 2002 06:05:09 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-90181-2002.07.19-06.44.18--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

I noticed the ZCARS website looks is offline.   Does anyone have a copy of
ZCARS ACARS decoder they can send (email) me?

73,

Mark
KC7BXS

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To unsubscribe send a blank email to leave-aprssig-842K@lists.tapr.org
Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

618. [aprssig] Re: Antenna? (glass mount)

From: David VanHorn <dvanhorn@cedar.net>
Date: Fri, 19 Jul 2002 06:14:19 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: aprssig@lists.tapr.org
Message-ID: <LYR842-90183-2002.07.19-06.54.27--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

At 04:27 AM 7/19/2002 -0400, blitz wrote:
>I've noted the doublesided tape from Radio Schlack is thicker than the
>Antenna specialist tape. This affects tuning and performance. You're
>better to go thinner than thicker, as you're severely lowering the
>capacitance. The mount box/glass/mount foot should be viewed as a series
>capacitor with the antenna.

If the glass were infinitely thin, that would be true.
However, the additional separation isn't that significant, and has proven
to be insignificant in operation as well.

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619. [aprssig] RE: aprsd inserting qAR in the path, anyone know what it is?

From: "Ron VE1AIC" <ve1aic@yahoo.com>
Date: Fri, 19 Jul 2002 6:27:13
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-90184-2002.07.19-07.05.46--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

The current beta version of aprsd 2.1.5b6 server added this feature,
"The server now adds information to the end of the PATH indicating the
    source of each packet . This is the qAc,CallSign construct."
Similar to UI-Views IGATE function but much more informative.
73 - Ron VE1AIC
ve1uhf.no-ip.org:10151

On 07/18/02, ""Brian B. Riley \(N1BQ\) ListAcct" <n1bq_list@wulfden.org>"
wrote:
> That's funny, not 2 minutes ago I was looking at my last posit on Findu and
> I came up with the same anomaly;
>
> Raw packet:
> N1BQ-8>TTSQ7S,N1BQ-3,WA2UMX-2*,WIDE2-2,qAR,N2LBT-1*:'dORl#Xk/]"96}
>
> I was rather puzzled too, though not so much by the "qAR", but that there
> was a callsign following ... now WA2UMX-2 feeds to the Albany aprsd digi so
> this is possible ... N2LBT-1 is a station in the area of Albany ...
>
>
> -----Original Message-----
> From: bounce-aprssig-25883@lists.tapr.org
> [mailto:bounce-aprssig-25883@lists.tapr.org]On Behalf Of bob evinger
> Sent: Thursday, July 18, 2002 12:02 AM
> To: TAPR APRS Special Interest Group
> Subject: [aprssig] aprsd inserting qAR in the path, anyone know what it
> is?
>
>
> I had someone ask me what the 'qAR' was in the path when I am gating ISS
> packets. I thought maybe it was everyone but it looks like only packets
> that I gate are listing them. An example from ariss.net follows
>
>
> 00:14:54:42 : KF4UUL]CQ,RS0ISS*,qAR,WD9EKA-15*:Wayne Spartanburg SC
>
> I dont believe I am doing anything specific to insert it. My guess is it
> a result of my 2 aprsd processes passing things along but the truth is I
> just dont know.
>
> Any other aprsd admins out there know where it is coming from?
>
>   bob

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Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

---

620. [aprssig] Re: Antenna? (glass mount)

From: blitz <blitz@macronet.net>
Date: Fri, 19 Jul 2002 04:23:41 -0400
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: aprssig@lists.tapr.org
Message-ID: <LYR842-90185-2002.07.19-07.16.40--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

I've remounted dozens of them (in cellular service) and all that is
necessary is a tube of rear-view mirror glue (available at most auto-supply
stores) for the metalic foot, and a little clear RTV Silicone rubber (also
available at auto or home hardware stores) for the plastic part.
Scrupulously clean the glass with isopropyl alcohol and let dry.
Remount the base sans antenna, and let cure for 24 hours or overnight at
minimum, (a piece of duct tape might be necessary if the vehicle is to be
driven immediately) then adjust and re-install the antenna, you should be
fine. A little lacquer thinner on a rag will then remove the duct tape
splooge after removal.

As far as performance goes, on-glass antennas suffer from low bandwidth,
the lower the freq the worse, and a susceptability to metalics used in some
windshields for UV protection (Notably Ford, Mercedez, and a couple Jap
cars like the lexus).

On glass antenna should always be considered a last choice for an antenna.
Never a first choice...

At 22:58 7/18/02 -0700, you wrote:

> >
> >
> >My RS glassmounts spent 80kmiles on one car, and are on their second car.
>
>Does RS have a re-mount kit?   I have an antenna I waited too long to
>put on and it appears the tube of glue dried up.

```
>
>Thanks,
>Bill


---
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```

621. [aprssig] Re: eagle cad?

From: Jeff King <jeff@aerodata.net>
Date: Fri, 19 Jul 2002 07:51:07 -0400
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-90186-2002.07.19-07.23.26--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

```
On Thu, 18 Jul 2002 20:53:59 -0400, Wes Johnston wrote:
>Anyone ever played with eagle cad?

Yes, I just started to transition over to it (again). Done one schematic so
far and I like it. Once you get used to the europeon way of thinking it is
not too bad. Not yet done a PCB on it but I don't have a deadline looming
over me this time so I can spend the time to learn it.

>I'm trying to create a library for a
>chip for an aprs related project and having no luck connecting the
>pins and pads.

Can't help you here other then to direct you to their newsgroup which does
seem fairly helpful. You can get info on this off their website. This is my
second attempt at EagleCad (the first was a few years ago) and I recall the
reason I aborted it the first time was I didn't have time to figure out the
libraries and ended up going back to my old DOS Orcad to do the PCB.

-Jeff



---
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```

622. [aprssig] Re: Antenna? (glass mount)

From: "J.Duffy Beischel" <wb8nut@arrl.net>
Date: Fri, 19 Jul 2002 8:0:52
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-90187-2002.07.19-08.39.26--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

```
I put a Procomm (sp?) glass mounted antenna on my Ford Escape.  Purchased
it at Dayton this year.  Fell off two weeks ago.  Guess the heat was too
much for the double sided foam tape they use to hold it on.  That night I
switched to a hatchback mount with an NMO antenna.  That puppy is not
coming off.

Duffy
www.wb8nut.com

---
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```

623. [aprssig] Re: Antenna? (glass mount)

From: blitz <blitz@macronet.net>
Date: Fri, 19 Jul 2002 04:27:49 -0400
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: aprssig@lists.tapr.org
Message-ID: <LYR842-90194-2002.07.19-10.21.18--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

```
I've noted the doublesided tape from Radio Schlack is thicker than the
Antenna specialist tape. This affects tuning and performance. You're better
to go thinner than thicker, as you're severely lowering the capacitance.
The mount box/glass/mount foot should be viewed as a series capacitor with
the antenna.
```

>I got some clear doublestick tape from there, two strips is about perfect.
>Works great.

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---

624. [aprssig] APRS using the Yaesu FT-2600M

From: k9soa@att.net
Date: Fri, 19 Jul 2002 18:07:35 +0000
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-90197-2002.07.19-13.46.10--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Trying to connect a sound card TNC (AGWPE) to a Yaesu FT-2600M but can't get the audio to transmit.

Using RigBlaster and it works great with a Yaesu FT-847 but when I rejumper the RB for the 2600 mike connections, the transmit and receive work but no output audio. Tried both the mike input as well as the data port. Same results.

When using the mike connection (RJ12-6pin), when PTT is on, PACKET shows on the display. I have MIKE ON in the menu so audio SHOULD go through.

Anyone using a RigBlaster/2600M combination that can help?

--
Don

www.k9soa.net (EM77EX)

Home of "JEANNIE"
The House That Listens

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---

625. [aprssig] Overlays for WinAPRS 2.6.1

From: "Joseph Brassard" <brassardjn@att.net>
Date: Fri, 19 Jul 2002 13:34:43
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-90198-2002.07.19-14.13.13--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

For the Sproul Brothers:

Using an external text editor, and the identical format used for the DIGI overlays, I created a '.POS' file for an 'Overlay' to be superimposed on the WinAPRS map showing all of the mile markers, watering stations, aid stations and medical tent waypoints for the annual Air Force Marathon.

As an example, I edited waypoints into the database as:

```
Mile 1!3946.33N/08405.36W
Mile 2!3947.05N/08405.02W
Mile 3!3947.42N/08405.03W
etc..
```

When I bring up the "Display Overlay List" in WinAPRS2.6.1, the program has dropped the last 2 digits of the latitude/longitude readings and replaced them with "00" such as:

```
Mile 1  39 46'00"N   084 05' 00"W
Mile 2  39 47'00"N   084 05' 00"W
Mile 3  39 47'00"N   084 05' 00"W
etc..
```

This causes ALL waypoints to be erroneously located to the east and south of the intended location, and for some mile waypoints to occupy the same position.

Is there any way to modify the program to retain all the 6 and preferably 7/8 digits for a more precise visual display of the desired location such as:
39 46'32.9"N   084 05'36.1"W

Joe - KA8C
ka8C@arrl.net

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626. [aprssig] Re: Overlays for WinAPRS 2.6.1

From: Jeff Brenton KA9VNV <jeffb@csrye.org>
Date: Fri, 19 Jul 2002 13:46:15 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: aprssig@tapr.org
Message-ID: <LYR842-90200-2002.07.19-14.25.22--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Hello Joseph,

Your file is NOT identical to a POS file - it is missing symbols on the positions.

In past versions of WinAPRS, the decoding of the POS file format has been limited - only certain symbols work, and use of other symbols would cause positions to NOT be displayed... hence the existance of the LOG file version of the digipeater list.

I have no experience with v2.6.1, but I would guess it has the same limitations that previous ones have had. Try adding a symbol to the position, and restarting WinAPRS to load it.

JB> For the Sproul Brothers:

JB> Using an external text editor, and the identical format used for the DIGI
JB> overlays, I created a '.POS' file for an 'Overlay' to be superimposed on
JB> the WinAPRS map showing all of the mile markers, watering stations, aid
JB> stations and medical tent waypoints for the annual Air Force Marathon.

JB> As an example, I edited waypoints into the database as:

JB> Mile 1!3946.33N/08405.36W
JB> Mile 2!3947.05N/08405.02W
JB> Mile 3!3947.42N/08405.03W
JB> etc
..

JB> When I bring up the "Display Overlay List" in WinAPRS2.6.1, the program has
JB> dropped the last 2 digits of the latitude/longitude readings and replaced
JB> them with "00" such as:

JB> Mile 1 39 46'00"N   084 05' 00"W
JB> Mile 2 39 47'00"N   084 05' 00"W
JB> Mile 3 39 47'00"N   084 05' 00"W
JB> etc
..

JB> This causes ALL waypoints to be erroneously located to the east and south
JB> of the intended location, and for some mile waypoints to occupy the same
JB> position.

JB> Is there any way to modify the program to retain all the 6 and preferably
JB> 7/8 digits for a more precise visual display of the desired location such
JB> as:
JB> 39 46'32.9"N   084 05'36.1"W

--
Best regards,
 Jeff   mailto:jeffb@csrye.org

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627. [aprssig] Re: Overlays for WinAPRS 2.6.1

From: Bob Bruninga <bruninga@usna.edu>
Date: Fri, 19 Jul 2002 15:07:48 -0400 (EDT)
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: TAPR APRS Special Interest Group <aprssig@lists.tapr.org>
Message-ID: <LYR842-90202-2002.07.19-14.46.25--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

On Fri, 19 Jul 2002, Joseph Brassard wrote:

> As an example, I edited waypoints into the database as:
>
> Mile 1!3946.33N/08405.36W
> Mile 2!3947.05N/08405.02W
> Mile 3!3947.42N/08405.03W

They are missing the SYMBOL (icon) character so the format is not IAW the spec with possible undefined results... That might be the problem...

de WB4APR, bob

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628. [aprssig] APRS Backhaul

From: "Komljanec" <ve3pep@rac.ca>
Date: Fri, 19 Jul 2002 15:40:15 -0400
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: <jreinh@ix.netcom.com>
Message-ID: <LYR842-90209-2002.07.19-15.18.41--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Interesting comments on the benefits of APRS backhaul AND faster mobile transmission speeds.

This issue has been around for a while in Europe. Naturally the telephone tariff rates there drive the need, since there are no free local calls, hams have made use of AX.25 for their BBS and Igate like needs for both access and backhaul.

But when the Europeans talk of backhaul between digi's, they are doing it at much higher speeds than 9600 baud! More like 1.2 Mbps BPSK! See http://www.hamradio.si/hid.html; http://www.hamradio.si/1mbs.html ; http://www.hamradio.si/svv-hw.html ; http://lea.hamradio.si/~s53rm/SVE.htm or http://lea.hamradio.si/~s53rm/ for some serious hardware projects. Their projects and code are open, but would require some programming changes to be friendly to English.

It would seem appropriate that any backhaul between digi's today could use ISM band equipment (older AT&T WaveLan, or newer 802.11 cards) where connections to internet aren't available. So one way or another, you would think that high capacity backhaul solutions are possible and not very expensive.

Now if we could get APRS up to a higher speed life would be good. Even in sparsley populated areas of my province, I've heard 144.390 get very busy at times... enough so that a cheap telemetry application without a receiver (like MIM) would prove unreliable due to collisions.

'73

Tony K
VE3TK

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629. [aprssig] APRS, Handspring and a built in GPS -- will it work?

```
From: "Bob K8YS & Janet N8LBR" <jbcraft@adelphia.net>
Date: Fri, 19 Jul 2002 16:07:02 -0400
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-90210-2002.07.19-15.48.56--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain
```

```
I see on Handsprings web site, that they are selling a couple GPS plug-ins
for the Handspring PDA thing...

Will these GPS's work with PocketAPRS or APRS+??

Bob


---
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```

630. [aprssig] RE: PCsat ops normal on Weekend

```
From: "Andrew Rich" <andrew.rich@bigpond.com>
Date: Sat, 20 Jul 2002 06:54:35 +1000
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-90216-2002.07.19-16.33.06--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain
```

```
Havent heard PCSAT for a few days.


-----Original Message-----
From: bounce-aprssig-23621@lists.tapr.org
[mailto:bounce-aprssig-23621@lists.tapr.org]On Behalf Of Bob Bruninga
Sent: Friday, 19 July 2002 09:19
To: TAPR APRS Special Interest Group
Subject: [aprssig] PCsat ops normal on Weekend


PCsat will be "OPS NORMAL" on the weekend.  The last few days and Firday
we have been trying a new power saver mode to see if we can make it
through eclipse but no joy.  We had been turning DIGI off. (sorry)...

But for the weekend we will leave digi on and let users have it again and
probably into next week too..  In this mode the only alias that works is
via W3ADO-1. (Except for priority users on the side B uplink. see below).

PCsat is in max eclipse cycles now (35%) but by 25 July it will improve to
only 30% and so we will try our low power modes again then..  In the mean
time, enjoy...

We only have one priority user right now (if anyone else is on special
travel, let us konw?).  Look for N3IYI's railroad car downlinking on
144.39 over the east coast.

And during the 3 weeks begining 29 July we should have several people on
Naval Academy boats attempting to be tracked a few times a day via PCsat,
ISS and UO-22 out in the Atlantic.

de WB4APR@amsat.org, Bob

PCsat WEB  page     http://www.ew.usna.edu/~bruninga/pcsat.html
ISS-APRS FAQ:       http://www.ew.usna.edu/~bruninga/iss-faq.html
CUBESAT Designs     http://www.ew.usna.edu/~bruninga/cubesat.html
APRS LIVE pages     http://www.ew.usna.edu/~bruninga/aprs.html
APRS SATELLITES     http://www.ew.usna.edu/~bruninga/astars.html


---
You are currently subscribed to aprssig as: andrew.rich@bigpond.com
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```

631. [aprssig] Has anyone ever done this

From: "Andrew Rich" <andrew.rich@bigpond.com>
Date: Sat, 20 Jul 2002 07:57:29 +1000
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-90219-2002.07.19-17.36.04--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

```
Almost constant APRS transmissions ?

In theory the GPS spits out every second ? $GPRMC

I have done 12 seconds between TX

I am sure a rocket launch would last a few minutes and contitute tx rate of 1 pos / sec ?

Andy

-----Original Message-----
From: bounce-aprssig-23621@lists.tapr.org
[mailto:bounce-aprssig-23621@lists.tapr.org]On Behalf Of Komljanec
Sent: Saturday, 20 July 2002 05:40
To: TAPR APRS Special Interest Group
Cc: jreinh@ix.netcom.com
Subject: [aprssig] APRS Backhaul


Interesting comments on the benefits of APRS backhaul AND faster mobile
transmission speeds.

This issue has been around for a while in Europe.  Naturally the telephone
tariff rates there drive the need, since there are no free local calls, hams
have made use of AX.25 for their BBS and Igate like needs for both access
and backhaul.

But when the Europeans talk of backhaul between digi's, they are doing it at
much higher speeds than 9600 baud!  More like 1.2 Mbps BPSK!  See
http://www.hamradio.si/hid.html; http://www.hamradio.si/1mbs.html ;
http://www.hamradio.si/svv-hw.html ; http://lea.hamradio.si/~s53rm/SVE.htm
or http://lea.hamradio.si/~s53rm/ for some serious hardware projects.  Their
projects and code are open, but would require some programming changes to be
friendly to English.

It would seem appropriate that any backhaul between digi's today could use
ISM band equipment (older AT&T WaveLan, or newer 802.11 cards) where
connections to internet aren't available.  So one way or another, you would
think that high capacity backhaul solutions are possible and not very
expensive.

Now if we could get APRS up to a higher speed life would be good.  Even in
sparsley populated areas of my province, I've heard 144.390 get very busy at
times... enough so that a cheap telemetry application without a receiver
(like MIM) would prove unreliable due to collisions.

'73

Tony K
VE3TK




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---

632. [aprssig] RE: PCsat ops normal on Weekend

From: Bob Bruninga <bruninga@usna.edu>
Date: Fri, 19 Jul 2002 18:45:39 -0400 (EDT)
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: TAPR APRS Special Interest Group <aprssig@lists.tapr.org>
Message-ID: <LYR842-90220-2002.07.19-18.24.21--lyris.aprssig#tapr.org@lists.tapr.org>

Rendered body type: text/plain

```
On Sat, 20 Jul 2002, Andrew Rich wrote:

> Havent heard PCSAT for a few days.

Yes for the last 5 days we have tried a different power saving method to
try to make it through eclipse.  This includes turning everything except
a single once a minute 9600 baud telemetry pacekt off.  It hasn't worked.
Thus for the weekend, we are going to stop and just let PCsat continue to
operate for the users in sunshine...

> -----Original Message-----
> Subject: [aprssig] PCsat ops normal on Weekend
>
> PCsat will be "OPS NORMAL" on the weekend.  The last few days and Firday
> we have been trying a new power saver mode to see if we can make it
> through eclipse but no joy.  We had been turning DIGI off. (sorry)...
>
> But for the weekend we will leave digi on and let users have it again and
> probably into next week too..  In this mode the only alias that works is
> via W3ADO-1. (Except for priority users on the side B uplink. see below).
>
> PCsat is in max eclipse cycles now (35%) but by 25 July it will improve to
> only 30% and so we will try our low power modes again then..  In the mean
> time, enjoy...
>
> We only have one priority user right now (if anyone else is on special
> travel, let us konw?).  Look for N3IYI's railroad car downlinking on
> 144.39 over the east coast.
>
> And during the 3 weeks begining 29 July we should have several people on
> Naval Academy boats attempting to be tracked a few times a day via PCsat,
> ISS and UO-22 out in the Atlantic.
>
> de WB4APR@amsat.org, Bob


---
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```

633. [aprssig] Re: Antenna? (glass mount)

From: "Dave Thege" <dthege@ncfcomm.com>
Date: Fri, 19 Jul 2002 18:49:52 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-90223-2002.07.19-19.25.27--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

```
When I transferred mine from my old pickup to my new one I sued that black
double stick foam tape that RS sells. Antenna works OK (actually I think it
lowered the swr)>I've used it on both the D-7 and 700.
Dave N0XBN
----- Original Message -----
From: "Bill Vodall - WA7NWP" <wa7nwp@yahoo.com>
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Sent: Friday, July 19, 2002 12:58 AM
Subject: [aprssig] Re: Antenna? (glass mount)


>
> >
> >
> >My RS glassmounts spent 80kmiles on one car, and are on their second car.
>
> Does RS have a re-mount kit?   I have an antenna I waited too long to
> put on and it appears the tube of glue dried up.
>
> Thanks,
> Bill
>
>
> ---
> You are currently subscribed to aprssig as: dthege@ncfcomm.com
> To unsubscribe send a blank email to leave-aprssig-842K@lists.tapr.org
> Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org
>
>
```

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Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

634. [aprssig] APRS Talk at RAC Convention

From: Bob Bruninga <bruninga@usna.edu>
Date: Fri, 19 Jul 2002 19:53:29 -0400 (EDT)
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: aprsnews@lists.tapr.org
Message-ID: <LYR842-90227-2002.07.19-19.32.08--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

For what it is worth, I will be giving two seminars
at the Radio Amateurs of Canada (RAC) National
Convention 26-28 July in Vernon, British Columbia.

1730 Friday Food gathering
1100 Saturday
1000 Sunday

de WB4APR@amsat.org, Bob

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Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

635. [aprssig] Re: Antenna? (glass mount)

From: "Bob K8YS & Janet N8LBR" <jbcraft@adelphia.net>
Date: Fri, 19 Jul 2002 23:12:30 -0400
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-90244-2002.07.19-22.54.34--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

When I had to remount my thru-the-glass antenna, I used good old RTV --- a
THIN layer on both halves, then pressed to the glass as hard as I dared,
then held it in place with duct tape.... it worked great... so good, that
now that I want to move the antenna, I am afraid that I might break the
glass to peal it off.

Bob

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Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

636. [aprssig] Re: APRS Talk at RAC Convention

From: "fred houghton" <ve7ffk@mail.ocis.net>
Date: Fri, 19 Jul 2002 20:54:35 -0700
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: <aprsnews@lists.tapr.org>
Message-ID: <LYR842-90248-2002.07.19-23.30.31--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

We will be looking forward to your seminars with MUCH anticipation, Bob.
We have a lot to learn.
Cheers - Fred - VE7FFK

----- Original Message -----
From: "Bob Bruninga" <bruninga@usna.edu>
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: <aprsnews@lists.tapr.org>
Sent: Friday, July 19, 2002 4:53 PM
Subject: [aprssig] APRS Talk at RAC Convention

> For what it is worth, I will be giving two seminars
> at the Radio Amateurs of Canada (RAC) National
> Convention 26-28 July in Vernon, British Columbia.
>
> 1730 Friday Food gathering
> 1100 Saturday
> 1000 Sunday

>
> de WB4APR@amsat.org, Bob
>
>
>
> ---
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637. [aprssig] Re: APRS, Handspring and a built in GPS -- will it work?

From: "Jason Rausch" <ke4nyv@msn.com>
Date: Sat, 20 Jul 2002 3:16:11
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-90262-2002.07.20-03.54.46--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

The latest version on PocketAPRS specifically supports the Magellan GPS Springboard. Check out http://www.pocketaprs.com for details on it. Mike really packed in ALOT of support in the version for Handspring modules. I own two Visors myself and I love them. Info is on my site too at http://www.ke4nyv.com

73's
Jason KE4NYV
www.ke4nyv.com

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To unsubscribe send a blank email to leave-aprssig-842K@lists.tapr.org
Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

638. [aprssig] International Space Station seems to be working ok

From: "Andrew Rich" <andrew.rich@bigpond.com>
Date: Sat, 20 Jul 2002 23:05:58 +1000
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-90288-2002.07.20-08.44.44--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

```
16/07/02 10:27 RS0ISS>CQ:ARISS - INNTERNATIONAL SPACE STATION
16/07/02 12:04 RS0ISS>VK2BH:on board the International Space Station
16/07/02 12:04 RS0ISS>VK2BH:CMD(B/H/J/K/KM/L/M/R/S/SB/SP/ST/SR/V/?)>
16/07/02 12:04 RS0ISS>VK2BH:CMD(B/H/J/K/KM/L/M/R/S/SB/SP/ST/SR/V/?)>
16/07/02 12:05 RS0ISS>VK2BH:B(ye)     B [CR] disconnects you from PMS.
16/07/02 12:05 RS0ISS>VK2BH:H(elp)    H [CR] or ? [CR] displays this help file.
16/07/02 12:05 RS0ISS>VK2BH:J(log)    J [CR] displays a list of callsigns heard (optional date/time)
16/07/02 12:05 RS0ISS>VK2BH:K(ill)    K n [CR] deletes message number n  (only to/from your callsign).
16/07/02 12:05 RS0ISS>VK2BH:K(ill)    K n [CR] deletes message number n  (only to/from your callsign).
16/07/02 12:05 RS0ISS>VK2BH:KM(ine)   KM[CR] deletes all READ messages addressed to your call sign.
16/07/02 12:05 RS0ISS>VK2BH:L(ist)    L [CR] lists the 10 latest messages.
16/07/02 12:05 RS0ISS>VK2BH:M(ine)    M [CR] lists the 10 latest messages to/from your callsign.
16/07/02 12:05 RS0ISS>VK2BH:R(ead)    R n [CR] reads message number n.
16/07/02 12:05 RS0ISS>VK2BH:S(end)    S (callsign) [CR] begins a message addressed  to (callsign).
16/07/02 12:05 RS0ISS>VK2BH:SB        Sends Bulletin
16/07/02 12:05 RS0ISS>VK2BH:SP        Sends Personal
16/07/02 12:05 RS0ISS>VK2BH:ST        Sends Traffic
16/07/02 12:05 RS0ISS>VK2BH:          Subject: ending with [CR].
16/07/02 12:05 RS0ISS>VK2BH:          Text: End each line with [CR]. End message by
16/07/02 12:05 RS0ISS>VK2BH:           typing /ex [CR]  or  CTRL-Z [CR]
16/07/02 12:05 RS0ISS>VK2BH:           at the beginning of a new line.
16/07/02 12:05 RS0ISS>VK2BH:SR(eply)  SR n[CR] Sends a reply to message n prompting only for text.
16/07/02 12:05 RS0ISS>VK2BH:V(ersion) V [CR] displays the software version of the PMS system.
16/07/02 12:05 RS0ISS>VK2BH:
16/07/02 12:05 RS0ISS>CQ:ARISS - INNTERNATIONAL SPACE STATION
16/07/02 12:06 RS0ISS>VK2BH:Subject:
16/07/02 12:06 ZL2BEQ>CQ,RS0ISS*:
16/07/02 12:06 ZL4LL>APU24P,RS0ISS*,SGATE:=4553.65S/17032.00E(_John in Dunedin {UIV32}
16/07/02 12:07 RS0ISS>CQ:ARISS - INNTERNATIONAL SPACE STATION
16/07/02 12:07 ZL2BEQ>CQ,RS0ISS*:hi vk2bh
```

```
16/07/02 12:08 ZL2BEQ>CQ,RS0ISS*:
16/07/02 18:33 ZL4LL>APU24P,RS0ISS*,SGATE:=4553.65S/17032.00E-_John in Dunedin {UIV32}
16/07/02 18:33 RS0ISS>CQ:ARISS - INNTERNATIONAL SPACE STATION
16/07/02 18:37 RS0ISS>CQ:ARISS - INNTERNATIONAL SPACE STATION
16/07/02 20:10 RS0ISS>VK3XOR:
16/07/02 20:10 RS0ISS>VK3XOR:Subject:
16/07/02 20:10 RS0ISS>VK3XOR:Subject:
16/07/02 20:11 RS0ISS>VK3XOR:Subject:
16/07/02 20:11 RS0ISS>VK3XOR:Message:
16/07/02 20:11 RS0ISS>VK3XOR:Message:
16/07/02 20:11 RS0ISS>CQ:ARISS - INNTERNATIONAL SPACE STATION
16/07/02 20:13 RS0ISS>CQ:ARISS - INNTERNATIONAL SPACE STATION
17/07/02 11:07 RS0ISS>VK2BH:on board the International Space Station
17/07/02 11:07 RS0ISS>VK2BH:CMD(B/H/J/K/KM/L/M/R/S/SB/SP/ST/SR/V/?)>
17/07/02 11:07 RS0ISS>VK2BH:on board the International Space Station
17/07/02 11:07 RS0ISS>VK2BH:CMD(B/H/J/K/KM/L/M/R/S/SB/SP/ST/SR/V/?)>
17/07/02 11:07 RS0ISS>VK2BH:on board the International Space Station
17/07/02 11:07 RS0ISS>VK2BH:CMD(B/H/J/K/KM/L/M/R/S/SB/SP/ST/SR/V/?)>
17/07/02 11:07 RS0ISS>VK2BH:Subject:
17/07/02 11:07 RS0ISS>VK2BH:on board the International Space Station
17/07/02 11:07 RS0ISS>VK2BH:CMD(B/H/J/K/KM/L/M/R/S/SB/SP/ST/SR/V/?)>
17/07/02 11:07 RS0ISS>VK2BH:Subject:
17/07/02 11:08 RS0ISS>VK2BH:Message:
17/07/02 11:08 RS0ISS>CQ:ARISS - INNTERNATIONAL SPACE STATION
17/07/02 11:08 RS0ISS>VK2BH:Message:
17/07/02 11:10 RS0ISS>CQ:ARISS - INNTERNATIONAL SPACE STATION
17/07/02 12:45 ZL4LL>APU24P,RS0ISS*,SGATE:=4553.65S/17032.00E-_John in Dunedin {UIV32}
17/07/02 12:46 RS0ISS>CQ:ARISS - INNTERNATIONAL SPACE STATION
18/07/02 10:10 RS0ISS>CQ:ARISS - INNTERNATIONAL SPACE STATION
18/07/02 10:10 ZL1VDB>CQ,RS0ISS*,SGATE:=3459.30S/17331.31EC Dave Top O North.Hi one & All
18/07/02 10:11 ZL1VDB>CQ,RS0ISS*,SGATE:Any VKs ALIVE over there
18/07/02 10:12 RS0ISS>CQ:ARISS - INNTERNATIONAL SPACE STATION
18/07/02 10:12 ZL1VDB>CQ,RS0ISS*,SGATE:=3459.30S17331.31EC Dave Top O North.Hi one & All
18/07/02 11:48 RS0ISS>CQ:ARISS - INNTERNATIONAL SPACE STATION
18/07/02 19:52 RS0ISS>CQ:ARISS - INNTERNATIONAL SPACE STATION
18/07/02 19:56 RS0ISS>CQ:ARISS - INNTERNATIONAL SPACE STATION
18/07/02 19:56 P29JB>CQ,RS0ISS*:ANYONE OUT THERE ? DE P29JB
18/07/02 19:56 RS0ISS>P29JB:Logged on to RS0ISS's Personal Message System
18/07/02 19:56 RS0ISS>P29JB:CMD(B/H/J/K/KM/L/M/R/S/SB/SP/ST/SR/V/?)>
18/07/02 19:56 RS0ISS>P29JB:
18/07/02 19:56 RS0ISS>P29JB:Msg # Stat  Date     Time  To     From   @ BBS  Subject
18/07/02 19:56 RS0ISS>P29JB: 1066 P     00/00/00 00:27 PE2JMR I6JKW         Ciao Jan de Nando
18/07/02 19:56 RS0ISS>P29JB: 1065 T     00/00/00 00:26 ALL    I6JKW         Hi de i6jkw
18/07/02 19:56 RS0ISS>P29JB: 1062 BR    00/00/00 00:07 I6CGE  LW6DC         Hola amici !!!
18/07/02 19:56 RS0ISS>P29JB: 1061 B     00/00/00 00:06 F1AHH  LW6DC         73 friend !!!
18/07/02 19:56 RS0ISS>P29JB: 1060 BR    00/00/00 00:26 ALL    N6CO          2 Line ISS Keps 7-17
18/07/02 19:56 RS0ISS>P29JB: 1058 BR    00/00/00 00:55 ALL    F1AHH         73 de f1ahh in95qq
18/07/02 19:56 RS0ISS>P29JB: 1056 P     00/00/00 00:58 ON4CKT RS0ISS        ISS-WACHTEBEKE
19/07/02 09:12 RS0ISS>CQ:ARISS - INNTERNATIONAL SPACE STATION
19/07/02 10:52 RS0ISS>CQ:ARISS - INNTERNATIONAL SPACE STATION
19/07/02 18:58 RS0ISS>CQ:ARISS - INNTERNATIONAL SPACE STATION
19/07/02 19:00 RS0ISS>CQ:ARISS - INNTERNATIONAL SPACE STATION
20/07/02 09:52 RS0ISS>CQ:ARISS - INNTERNATIONAL SPACE STATION
20/07/02 17:58 RS0ISS>VK3YIC: 1091 B     02/07/20 07:55 RS0ISS VK3YIC        hello
20/07/02 17:58 RS0ISS>VK3YIC:[PMS CMD ERR]
20/07/02 17:58 RS0ISS>VK3YIC:CMD(B/H/J/K/KM/L/M/R/S/SB/SP/ST/SR/V/?)>
20/07/02 17:58 RS0ISS>VK3YIC:B(ye)     B [CR] disconnects you from PMS.
20/07/02 17:58 RS0ISS>VK3YIC:L(ist)    L [CR] lists the 10 latest messages.
20/07/02 17:59 RS0ISS>VK3YIC:M(ine)    M [CR] lists the 10 latest messages to/from your callsign.
20/07/02 17:59 RS0ISS>VK3YIC:R(ead)    R n [CR] reads message number n.
20/07/02 17:59 RS0ISS>VK3YIC:S(end)    S (callsign) [CR] begins a message addressed  to (callsign).
20/07/02 17:59 RS0ISS>VK3YIC:SB        Sends Bulletin
20/07/02 17:59 RS0ISS>VK3YIC:SP        Sends Personal
20/07/02 17:59 RS0ISS>VK3YIC:ST        Sends Traffic
20/07/02 17:59 RS0ISS>VK3YIC:          Subject: ending with [CR].
20/07/02 17:59 RS0ISS>VK3YIC:SR(eply)  SR n[CR] Sends a reply to message n prompting only for text.
20/07/02 17:59 RS0ISS>VK3YIC:V(ersion) V [CR] displays the software version of the PMS system.
20/07/02 17:59 RS0ISS>VK3YIC:CMD(B/H/J/K/KM/L/M/R/S/SB/SP/ST/SR/V/?)>
20/07/02 17:59 ZL2VAL>APU16N,RS0ISS*,SGATE:=3903.39S/17406.40E-_Alan's at home in New Plymouth {UIV23}
20/07/02 17:59 ZL1VDB>CQ,RS0ISS*,SGATE:=3459.30S/17331.31EC Dave Top O North.Hi one & All + VKs
20/07/02 18:01 ZL1VDB>CQ,RS0ISS*,SGATE:=3459.30S/17331.31EC Dave Top O North.Hi one & All + VKs
```

Andrew Rich
Callsign: VK4TEC
andrew.rich@bigpond.com
www.users.bigpond.com/andrew.rich/vk4tec.htm

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639. [aprssig] Glass mount antennae

From: "Alan Heaberlin" <amh@QNET.COM>
Date: Sat, 20 Jul 2002 08:30:42 -0700
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-90289-2002.07.20-11.08.04--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

I have been using glass mounts on my Ford Ranger for 8 years, and also used them on first a Bronco then moved them to an Explorer. Though the Radio Shack catalog says they have remount kits (I think Larsen does also) my local dealer wouldn't get them for me (as an independent he also refuses to stock ANY ham radio gear). I bought a roll of double sided foam tape that glaziers use to fabricate dual glazed window units. It is very thin foam with tough adhesive. The secret is to apply a bead of silicone rubber around the exterior part of the mount so it cannot get wet and weaken the foam tape in between the adhesive layers. Removal then becomes simply a matter of cutting the silicone bead with a razor and lifting the mount with a thin blade putty knife. I have never had one come off through extreme 4-Wheeling or storm chasing. Performance has been very acceptable and seems on par with the Diamond dual-band antenna on my Lincoln. Short coax runs and careful tuning of the SWR and tuning slug are critical. I also have not noticed the need to retune the box as one lister said.
Alan Heaberlin W6AMH

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640. [aprssig] Re: International Space Station seems to be working ok

From: "Dennis Hudson, N2LBT" <n2lbt@n2lbt.com>
Date: Sat, 20 Jul 2002 11:36:43 -0400
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-90290-2002.07.20-11.15.22--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Unfortunately most of the traffic appears to be non-aprs. Just a single station using the PBBS. If someone was interested to see the APRS data from the ISS on the internet, including your gate's traffic, try www.ariss.net

On 7/20/02 9:05 AM, "Andrew Rich" <andrew.rich@bigpond.com> wrote:

```
> 16/07/02 10:27 RS0ISS>CQ:ARISS - INNTERNATIONAL SPACE STATION
> 16/07/02 12:04 RS0ISS>VK2BH:on board the International Space Station
> 16/07/02 12:04 RS0ISS>VK2BH:CMD(B/H/J/K/KM/L/M/R/S/SB/SP/ST/SR/V/?)>
> 16/07/02 12:04 RS0ISS>VK2BH:CMD(B/H/J/K/KM/L/M/R/S/SB/SP/ST/SR/V/?)>
> 16/07/02 12:05 RS0ISS>VK2BH:B(ye)     B [CR] disconnects you from PMS.
> 16/07/02 12:05 RS0ISS>VK2BH:H(elp)    H [CR] or ? [CR] displays this help
```

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641. [aprssig] It does not take much power to get into ISS

From: Dave Kaplan <dkaplan@steffeninc.com>
Date: Sat, 20 Jul 2002 10:46:33 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-90292-2002.07.20-11.25.31--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Just checked the http://www.ariss.net/ page and found I am listed as being digi'd through ISS. I'm using a D7A into 75 ft of RG-8 feeding a V-42 antenna. The station runs unattended using Bobs APRSTK.

The purpose of running APRSTK was to received signals from ISS and feed them into FINDU. Being heard myself was a nice bonus.

WB0WNX
Sioux City, IA

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Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

642. [aprssig] Re: Glass mount antennae

From: David VanHorn <dvanhorn@cedar.net>
Date: Sat, 20 Jul 2002 13:23:28 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-90345-2002.07.20-14.03.43--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

The tape that I got is clear, and needs no other protection.
For the record, as of last night, they've outlasted my diamond 7900a
super-gainer. It's base coil shroud shattered last night, from UV exposure,
I assume.

This clear tape is a real winner, and the antennas don't suck either.

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643. [aprssig] Does anyone know how to trick

From: "Andrew Rich" <andrew.rich@bigpond.com>
Date: Sun, 21 Jul 2002 08:55:30 +1000
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-90368-2002.07.20-18.34.11--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Does anyone know how to trick a computer power supply into thinking it should be on ?

I have a HDD i want to power from a second PSU outboard

Andy

Andrew Rich
Callsign: VK4TEC
andrew.rich@bigpond.com
www.users.bigpond.com/andrew.rich/vk4tec.htm

You are currently subscribed to aprssig as: lyris.aprssig@tapr.org
To unsubscribe send a blank email to leave-aprssig-842K@lists.tapr.org
Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

644. [aprssig] Re: Does anyone know how to trick

From: Robbie <mwrobertson@attbi.com>
Date: Sat, 20 Jul 2002 18:16:30 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: TAPR APRS Special Interest Group <aprssig@lists.tapr.org>
Message-ID: <LYR842-90369-2002.07.20-18.54.45--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

I thought there was a QST article on that a while back, but I can't
find it.. One or both of the power outputs needs a load and the
resisters needs to be capable of dissipating some heat. I will try
to find the article..

Good luck,

Robbie   wa9inf

Andrew Rich wrote:
>
> Does anyone know how to trick a computer power supply into thinking it should be on ?
>
> I have a HDD i want to power from a second PSU outboard
>
> Andy
>
> ---
> Andrew Rich

```
> Callsign: VK4TEC
> andrew.rich@bigpond.com
> www.users.bigpond.com/andrew.rich/vk4tec.htm
>
> ---
> You are currently subscribed to aprssig as: mwrobertson@attbi.com
> To unsubscribe send a blank email to leave-aprssig-842K@lists.tapr.org
> Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

---
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Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org
```

---

645. [aprssig] Re: Does anyone know how to trick

From: Mark Fellhauer <sparkfel@qwest.net>
Date: Sat, 20 Jul 2002 19:37:07 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-90370-2002.07.20-20.16.21--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

```
At 05:55 PM 7/20/02, Andrew Rich wrote:

>Does anyone know how to trick a computer power supply into thinking it
>should be on ?
>
>I have a HDD i want to power from a second PSU outboard


I found the answer in about 20 seconds using google.com.

Google is your friend.

BTW,

Cyberguys sells a pre-made 5 volt dummy load for just such a purpose.

www.cyberguys.com

P/N 113 0282   - $9.95

73,

Mark
KC7BXS



---
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Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org
```

---

646. [aprssig] RE: Does anyone know how to trick

From: "Andrew Rich" <andrew.rich@bigpond.com>
Date: Sun, 21 Jul 2002 10:40:48 +1000
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-90371-2002.07.20-20.19.58--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

```
Thanks Mark,

Yeah i used google, but musta used the wrong search keywords

Andrew



-----Original Message-----
From: Mark Fellhauer [mailto:sparkfel@qwest.net]
Sent: Sunday, 21 July 2002 10:37
To: Andrew Rich; TAPR APRS Special Interest Group
Subject: Re: Does anyone know how to trick


At 05:55 PM 7/20/02, Andrew Rich wrote:

>Does anyone know how to trick a computer power supply into thinking it
>should be on ?
```

>
>I have a HDD i want to power from a second PSU outboard

I found the answer in about 20 seconds using google.com.

Google is your friend.

BTW,

Cyberguys sells a pre-made 5 volt dummy load for just such a purpose.

www.cyberguys.com

P/N 113 0282   - $9.95

73,

Mark
KC7BXS

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647. [aprssig] testing

From: Gerry Creager N5JXS <n5jxs@tamu.edu>
Date: Sun, 21 Jul 2002 07:48:14 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-90416-2002.07.21-08.24.37--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

campus e-mail problems...

gerry n5jxs

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Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

648. [aprssig] FM Satellites week of 21 July

From: Bob Bruninga <bruninga@usna.edu>
Date: Sun, 21 Jul 2002 11:47:32 -0400 (EDT)
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: TAPR APRS SIG <aprssig@lists.tapr.org>
Message-ID: <LYR842-90424-2002.07.21-11.26.20--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Mobile/FM Satellite Pass Periods/Freqs for the week of 07-21-2002

```
Sats 06 07 08 09 10 11 12 13 14 15 16 17 18 19 20 21 22 23 00 01 02 03
---- -- -- -- -- -- -- -- -- -- -- -- -- -- -- -- -- -- -- -- -- -- --
UO14      **********                       **********
SO41          *************                                * *********
AO16        ***********                      ***********
ISS                                          * ***********************
UO22 ******                      ***********
NO44        ************ **           **************
AO-7    ** ** *********                * ** ***** ****    <== not FM!>
Note:  Times are LOCAL SUN TIME for MID Northern Latitudes.
```

SOUTHERN Hemisphere pass times:

```
Sats 06 07 08 09 10 11 12 13 14 15 16 17 18 19 20 21 22 23 00 01 02 03
---- -- -- -- -- -- -- -- -- -- -- -- -- -- -- -- -- -- -- -- -- -- --
UO14   ***********                            **********
SO41                     *************            * ******** **
AO16      **********                            ***********
ISS       * **************************** *
UO22 **                             **********                       *
NO44 ***********                                ************
AO-7 ************                            *********** **  <==not FM>
Note:  Times are LOCAL SUN TIME for MID Southern Latitudes.
```

```
SAT  CALL     UPLINK                 DONWLINK              MODE       Altd
---- ------- ---------------------  -----------------  -  ---------- ----
AO-7          145.9  -432.15    LSB  145.97 29.502 USB  B  Analog     1450
AO10          435.03 -435.18    LSB  145.975-.825  USB  B  Analog     9000
UO11          none              ..   145.825       AFSK V  1200 ASCII  650
AO40          435.700           LSB  145.898       USB  B  Beacon     9000
ISS           144.49            FM   145.800       FM   V  Voice       370
ISS  RS0ISS   145.99            FM   145.800       AFSK V  1200 bd     370
RS13          145.96 -145.99    LSB   29.460-.50   USB  A  Analog      950
UO14          145.975           FM   435.070       FM   J  Voice       790
RS15          145.858-145.898   LSB   29.380 cntr  USB  A  Analog     2000
AO16 PACSAT-1 145.90,92,94,96   Man  437.051       USB  J  1200 PSK    810
LO19 LUSAT-1  145.84,86,88,90   Man  437.126       USB  J  1200 PSK    805
IO26 ITMSAT-1 145.875,90,925,95 Man  435.822       USB  J  1200 PSK    810
FO20          145.900-145.600   LSB  435.800-.900  USB  J  Analog     1300
FO29          145.900-145.600   LSB  435.800-.900  USB  J  Analog     1050
FO29          145.85,87,91      FSK  435.910       FSK  J  9600 JD    1050
UO22 UOSAT5   145.900           FSK  435.120       FSK  J  9600 BBS    760
KO25 HL02     145.980           FSK  436.502       FSK  J  9600 BBS    760
AO27          145.85    inop    FM   436.798       FM   J  Voice days  810
SO41          145.85            FM   436.775       FM   J  Voice       790
OPAL KF6RFX   437.100           FSK  437.100       FSK  U  9600 digi   815
NO44 W3ADO-1  145.825 days only AFSK 145.828       AFSK V  1200 bd     805
STARSHINE     145.825   inop    FSK  145.825       FSK  V  9600 bd     440
NO45 KE6QMD   145.945 beeps onlyAFSK 437.095       AFSK J  1200 bd     804
```

de WB4APR, Bob

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---

649. [aprssig] More surplus GPS receivers on market

From: "G. Beat \(W9GB\)" <gregory.beat@attbi.com>
Date: Sun, 21 Jul 2002 18:33:27 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-90480-2002.07.21-19.12.07--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

A number of surplus Motorola Oncore receivers is increasing.

I just received an e-mail this morning from a gentleman:

" I have been in the business of installing and servicing vehicle tracking
systems for about 9 years. Many of the early systems that I installed are
being taken out of service and replaced with newer equipment.
I often end up with the Motorola Oncore receivers from this surplus
equipment. I will probably be getting around 50 units with antennas in 2 to
3 weeks from a company that is starting to upgrade their equipment. I plan
to take some to a local Hamfest, do you think anyone's interested?"

Synergy is also having an excess inventory sale on 6 and 8 channel Oncore VP
receivers ($25 & $ 51)
http://www.synergy-gps.com/Excess_Inventory.pdf

Sounds like time to build that DGPS station or second tracking project.

73 de w9gb
Greg

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---

650. [aprssig] Re: Does anyone know how to trick

From: James Jefferson <jjeffers@deskmedia.com>
Date: Sun, 21 Jul 2002 20:45:03 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-90488-2002.07.21-21.18.39--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Andy,

When you are powering something like a hard drive you will not need the 5
volt "dummy load" that other people mentioned. That is simply for testing the
power supply. All you have to do for an ATX power supply is bring the power
on line low. It's usually a green wire in the middle of the ATX connector.
Look on google.com for ATX Power supply pinout for further details.

Works great, I use that "trick" for powering 10,000 RPM SCSI and Fibre
Channel drives with small 150watt E-Machines power supplies.

-Jim KB0THN

> Subject: Does anyone know how to trick
> From: "Andrew Rich" <andrew.rich@bigpond.com>
> Date: Sun, 21 Jul 2002 08:55:30 +1000
>
> Does anyone know how to trick a computer power supply into thinking it
> should be on ?
>
> I have a HDD i want to power from a second PSU outboard

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651. [aprssig] APRS DX ON EAST COAST

From: "Ron VE1AIC" <ve1aic@yahoo.com>
Date: Sun, 21 Jul 2002 21:1:29
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-90489-2002.07.21-21.40.08--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Great 2m band opening this morning and again this evening along the East
coast. Copying stations direct and thru our local nodes from as far south
as Virginia & Georgia like these:

```
N4EVA-13>BEACON,VE1TPL*,WIDE,WIDE <UI>:
!3721.57NN07556.48W#PHG6470A=000250/EVA APRS Club - Eastern Shore, VA

WB4IUY>APR810,KD4PBS-3*,WIDE6-2 <UI>:
=3555.35N/07822.24WyPHG3496/ Dave nr Youngsville, NC-810-

KD4PBC-14>GPS,W4NHV-9*,WIDE7-1,qAR,VE1UHF-1*:
$GPGGA,005724,3246.698,N,07957.840,W,1,07,1.5,7.4,M,-32.3,M,,*7F
```

The furthest seems to be almost 1400 miles.

73 - Ron VE1AIC
PEI CANADA

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652. [aprssig] Lindows

From: James Smith <k9apr@tawg.org>
Date: Mon, 22 Jul 2002 02:34:13 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-90523-2002.07.22-03.13.51--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Has anyone tried any APRS programs on Lindows yet? Within the next or
two I should be receiving my cd from them and just wanted to know.

Would you like to know more about Lindows? http://www.lindows.com ...

Thanks in advance,

--
73, James, K9APR
Chairman\Coordinator
Tri-State APRS Working Group
http://www.tawg.org
mailto:k9apr@tawg.org
Run a APRS Site? Why not join the APRS Webring

http://www.tawg.org/join.htm

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653. [aprssig] RE:Window Mount Antennas

From: "Vic Fraenckel" <vfraenc1@nycap.rr.com>
Date: Mon, 22 Jul 2002 05:05:14 -0400
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-90528-2002.07.22-04.44.06--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

I have a 2000 Blazer with factory installed sunshade (dark) windows. Will
this affect the use of a window mount antenna?

Any enlightenment will be appreciated.

TIA

Vic
____

Victor Fraenckel - The Windman   vfraenc1@nycap.rr.com
KC2GUI   www.windsway.com

Home of the WindReader Electronic Theodolite
Read the WIND

"Victory at all costs, victory in spite of all terror, victory however long
and hard the road may be; for without victory there is no survival."
- Winston [Leonard Spencer] Churchill (1874 - 1965)

Dost thou not know, my son, with how little wisdom the world is governed?
-Count Oxenstierna (ca 1620)

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654. [aprssig] RE: FM Satellites week of 21 July

From: "Andrew Rich" <andrew.rich@bigpond.com>
Date: Mon, 22 Jul 2002 19:34:22 +1000
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-90530-2002.07.22-05.13.03--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

I would like to take this opportunity to say a big thank you for including the freqs Bob !

Andrew

-----Original Message-----
From: bounce-aprssig-23621@lists.tapr.org
[mailto:bounce-aprssig-23621@lists.tapr.org]On Behalf Of Bob Bruninga
Sent: Monday, 22 July 2002 01:48
To: TAPR APRS Special Interest Group
Cc: TAPR APRS SIG
Subject: [aprssig] FM Satellites week of 21 July

Mobile/FM Satellite Pass Periods/Freqs for the week of 07-21-2002

```
Sats 06 07 08 09 10 11 12 13 14 15 16 17 18 19 20 21 22 23 00 01 02 03
---- -- -- -- -- -- -- -- -- -- -- -- -- -- -- -- -- -- -- -- -- -- --
UO14      **********                       **********
SO41          *************                                * *********
AO16        ***********                      ***********
ISS                                          * ***********************
UO22 ******                      ***********
NO44        ************ **           **************
AO-7    ** ** *********                * ** ***** ****    <== not FM!>
Note:  Times are LOCAL SUN TIME for MID Northern Latitudes.
```

SOUTHERN Hemisphere pass times:

```
Sats 06 07 08 09 10 11 12 13 14 15 16 17 18 19 20 21 22 23 00 01 02 03
---- -- -- -- -- -- -- -- -- -- -- -- -- -- -- -- -- -- -- -- -- -- --
UO14   ***********                            **********
SO41                     *************            * ******** **
AO16      **********                            ***********
ISS       * **************************** *
UO22 **                             **********                       *
NO44 ***********                                ************
AO-7 ************                            *********** **  <==not FM>
Note:  Times are LOCAL SUN TIME for MID Southern Latitudes.
```

```
SAT  CALL     UPLINK                 DONWLINK             MODE       Altd
---- -------  ---------------------  -----------------  -  ---------- ----
AO-7          145.9  -432.15    LSB  145.97 29.502 USB  B  Analog     1450
AO10          435.03 -435.18    LSB  145.975-.825  USB  B  Analog     9000
UO11          none              ..   145.825       AFSK V  1200 ASCII  650
AO40          435.700           LSB  145.898       USB  B  Beacon     9000
ISS           144.49            FM   145.800       FM   V  Voice       370
ISS  RS0ISS   145.99            FM   145.800       AFSK V  1200 bd     370
RS13          145.96 -145.99    LSB   29.460-.50   USB  A  Analog      950
UO14          145.975           FM   435.070       FM   J  Voice       790
RS15          145.858-145.898   LSB   29.380 cntr  USB  A  Analog     2000
AO16 PACSAT-1 145.90,92,94,96   Man  437.051       USB  J  1200 PSK    810
LO19 LUSAT-1  145.84,86,88,90   Man  437.126       USB  J  1200 PSK    805
IO26 ITMSAT-1 145.875,90,925,95 Man  435.822       USB  J  1200 PSK    810
FO20          145.900-145.600   LSB  435.800-.900  USB  J  Analog     1300
FO29          145.900-145.600   LSB  435.800-.900  USB  J  Analog     1050
FO29          145.85,87,91      FSK  435.910       FSK  J  9600 JD    1050
UO22 UOSAT5   145.900           FSK  435.120       FSK  J  9600 BBS    760
KO25 HL02     145.980           FSK  436.502       FSK  J  9600 BBS    760
AO27          145.85    inop    FM   436.798       FM   J  Voice days  810
SO41          145.85            FM   436.775       FM   J  Voice       790
OPAL KF6RFX   437.100           FSK  437.100       FSK  U  9600 digi   815
NO44 W3ADO-1  145.825 days only AFSK 145.828       AFSK V  1200 bd     805
STARSHINE     145.825   inop    FSK  145.825       FSK  V  9600 bd     440
NO45 KE6QMD   145.945 beeps onlyAFSK 437.095       AFSK J  1200 bd     804
```

de WB4APR, Bob

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655. [aprssig] RE:Window Mount Antennas

From: "Mike Yetsko" <myetsko@insydesw.com>
Date: Mon, 22 Jul 2002 07:39:36 -0400
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-90537-2002.07.22-07.21.41--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

>---- Original Message -----
From: "Vic Fraenckel" <vfraenc1@nycap.rr.com>

> I have a 2000 Blazer with factory installed sunshade (dark) windows.
Will
> this affect the use of a window mount antenna?

There isn't a 'blanket' answer that I know of. It really depends on the
material used in the windshield.

You might try browsing some of the cell phone sites. A while back,
I remember seeing one of them that had cars listed by what worked
and didn't for cell antennas on the windshield, but I don't recall where
I saw it. And I don't recall if they had generic info on all the windows
on vehicles.

Mike

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656. [aprssig] RE:Window Mount Antennas

From: Matt Steinhoff <mls@steinhoff.net>
Date: Mon, 22 Jul 2002 07:56:13 -0400
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: aprssig@lists.tapr.org
Message-ID: <LYR842-90538-2002.07.22-07.34.54--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

> I have a 2000 Blazer with factory installed sunshade
> (dark) windows. Will this affect the use of a window
> mount antenna?

Q: How much does window tint on a vehicle really effect
a glass mount antenna?
A: OEM window tints vary widely, and most have been found
to be acceptable based upon final installations. Ford
Instaclear▯ is a product that is known to degrade
performance. Any after-market tint should absolutely
be trimmed away before the "On-Glass" installation.

The full FAQ can be found here...
http://www.antenna.com/faqs_ongl.html

Matt (k4mls)

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657. [aprssig] RE:Window Mount Antennas

From: <tvsjr@sprynet.com>
Date: Mon, 22 Jul 2002 08:21:42 -0400
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: TAPR APRS Special Interest Group <aprssig@lists.tapr.org>,
aprssig@lists.tapr.org
Message-ID: <LYR842-90541-2002.07.22-08.01.58--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

One thing to think about is the new metallic tint being used in luxury vehicles. I know that Audis are particularly noted for this. The metallic tint blocks the use of tolltags and other RF devices, and I bet they'd wreak havoc with a glass-mount antenna (probably just short the conductor to ground).

Terry

On Mon, 22 Jul 2002 07:56:13 -0400 Matt Steinhoff <mls@steinhoff.net> wrote:

> I have a 2000 Blazer with factory installed sunshade

> (dark) windows. Will this affect the use of a window

> mount antenna?

Q: How much does window tint on a vehicle really effect

a glass mount antenna?

A: OEM window tints vary widely, and most have been found to be acceptable based upon final installations. Ford

Instaclear is a product that is known to degrade

performance. Any after-market tint should absolutely

be trimmed away before the "On-Glass" installation.

The full FAQ can be found here...

http://www.antenna.com/faqs_ongl.html

Matt (k4mls)

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658. [aprssig] RE:Window Mount Antennas

From: Bob Bruninga <bruninga@usna.edu>
Date: Mon, 22 Jul 2002 09:01:44 -0400 (EDT)
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: TAPR APRS Special Interest Group <aprssig@lists.tapr.org>
Message-ID: <LYR842-90550-2002.07.22-08.40.29--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

On Mon, 22 Jul 2002 tvsjr@sprynet.com wrote:

> One thing to think about is the new metallic tint being used in luxury
> vehicles. I know that Audis are particularly noted for this. The metallic tint
> blocks the use of tolltags and other RF devices, and I bet they'd wreak havoc
> with a glass-mount antenna...

How true!
The windows are OBAQUE to RF. I have a Pontiac Transport (Chevy Lumina,
or Olds Silouette) and that model has a HUGE dashboard that is almost
3 feet by 5 feet under that very HUGE raked back windshield.. You can
put 10 radios on your dashboard and still have room for more... But GPS
with all that sky wont work AT ALL.

No, I dont travel with radios on the dashboard, just telling you how huge
the windshiled is and how totaly RF shielding it is. Since the rest of
the car is PLASTIC, however, I just put the GPS between the driver and
passenger seats and it works well...

I made my first trip to dayton back in 1993 or 4 with my first tracker on
the dashboard and when I got back and looked at the capture file, the GPS
never got lock once in 500 miles...

Bob

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659. [aprssig] RE:Window Mount Antennas

From: <tvsjr@sprynet.com>
Date: Mon, 22 Jul 2002 09:14:52 -0400
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: TAPR APRS Special Interest Group <aprssig@lists.tapr.org>,
TAPR APRS Special Interest Group <aprssig@lists.tapr.org>
Message-ID: <LYR842-90551-2002.07.22-08.53.30--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Oops! This is why, on my Expedition, I pulled out the hole saw and knocked 13 holes in the roof for all the antennas. Sitting in the center of the roof is an Antenex NMO-mount GPS puck (black, of course, to match the other 12 black antennas on the roof and two on the hood), and it works exceptionally well. Plus, the coax run is RG-58, at least marginally better than the too-popular RG-174.

Terry

>I made my first trip to dayton back in 1993 or with my first tracker on

> the dashboard and when I got back and looked at the capture file, the GPS

> never got lock once in 500 miles...

---
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660. [aprssig] RE:Window Mount Antennas

From: "Ken" <n9zip@attbi.com>
Date: Mon, 22 Jul 2002 08:25:51 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-90552-2002.07.22-09.04.33--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Check the manufacture of the on the ant you want to use, They will give you information on the type of window it can't use on. Then simple check the logo on the glass.

I have two mounted on my tinted windows, with little or no problems at all on my S.U.V.. My glass was rated just below the manufactures cut off point for window tint.

Hope this helps
Ken N9ZIP

----- Original Message -----
From: "Vic Fraenckel" <vfraenc1@nycap.rr.com>
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Sent: Monday, July 22, 2002 4:05 AM
Subject: [aprssig] RE:Window Mount Antennas

> I have a 2000 Blazer with factory installed sunshade (dark) windows. Will
> this affect the use of a window mount antenna?
>
> Any enlightenment will be appreciated.
>
> TIA
>
> Vic
> ____
>
> Victor Fraenckel - The Windman   vfraenc1@nycap.rr.com
> KC2GUI
www.windsway.com
>
>   Home of the WindReader Electronic Theodolite
>   Read the WIND
>
> "Victory at all costs, victory in spite of all terror, victory however
long

> and hard the road may be; for without victory there is no survival."
> - Winston [Leonard Spencer] Churchill (1874 - 1965)
>
> Dost thou not know, my son, with how little wisdom the world is governed?
> -Count Oxenstierna (ca 1620)
>
>
>
> ---
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> Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org
>
>

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---

661. [aprssig] PCsat for everyone.

From: Bob Bruninga <bruninga@usna.edu>
Date: Mon, 22 Jul 2002 09:30:27 -0400 (EDT)
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-90553-2002.07.22-09.09.23--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

TO make it easier for normal APRS users to use PCsat, we are again
activating the RELAY and WIDE aliases so that anyone with a tracker can
QSY to 145.825 and work PCsat just like any other APRS digi... with no
path changes.

Three PCsat passes are currently occuring during each of these windows in
the Northern and Southern Hemispheres. This is LOCAL time...

```
       Sats 06 07 08 09 10 11 12 13 14 15 16 17 18 19 20 21 22 23 00
       ---- -- -- -- -- -- -- -- -- -- -- -- -- -- -- -- -- -- -- --
NORTH: NO44        ************ **           **************

SOUTH: NO44 ***********                                ************
```

Note, the morning ones probably wont work due to PCsat having just come
into sunshine and the batteries not being charged up enough to transmit
a full power packet. But the afternoon commute should work fine...

If you QSY your tracker, you can see if you were successful by looking on
http://pcsat.aprs.org

BoB, wb4apr

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---

662. [aprssig] Re: PCsat for everyone.

From: Matt Steinhoff <mls@steinhoff.net>
Date: Mon, 22 Jul 2002 09:47:09 -0400
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: aprssig@lists.tapr.org
Message-ID: <LYR842-90554-2002.07.22-09.25.49--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Which paths, if any, will no longer work so that
you had room to add RELAY and WIDE?

    Matt

Date: Mon, 22 Jul 2002 09:30:27 -0400 (EDT)
From: Bob Bruninga <bruninga@usna.edu>

TO make it easier for normal APRS users to use PCsat, we
are again activating the RELAY and WIDE aliases so that
anyone with a tracker can QSY to 145.825 and work PCsat
just like any other APRS digi... with no path changes.

Three PCsat passes are currently occuring during each of
these windows in the Northern and Southern Hemispheres.
This is LOCAL time...

```
       Sats 06 07 08 09 10 11 12 13 14 15 16 17 18 19 20 21 22 23 00
       ---- -- -- -- -- -- -- -- -- -- -- -- -- -- -- -- -- -- -- --
NORTH: NO44        ************ **           **************

SOUTH: NO44 ***********                                ************
```

Note, the morning ones probably wont work due to PCsat
having just come into sunshine and the batteries not
being charged up enough to transmit a full power packet.
But the afternoon commute should work fine...

If you QSY your tracker, you can see if you were successful
by looking on http://pcsat.aprs.org

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663. [aprssig] Re: PCsat for everyone.

From: Bob Bruninga <bruninga@usna.edu>
Date: Mon, 22 Jul 2002 09:56:08 -0400 (EDT)
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: aprssig@lists.tapr.org
Message-ID: <LYR842-90556-2002.07.22-09.34.56--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

On Mon, 22 Jul 2002, Matt Steinhoff wrote:

>
>   Which paths, if any, will no longer work so that
> you had room to add RELAY and WIDE?

PCSAT willl always work with W3ADO-1
On each orbit, command stations will *try* to also activate these:

RELAY and WIDE and ARISS and APRSAT

though only the RELAY and WIDE are in common use by terrestrials...
and that is all we are tyring to do, is to make it easy for fixed trackers
to join in... Its best to stick with W3ADO-1 of course... since the
command stations might not get the others turned on each time...

Bob

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664. [aprssig] APRSDos and RS WX station

From: "Richard Amirault" <ramirault@erols.com>
Date: Mon, 22 Jul 2002 10:55:05 -0400
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-90560-2002.07.22-10.33.51--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

I run APRSDos 824 with the Peet Ultitimeter II WX station 24/7 in the
Boston area. I just aquired a used Radio Shack WX200 weather station. This
has more features (barometer, humidity) than the Ultimeter. Does APRSDos
support this unit?

Richard Amirault   N1JDU   Boston,
MA, USA
ramirault@erols.com   "Go Fly A Kite"
http:// www.erols.com/ramirault

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665. [aprssig] DGPS on Ham Bands?

From: Paul Jacques <paulrjacques@yahoo.com>
Date: Mon, 22 Jul 2002 07:58:27 -0700 (PDT)
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-90561-2002.07.22-10.37.13--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Can I send out DGPS corrections on the ham bands
for non-commercial use? If so, what band can I use? I
want to goof around with robotics and want to be able
to guide a robot around my ranch using GPS/DGPS and an
electronic compass.

____
Do You Yahoo!?
Yahoo! Health - Feel better, live better
http://health.yahoo.com

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---

666. [aprssig] RE:Window Mount Antennas

From: David VanHorn <dvanhorn@cedar.net>
Date: Mon, 22 Jul 2002 10:02:17 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: TAPR APRS Special Interest Group <aprssig@lists.tapr.org>,
TAPR APRS Special Interest Group <aprssig@lists.tapr.org>
Message-ID: <LYR842-90562-2002.07.22-10.41.37--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

At 09:14 AM 7/22/2002 -0400, tvsjr@sprynet.com wrote:
>Oops! This is why, on my Expedition, I pulled out the hole saw and knocked 13
>holes in the roof for all the antennas. Sitting in the center of the roof is
>an Antenex NMO-mount GPS puck (black, of course, to match the other 12 black
>antennas on the roof and two on the hood), and it works exceptionally well.

My glass mounts are on the rear sidewindows of my expedition, with privacy
glass.

>Plus, the coax run is RG-58, at least marginally better than the
>too-popular RG-174.

EEK! Who uses 174? I'm seriously considering FSJ4-50 for my roof mount
antenna.

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---

667. [aprssig] Re: ISS Igates and antennas

From: Bob Bruninga <bruninga@usna.edu>
Date: Mon, 22 Jul 2002 11:48:40 -0400 (EDT)
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: TAPR APRS Special Interest Group <aprssig@lists.tapr.org>
Message-ID: <LYR842-90586-2002.07.22-11.27.26--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

On Sun, 14 Jul 2002, bob evinger wrote:

> primary which controls my 144.39 Igating and connections to the outside
> world hubs and a second instance the wd9eka-15 that is the ISS radio/tnc
> and it connects only to my primary wd9eka IGATE via tcp on the local
> machine. "fortunately"? via this method it appears to pass along the
> callsign of my ISS gate.

Great. Im trying to get someone to set up a javAPRS site that shows all
active IGates on each bird...
kk
de WB4APR< Bob

```
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Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org
```

---

668. [aprssig] Re: ISS Igates and antennas

```
From: Bob Bruninga <bruninga@usna.edu>
Date: Mon, 22 Jul 2002 11:54:26 -0400 (EDT)
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: TAPR APRS Special Interest Group <aprssig@lists.tapr.org>
Message-ID: <LYR842-90587-2002.07.22-11.33.08--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain
```

```
On Sun, 14 Jul 2002, bob evinger wrote:

>    HOpe the above makes sense, been a long day. 6 hours+ of driving
> takin g the oldest daughter to a ymca camp.

We thought our kids at camp for a month would give us some free time.
Now after the 13th 3 hour round trip we were wrong... Turns out Son and
daughter were at different weeks, daughter forgot hiking boots, parents
day, daughter wanted her violin for talent show, 2nd parents day, son had
to go to 3 day state swim meet..., pickup daughter, pick up son...etc

de WB4APR, Bob



---
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Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org
```

---

669. [aprssig] Re: DGPS on Ham Bands?

```
From: Jeff King <jeff@aerodata.net>
Date: Mon, 22 Jul 2002 10:59:30 -0500 (CDT)
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-90588-2002.07.22-11.38.08--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain
```

```
Quoting Paul Jacques <paulrjacques@yahoo.com>:

> Can I send out DGPS corrections on the ham bands
> for non-commercial use?

Yeap, and even a commerical user could use it if you had nothing to do with
them.


See:  http://www.tapr.org/tapr/html/Fdgps.html

Also, I have seen some DGPS code for the Garmin's GPS-25/35 as well to do this.

http://www.wombat.ie/gps/
http://artico.lma.fi.upm.es/numerico/miembros/antonio/async/
http://mywebpages.comcast.net/dmilbert/softs/index.html
http://www.stanford.edu/class/aa272c/

> If so, what band can I use?

Any that allow the data rate you are looking for.


> I
> want to goof around with robotics and want to be able
> to guide a robot around my ranch using GPS/DGPS and an
> electronic compass.

Take a look at this paper:

http://www-personal.umich.edu/~johannb/shared/pos96rep.pdf

I worked at the lab for sometime and it is not as easy as it seems. You'll
likely need to intergrate a few sensor's in. And do not discount odometry.

Good luck

Jeff
```

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670. [aprssig] HAMFEST Icon

From: Bob Bruninga <bruninga@usna.edu>
Date: Mon, 22 Jul 2002 13:35:48 -0400 (EDT)
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-90592-2002.07.22-13.14.32--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

APRS tip of the week:

By the way, the intended ICON for Hamfests was the EYEBALL Icon.
It is supposed to be used as an "eye catcher" for any big event that you
want everyone to be aware of...

In APRSdos ICons are drawn to many sizes and so the Eyeball is quite large
and cant miss it... Thats the main reason why it was used for HAMfests.

Bob, WB4APR

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671. [aprssig] Re: Lindows

From: "Curt Mills, WE7U" <hacker@tc.fluke.com>
Date: Mon, 22 Jul 2002 11:51:31 -0700 (PDT)
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: TAPR APRS Special Interest Group <aprssig@lists.tapr.org>
Message-ID: <LYR842-90596-2002.07.22-14.30.10--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

On Mon, 22 Jul 2002, James Smith wrote:

> Has anyone tried any APRS programs on Lindows yet? Within the next or
> two I should be receiving my cd from them and just wanted to know.

I'd like to hear whether Xastir runs on it. That'd be yet another
OS that we can claim (like we need any more!). If changes are
required to make it run on Lindows, we'll incorporate them so that
Lindows becomes a supported build target.

I haven't heard of anyone on the Xastir mailing lists trying it yet.
I think I saw one question like yours before, but no response.

Let me know if you hear something about it. Thanks.

Curt Mills, WE7U   hacker.NO_*SPAM@tc.fluke.com
Senior Methods Engineer/SysAdmin
"Lotto: A tax on people who are bad at math." -- unknown
"Windows: Microsoft's tax on computer illiterates." -- WE7U

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672. [aprssig] RE:Window Mount Antennas

From: blitz <blitz@macronet.net>
Date: Mon, 22 Jul 2002 15:00:37 -0400
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: aprssig@lists.tapr.org
Message-ID: <LYR842-90597-2002.07.22-14.39.33--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Generally a "tint" isn't a problem, as its merely a color introduced into
the plastic sandwiched into the safety glass. Its when the glass itself is
doped with a metallic compound to reduce UV penetration that we have RF
problems.

If anyone finds that list, I'd appreciate the URL as well....

At 07:39 7/22/02 -0400, you wrote:
> >---- Original Message -----
>From: "Vic Fraenckel" <vfraenc1@nycap.rr.com>
>
>
> > I have a 2000 Blazer with factory installed sunshade (dark) windows.
>Will
> > this affect the use of a window mount antenna?
>
>There isn't a 'blanket' answer that I know of. It really depends on the
>material used in the windshield.
>
>You might try browsing some of the cell phone sites. A while back,
>I remember seeing one of them that had cars listed by what worked
>and didn't for cell antennas on the windshield, but I don't recall where
>I saw it. And I don't recall if they had generic info on all the windows
>on vehicles.
>
>Mike

---
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---

673. [aprssig] RE:Window Mount Antennas

From: "Mike Yetsko" <myetsko@insydesw.com>
Date: Mon, 22 Jul 2002 15:04:11 -0400
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: <aprssig@lists.tapr.org>
Message-ID: <LYR842-90598-2002.07.22-14.46.20--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

> Generally a "tint" isn't a problem, as its merely a color introduced
into
> the plastic sandwiched into the safety glass. Its when the glass itself
is
> doped with a metallic compound to reduce UV penetration that we have RF
> problems.
>
> If anyone finds that list, I'd appreciate the URL as well....
>

Ahh, but a few of them are using a metalized layer as the tint. I
remember
reading that the radar detector manufacturers first discovered this a few
years back, and the concern quickly went to the cell people. And I'm
sure the GPS people.

Hmm, that might be a real simple way to test. At least, the windshield or
back window. Set your GPS up so you can see signal strength outside
the car, then move it inside the car at the edge of the front or rear
window.
It might give you an idea of what's getting through the glass.

Mike

---
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674. [aprssig] RE:Window Mount Antennas

From: <tvsjr@sprynet.com>
Date: Mon, 22 Jul 2002 15:15:55 -0400
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: TAPR APRS Special Interest Group <aprssig@lists.tapr.org>,
aprssig@lists.tapr.org
Message-ID: <LYR842-90605-2002.07.22-14.54.37--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

I don't think this is *every* vehicle, but it's at least some of them:

https://tagstore.ntta.org/tagstore/body-installation.html

Terry

On Mon, 22 Jul 2002 15:00:37 -0400 blitz <blitz@macronet.net> wrote:

Generally a "tint" isn't a problem, as its merely a color introduced into the plastic sandwiched into the safety glass. Its when the glass itself is doped with a metallic compound to reduce UV penetration that we have RF problems.

If anyone finds that list, I'd appreciate the URL as well....

At 07:39 7/22/02 -0400, you wrote:
> >---- Original Message -----
>From: "Vic Fraenckel" <vfraenc1@nycap.rr.com>
>
>
> > I have a 2000 Blazer with factory installed sunshade (dark) windows.
>Will
> > this affect the use of a window mount antenna?
>
>There isn't a 'blanket' answer that I know of. It really depends on the
>material used in the windshield.
>
>You might try browsing some of the cell phone sites. A while back,
>I remember seeing one of them that had cars listed by what worked
>and didn't for cell antennas on the windshield, but I don't recall where
>I saw it. And I don't recall if they had generic info on all the windows
>on vehicles.
>
>Mike

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675. [aprssig] RE:Window Mount Antennas

From: <tvsjr@sprynet.com>
Date: Mon, 22 Jul 2002 15:20:08 -0400
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: TAPR APRS Special Interest Group <aprssig@lists.tapr.org>,
aprssig@lists.tapr.org
Message-ID: <LYR842-90606-2002.07.22-14.58.58--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Here's a better list:

http://www.ezpassdrba.com/drba/static/info/exteriortags.html

Terry

On Mon, 22 Jul 2002 15:00:37 -0400 blitz <blitz@macronet.net> wrote:

Generally a "tint" isn't a problem, as its merely a color introduced into

the plastic sandwiched into the safety glass. Its when the glass itself is

doped with a metallic compound to reduce UV penetration that we have RF

problems.

If anyone finds that list, I'd appreciate the URL as well....

At 07:39 7/22/02 -0400, you wrote:

> >---- Original Message -----

>From: "Vic Fraenckel" <vfraenc1@nycap.rr.com>

>

>

> > I have a 2000 Blazer with factory installed sunshade (dark) windows.

>Will

> > this affect the use of a window mount antenna?

>

>There isn't a 'blanket' answer that I know of. It really depends on the

>material used in the windshield.

>

>You might try browsing some of the cell phone sites. A while back,

>I remember seeing one of them that had cars listed by what worked

>and didn't for cell antennas on the windshield, but I don't recall where

>I saw it. And I don't recall if they had generic info on all the windows

>on vehicles.

>

>Mike

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Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

676. [aprssig] RE:Window Mount Antennas

From: Harry Burford <res09c48@verizon.net>
Date: Mon, 22 Jul 2002 15:14:51 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-90614-2002.07.22-15.53.40--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

>From the technical reference area of the Larsen antenna web site is some additional information to add to the pile:

http://www.larsenantennas.com/technical/index.html

Q. How can I tell if the glass on my vehicle is suitable for one of Radiall/Larsen¹s on-glass antennas?

A. First, look near a corner of a window for words that mean "sun", relate to sun, or refer to ultraviolet or other forms of radiation. If you find terms like "Soft-Ray", "EZE-Cool", "Solar-Coat", "Solar-Cool" or similar terms, your glass is probably passivated and won¹t work with on-glass antennas. If you want to be 100% certain, and you don¹t find helpful words on the glass, ask a 2-way or cellular shop technician to test your glass with a capacitance meter.

Harry, KA0TTY

On 7/22/02 2:20 PM, "tvsjr@sprynet.com" <tvsjr@sprynet.com> wrote:

> Here's a better list:
>
> http://www.ezpassdrba.com/drba/static/info/exteriortags.html
>
>
>
> Terry
>
>
>
> On Mon, 22 Jul 2002 15:00:37 -0400 blitz <blitz@macronet.net> wrote:
>
>
>
> Generally a "tint" isn't a problem, as its merely a color introduced into
>
> the plastic sandwiched into the safety glass. Its when the glass itself is
>
> doped with a metallic compound to reduce UV penetration that we have RF
>
> problems.
>
>
>
> If anyone finds that list, I'd appreciate the URL as well....

```
>
>
>
>
>
> At 07:39 7/22/02 -0400, you wrote:
>
>>> ---- Original Message -----
>
>> From: "Vic Fraenckel" <vfraenc1@nycap.rr.com>
>
>>
>
>>
>
>>> I have a 2000 Blazer with factory installed sunshade (dark) windows.
>
>> Will
>
>>> this affect the use of a window mount antenna?
>
>>
>
>> There isn't a 'blanket' answer that I know of.  It really depends on the
>
>> material used in the windshield.
>
>>
>
>> You might try browsing some of the cell phone sites.  A while back,
>
>> I remember seeing one of them that had cars listed by what worked
>
>> and didn't for cell antennas on the windshield, but I don't recall where
>
>> I saw it.  And I don't recall if they had generic info on all the windows
>
>> on vehicles.
>
>>
>
>> Mike
>
>
>
>
>
> ---
>
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> Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org
>
>
>
>
>
> ---
> You are currently subscribed to aprssig as: list2@burford.org
> To unsubscribe send a blank email to leave-aprssig-842K@lists.tapr.org
> Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org
>


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677. [aprssig] RE:Window Mount Antennas

From: David VanHorn <dvanhorn@cedar.net>
Date: Mon, 22 Jul 2002 15:30:07 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-90615-2002.07.22-16.10.17--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

I would think that you could tell this by putting an SWR meter in line with
an HT antenna (one that's actually matched) and bringing it close to the
glass, in the middle of the window.

If it's RF transparent, then your SWR shouldn't increase much.
There will be some effect from the metal, which you can try in a passenger
window, with the window rolled down.

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To unsubscribe send a blank email to leave-aprssig-842K@lists.tapr.org
Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

678. [aprssig] Re: Lindows

From: Ken Cechura <kcechura@umr.edu>
Date: Mon, 22 Jul 2002 16:16:31 -0700
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: TAPR APRS Special Interest Group <aprssig@lists.tapr.org>
Message-ID: <LYR842-90623-2002.07.22-16.55.22--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

I had the opportunity to play with lindows (don't ask how...) and was not
very impressed. needless to say that machine is back to running Red Hat
7.2. It appeared to me to be just another distro of linux running WINE
(which, incidentally, is included with RH7.2)

Just MHO.

73
Ken

At 11:51 AM 7/22/2002 -0700, Curt Mills, WE7U wrote:
>On Mon, 22 Jul 2002, James Smith wrote:
>
> > Has anyone tried any APRS programs on Lindows yet? Within the next or
> > two I should be receiving my cd from them and just wanted to know.
>
>I'd like to hear whether Xastir runs on it. That'd be yet another
>OS that we can claim (like we need any more!). If changes are
>required to make it run on Lindows, we'll incorporate them so that
>Lindows becomes a supported build target.
>
>I haven't heard of anyone on the Xastir mailing lists trying it yet.
>I think I saw one question like yours before, but no response.
>
>Let me know if you hear something about it. Thanks.
>
>Curt Mills, WE7U   hacker.NO_*SPAM@tc.fluke.com
>Senior Methods Engineer/SysAdmin
>"Lotto: A tax on people who are bad at math." -- unknown
>"Windows: Microsoft's tax on computer illiterates." -- WE7U
>
>
>---
>You are currently subscribed to aprssig as: kcechura@umr.edu
>To unsubscribe send a blank email to leave-aprssig-842K@lists.tapr.org
>Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

```
     ||==============================||
     //   Kenneth R. Cechura, KC9UMR   \\
    //        kcechura@umr.edu          \\
    \\     Station Trustee, KF9ART      //
     \\     Freq Amateur Radio Team    //
      ||==============================||
```

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Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

679. [aprssig] WinAPRS 2.5.1 Igate question

From: "Brandon Cole" <brandonacole@yahoo.com>
Date: Mon, 22 Jul 2002 17:55:32
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-90628-2002.07.22-18.34.14--lyris.aprssig#tapr.org@lists.tapr.org>

Rendered body type: text/plain

```
I'm sure this has been asked before, and I apologize for possibly bringing
it up again, but is an unregistered version of WinAPRS 2.5.1 supposed to
forward other packets than its own?  If so, mine is not, and I have the
'Feed local data to TCP/IP' box checked.  Any information would be
appreciated.  Thanks!

Brandon
AD5ER

---
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Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org
```

680. [aprssig] RE: WinAPRS 2.5.1 Igate question

From: "Ben Miller" <benm@applink.net>
Date: Mon, 22 Jul 2002 18:13:12 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-90629-2002.07.22-18.52.17--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

```
>From the WinAPRS doc:

"The security of the APRSserve requires that we can verify that the people
feeding data are valid hams. This is a FCC requirement and we were very
careful about the implementation. If you are not registered, then APRSserve
cannot accept the data that you feed. It will accept your own data and send
it out to the other users on the internet. However it modifies your path so
that other IGates (Internet to RF gateways) can recognize that the data has
not been verified and thus NOT send it back to RF"

73,
Ben Miller
W5MBM
Vice President Rockwall Amateur Radio Club
Rowlett Texas RACES Weather Officer


> -----Original Message-----
> From: bounce-aprssig-26544@lists.tapr.org
> [mailto:bounce-aprssig-26544@lists.tapr.org]On Behalf Of Brandon Cole
> Sent: Monday, July 22, 2002 5:56 PM
> To: TAPR APRS Special Interest Group
> Subject: [aprssig] WinAPRS 2.5.1 Igate question
>
>
> I'm sure this has been asked before, and I apologize for possibly
> bringing
> it up again, but is an unregistered version of WinAPRS 2.5.1 supposed to
> forward other packets than its own?  If so, mine is not, and I have the
> 'Feed local data to TCP/IP' box checked.  Any information would be
> appreciated.  Thanks!
>
> Brandon
> AD5ER
>
> ---
> You are currently subscribed to aprssig as: benm@applink.net
> To unsubscribe send a blank email to leave-aprssig-842K@lists.tapr.org
> Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org
>


---
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Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org
```

681. [aprssig] Xastir verification for Inet access

From: John Kraus <jfkraus3@cox.net>
Date: Mon, 22 Jul 2002 20:21:51 -0400
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-90630-2002.07.22-19.59.40--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

```
I have finally gotten a Linux system working.  SuSe 8.0 and it came with
Xastir 0.3.3-3 I sent a message to the address listed in the documentation
```

and it was returned. How do I enable transmission to the internet? Also
what is the latest version? I have tried the xastir website but it seems
to be missing several pages.

I sent this to the Linux list but have not recieved a reply yet.

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Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

---

682. [aprssig] Re: Xastir verification for Inet access

From: "Curt Mills, WE7U" <hacker@tc.fluke.com>
Date: Mon, 22 Jul 2002 17:26:42 -0700 (PDT)
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: TAPR APRS Special Interest Group <aprssig@lists.tapr.org>
Message-ID: <LYR842-90631-2002.07.22-20.05.23--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

On Mon, 22 Jul 2002, John Kraus wrote:

> I have finally gotten a Linux system working. SuSe 8.0 and it came with
> Xastir 0.3.3-3 I sent a message to the address listed in the documentation
> and it was returned. How do I enable transmission to the internet? Also
> what is the latest version? I have tried the xastir website but it seems
> to be missing several pages.
>
> I sent this to the Linux list but have not recieved a reply yet.

    http://www.xastir.org
    http://sourceforge.net/projects/xastir/

Latest version is 1.1.3, released today. New enough for you? There
have been worlds of changes put in since 0.3.3. I think you're
going to like them.

Any more questions, subscribe to the xastir and/or xastir-dev
mailing lists, on the first web page mentioned. Or ask me.

Curt Mills, WE7U   hacker.NO_*SPAM@tc.fluke.com
Senior Methods Engineer/SysAdmin
"Lotto: A tax on people who are bad at math." -- unknown
"Windows: Microsoft's tax on computer illiterates." -- WE7U

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To unsubscribe send a blank email to leave-aprssig-842K@lists.tapr.org
Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

---

683. [aprssig] Error in DOSAPRS?

From: Ken Cechura <kcechura@umr.edu>
Date: Mon, 22 Jul 2002 17:23:35 -0700
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-90632-2002.07.22-20.05.50--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Dos 6.22
90 MHz Machine

APRSdos852

Error Message

"Out of memory in line 0 of module APRSPW at address 2BFB:0564"

Make sense to anyone? how can this be fixed? (Machine also has Win 3.11
on it)

thanks
Ken

```
      //////////////////////////////////////////////////////
     //        Kenneth R. Cechura, KC9UMR                //
    //             kcechura@umr.edu                     //
   //           President, W0EEE, 2002                 //
  // University of Missouri-Rolla Amateur Radio Club  //
//////////////////////////////////////////////////////
```

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Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

---

684. [aprssig] Re: Lindows

From: Bob Nielsen <nielsen@oz.net>
Date: Mon, 22 Jul 2002 14:12:03 -0700
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-90636-2002.07.22-20.52.44--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

I dug around their web site a bit. As far as I can tell, it is not
really a different OS, but is based on Debian Linux (probably highly
customized). Xastir should have no problems, assuming the necessary
libraries, etc., are included with Lindows.

It looks like you need to sign up with them for $99 before you can
access the download area. I'll stick with the "stock" version of
Debian (version 3.0 was finally released last week).

Bob, N7XY

On Mon, Jul 22, 2002 at 11:51:31AM -0700, Curt Mills, WE7U wrote:
> On Mon, 22 Jul 2002, James Smith wrote:
>
> > Has anyone tried any APRS programs on Lindows yet? Within the next or
> > two I should be receiving my cd from them and just wanted to know.
>
> I'd like to hear whether Xastir runs on it. That'd be yet another
> OS that we can claim (like we need any more!). If changes are
> required to make it run on Lindows, we'll incorporate them so that
> Lindows becomes a supported build target.
>
> I haven't heard of anyone on the Xastir mailing lists trying it yet.
> I think I saw one question like yours before, but no response.
>
> Let me know if you hear something about it. Thanks.
>

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To unsubscribe send a blank email to leave-aprssig-842K@lists.tapr.org
Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

---

685. [aprssig] KIPSS

From: Dave Kaplan <dkaplan@steffeninc.com>
Date: Mon, 22 Jul 2002 17:55:30 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-90642-2002.07.22-23.03.57--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Is there anyone on the SIG using KIPSS wth APRS+SA? I need somew help
getting it running.

Dave
WB0WNX

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To unsubscribe send a blank email to leave-aprssig-842K@lists.tapr.org
Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

---

686. [aprssig] APRS on your cell phone! -- New ATT Wireless service

From: WA8LMF2@aol.com
Date: Tue, 23 Jul 2002 04:17:17 EDT
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-90658-2002.07.23-03.56.05--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Commercial AVL isn't new but this looks like the first big push to sell
APRS-like position determination to the general public.....

AT&T'S "FIND FRIENDS" JUST THE TIP OF LOCATION TECHNOLOGY

The new "Find Friends" service offered by AT&T enables subscribers to
track via special cell phones the general locations of other users for
an extra monthly fee. Industry observers are waiting to see how fast
the service catches on and how the information will be used by
subscribers as an early indicator of future applications for location
determination technologies. (San Diego Union-Tribune)

http://www.signonsandiego.com/news/uniontrib/mon/business/news_mz1b22trackd.ht

ml

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687. [aprssig] RE: WinAPRS 2.5.1 Igate question

From: "Brandon Cole" <brandonacole@yahoo.com>
Date: Tue, 23 Jul 2002 6:45:0
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-90664-2002.07.23-07.23.41--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

I guess I missed that part while I was skimming through the documentation.
Thanks!

Brandon
AD5ER

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Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

688. [aprssig] Re: Error in DOSAPRS?

From: Bob Bruninga <bruninga@usna.edu>
Date: Tue, 23 Jul 2002 08:28:02 -0400 (EDT)
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: TAPR APRS Special Interest Group <aprssig@lists.tapr.org>
Message-ID: <LYR842-90676-2002.07.23-08.07.46--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

On Mon, 22 Jul 2002, Ken Cechura wrote:

> Dos 6.22
> 90 MHz Machine
> APRSdos852
> "Out of memory in line 0 of module APRSPW at address 2BFB:0564"

APRSdos needs about 550K of conventional RAM to run. Maybe slightly more,
I havent checked in a long time....

Bob

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Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

689. [aprssig] Re: APRS using the Yaesu FT-2600M

From: Dick Reichenbach <dreichen@columbus.rr.com>
Date: Tue, 23 Jul 2002 10:59:03 -0400
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: TAPR APRS Special Interest Group <aprssig@lists.tapr.org>
Message-ID: <LYR842-90681-2002.07.23-10.36.10--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

I've seen this problem on a FT-90, but not a 2600.

The solution for the FT-90 was to put a 27k resistor in line with pin 6.

Somewhere on the net there is a complete description of this solution.

I found it: http://www.kb2ljj.com/data/yaesu/ft-100.htm

```
k9soa@att.net wrote:

> Trying to connect a sound card TNC (AGWPE) to a Yaesu FT-
> 2600M but can't get the audio to transmit.
>
> Using RigBlaster and it works great with a Yaesu FT-847
> but when I rejumper the RB for the 2600 mike
> connections, the transmit and receive work but no output
> audio.  Tried both the mike input as well as the data
> port.  Same results.
>
> When using the mike connection (RJ12-6pin), when PTT is
> on, PACKET shows on the display.  I have MIKE ON in the
> menu so audio SHOULD go through.
>

>
> Anyone using a RigBlaster/2600M combination that can
> help?
>
> --
> Don
>
> www.k9soa.net  (EM77EX)
>
> Home of "JEANNIE"
> The House That Listens
>
> ---
> You are currently subscribed to aprssig as: dreichen@columbus.rr.com
> To unsubscribe send a blank email to leave-aprssig-842K@lists.tapr.org
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```

---

690. [aprssig] Student wins IEEE scholarship with APRS

From: Jeff King <jeff@aerodata.net>
Date: Tue, 23 Jul 2002 11:55:17 -0500 (CDT)
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-90701-2002.07.23-12.34.04--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

```
Congratulations to James Jefferson KB0THN

http://www.ieee.org/organizations/eab/newswire84.htm

---
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To unsubscribe send a blank email to leave-aprssig-842K@lists.tapr.org
Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org
```

---

691. [aprssig] RE: Student wins IEEE scholarship with APRS

From: "Sadowski, Allan" <allan.sadowski@ncshp.org>
Date: Tue, 23 Jul 2002 13:02:48 -0400
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-90702-2002.07.23-12.41.29--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

```
Definitely CONGRATS are in order for James... now... let's hope to see the
results on a web site !!!!!

> -----Original Message-----
> From: Jeff King [SMTP:jeff@aerodata.net]
> Subject:      [aprssig] Student wins IEEE scholarship with APRS
>
> Congratulations to James Jefferson KB0THN
>
> http://www.ieee.org/organizations/eab/newswire84.htm
>
> wa1lou@tapr.org

---
You are currently subscribed to aprssig as: lyris.aprssig@tapr.org
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Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org
```

692. [aprssig] RE: Student wins IEEE scholarship with APRS

From: Bill Diaz <william.diaz@attbi.com>
Date: Tue, 23 Jul 2002 12:06:35 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-90703-2002.07.23-12.45.24--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Attaboy, Jim.

Are there any links to your web page concerning your project?

Bill KC9XG

On Tuesday, July 23, 2002 11:55, Jeff King [SMTP:jeff@aerodata.net] wrote:

> Congratulations to James Jefferson KB0THN
>
> http://www.ieee.org/organizations/eab/newswire84.htm
>
> ---
> You are currently subscribed to aprssig as: kc9xg@attbi.com
> To unsubscribe send a blank email to leave-aprssig-842K@lists.tapr.org
> Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

---
You are currently subscribed to aprssig as: lyris.aprssig@tapr.org
To unsubscribe send a blank email to leave-aprssig-842K@lists.tapr.org
Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

693. [aprssig] Re: Student wins IEEE scholarship with APRS

From: <tvsjr@sprynet.com>
Date: Tue, 23 Jul 2002 13:42:54 -0400
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-90705-2002.07.23-13.21.39--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Not to be negative, but it would've been nice to at least see a credit to Bob and all the others (the LA digi owners, everyone who has installed APRS devices that report data, everyone who took part in developed the APRS spec, all the software developers, etc.) who have devoted a great deal of time, energy, and money to setting up the system he used for his project.

On Tue, 23 Jul 2002 11:55:17 -0500 (CDT) Jeff King <jeff@aerodata.net> wrote:

Congratulations to James Jefferson KB0THN

http://www.ieee.org/organizations/eab/newswire84.htm

You are currently subscribed to aprssig as: tvsjr@sprynet.com

To unsubscribe send a blank email to leave-aprssig-842K@lists.tapr.org

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To unsubscribe send a blank email to leave-aprssig-842K@lists.tapr.org
Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

694. [aprssig] Re: KIPSS

From: Bill Vodall - WA7NWP <wa7nwp@yahoo.com>
Date: Tue, 23 Jul 2002 10:51:53 -0700

To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-90706-2002.07.23-13.30.40--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

At 05:55 PM 7/22/02 -0500, Dave Kaplan wrote:
>Is there anyone on the SIG using KIPSS wth APRS+SA? I need somew help getting it running.

Works great here...

My configuration is:

```
OPEN:   Com1:9600,n,8,1

KISS ON: INT KISS<CR>RESET<CR>
```

Click "ON" - then Click "KISS ON"

You might have to change the KISS ON string.   I've found it sometimes needs
a click on "KISS ON" even if the TNC is already in KISS mode.   That doesn't
hurt anything.

Another trick is to make sure the port is OFF and not already being used
on the main Setup display screen.

Bill, WA7NWP

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To unsubscribe send a blank email to leave-aprssig-842K@lists.tapr.org
Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

695. [aprssig] Re: KIPSS

From: WA8LMF2@aol.com
Date: Tue, 23 Jul 2002 14:44:04 EDT
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-90710-2002.07.23-14.22.55--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

In a message dated 7/23/02 10:53:57 AM Pacific Daylight Time,
wa7nwp@yahoo.com writes:

```
> >Is there anyone on the SIG using KIPSS wth APRS+SA? I need somew help
> getting it running.
>
>  Works great here...
>
>  My configuration is:
>
>  OPEN:   Com1:9600,n,8,1
>
>  KISS ON: INT KISS<CR>RESET<CR>
>
```

He's not referring to the KISS mode in the program, but rather to the
separate program KIPSS ...   [I responded off list]

```
Stephen H. Smith                   wa8lmf @ aol.com
Home Page:
http://members.aol.com/wa8lmf
Ham Radio/Mobile SSTV page:     http://members.aol.com/wa8lmf/ham
APRS Stuff
http://members.aol.com/wa8lmf/aprs
------------------------------------------------------------------------------

----------
|    Radio Communications Systems       Personal Computers
|                Consulting and Systems Integration
|    GPS Custom Mapping    &     Radio Coverage Surveys
|    File Conversions       MS-Windows Setups       VISCII Fonts
------------------------------------------------------------------------------

-----------
```

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Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

696. [aprssig] Re: APRS on your cell phone! -- New ATT Wireless service

From: Jeff King <jeff@aerodata.net>
Date: Tue, 23 Jul 2002 14:13:06 -0500 (CDT)
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: TAPR APRS Special Interest Group <aprssig@lists.tapr.org>
Message-ID: <LYR842-90715-2002.07.23-14.51.52--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Garmin NavTalk has been able to do this for a few years now. Amazing how many
new things get "invented" each year (with a tip of the hat to APRS in light of
Garmin's recent patent on "APRS" (peer to peer AVL).

For NavTalk see:

http://www.garmin.com/products/navTalk/

-Jeff

Quoting WA8LMF2@aol.com:

> Commercial AVL isn't new but this looks like the first big push to sell
>
> APRS-like position determination to the general public.....
>
> AT&T'S "FIND FRIENDS" JUST THE TIP OF LOCATION TECHNOLOGY
>
> The new "Find Friends" service offered by AT&T enables subscribers to
> track via special cell phones the general locations of other users for
> an extra monthly fee. Industry observers are waiting to see how fast

---
You are currently subscribed to aprssig as: lyris.aprssig@tapr.org
To unsubscribe send a blank email to leave-aprssig-842K@lists.tapr.org
Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

697. [aprssig] Best Digi Antenna

From: Robert Marley <13764@UDel.Edu>
Date: Tue, 23 Jul 2002 16:03:43 -0400
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-90719-2002.07.23-15.43.43--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Can anyone make any recomendations for a digi antenna for a site that is
380'HAAT ?

Thanks in advance, Robert Marley N3OBQ

You are currently subscribed to aprssig as: lyris.aprssig@tapr.org
To unsubscribe send a blank email to leave-aprssig-842K@lists.tapr.org
Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

698. [aprssig] Re: Student wins IEEE scholarship with APRS

From: Jeff King <jeff@aerodata.net>
Date: Tue, 23 Jul 2002 15:11:12 -0500 (CDT)
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-90722-2002.07.23-15.49.58--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Quoting tvsjr@sprynet.com:

> Not to be negative,but it would've been nice to at least see a credit
> to Bob and all the others

http://www.aprsworld.com/info/introduction.php (near the bottom)

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Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

699. [aprssig] Re: Best Digi Antenna

From: "Bobby Graves \(KB5HAV\)" <kb5hav@hwn.org>
Date: Tue, 23 Jul 2002 15:14:49 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-90723-2002.07.23-15.53.49--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

> Can anyone make any recomendations for a digi antenna for a site that is
> 380'HAAT ?
>
> Thanks in advance, Robert Marley N3OBQ

I've used the Hustler G7-144 for years. 7dBd of gain.
I have had one operating a 2 meter repeater and a 2
meter digi for over 12 years without a problem.

Best Regards,
Bobby
KB5HAV
==============================
Bobby Graves
MMSN Net Schedule Coordinator
Hurricane Watch Net Member
1676 Ravenwood Lane
(601) 932-5301
Pearl, MS 39208
email: kb5hav@hwn.org
Webmaster of the Following
website: http://hwn.org
website: http://mmsn.org
Yahoo Messenger: kb5hav
AIM: kb5havbg
==============================

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700. [aprssig] APRS+SA Satellite Object like APRSData?

From: "Michael J. Wolthuis" <wolthui3@msu.edu>
Date: Tue, 23 Jul 2002 16:17:04 -0400
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-90725-2002.07.23-15.55.57--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

I heard information that an addon exists for APRS+SA to make it function as APRSData does for sending objects to the local RF. I am currently running APRSData, but would like to try running this with APRS+SA, any information on such a program would be great! I tried writing a few people off this list with no responses.

Thanks,
Mike
Kb8zgl

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701. [aprssig] Re: Best Digi Antenna

From: "George Kammerzell" <n0zed@rmaprs.org>
Date: Tue, 23 Jul 2002 14:25:18 -0600
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-90726-2002.07.23-16.04.02--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

for my very un-friendly sites , 11,000 ft , with 140mph winds all the time ,
I like arrow's j-pole, have not had a problem yet ,
----- Original Message -----
From: "Robert Marley" <13764@UDel.Edu>
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Sent: Tuesday, July 23, 2002 2:03 PM
Subject: [aprssig] Best Digi Antenna

```
> Can anyone make any recomendations for a digi antenna for a site that is
> 380'HAAT ?
>
> Thanks in advance, Robert Marley  N3OBQ
>
>
> ---
> You are currently subscribed to aprssig as: gkammerzell@microlink-d.com
> To unsubscribe send a blank email to leave-aprssig-842K@lists.tapr.org
> Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org
>
>



---
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```

702. [aprssig] Re: Best Digi Antenna

From: Greg Jurrens <greg@jurrens.net>
Date: Tue, 23 Jul 2002 15:31:23 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: aprssig@lists.tapr.org
Message-ID: <LYR842-90727-2002.07.23-16.11.13--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

```
Robert:

Our club has a number of Digipeaters and repeaters (about 60) up in Texas.  Our favorite weapon is the
Decibel Products DB-224 for VHF.  This is a 4 element loop antenna with a grounded mast.  We take a lot
of lightning and these seem to survive the best.  In Houston, due to the caustic elements in the air
(Ever seen stainless steel rust???) we use commercial Stationmaster fiberglass antennas.  Unfortunately,
 both of these are quite expensive new, but worth every penny if you compare the cost of a tower crew to
 climb 500' and replace a bad "Ham Grade" antenna that dies after a year or 2.  Many of our antennas
have been in the air since the early 80's.

If you can find a surplus DB-224 cut for the 150-160Mhz range, just order a new phasing harness from DB.
  The elements are close enough to use.  If properly refurbished with new stainless hardware and
chemical treatment or sandblasting, these will work like new for a long time.  Be sure to put Aluminum
tape over strapping tape to hold the new harness on.  This protects against UV.

Good luck!

73,
Greg
WD0ACD


On Tue, 23 Jul 2002 16:03:43 -0400
Robert Marley <13764@UDel.Edu> wrote:

> Can anyone make any recomendations for a digi antenna for a site that is
> 380'HAAT ?
>
> Thanks in advance, Robert Marley  N3OBQ
>
>
> ---
> You are currently subscribed to aprssig as: greg@jurrens.net
> To unsubscribe send a blank email to leave-aprssig-842K@lists.tapr.org
> Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org
>
>



--
Greg Jurrens - WD0ACD

---
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Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org
```

703. [aprssig] Howto: XASTIR on Lindows

From: David L Norris <kg9ae@webaugur.com>
Date: 23 Jul 2002 16:25:21 -0500

To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: WE7U Curt Mills <hacker@tc.fluke.com>, James Smith <k9apr@tawg.org>,
TAPR APRS Special Interest Group
 <aprssig@lists.tapr.org>
Message-ID: <LYR842-90730-2002.07.23-17.04.39--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

OK, I'm impressed!

Once you get your Lindows machine connected to the Internet...

1. Click the Go Menu (giant L; lower left kicker)
2. Navigate to Programs -> Utilities -> System Utilities
3. Select "Console"
4. type "apt-get update" and you'll see it update software catalog.
5. type "apt-get install xastir" and it installs XASTIR, ax25, etc
   answer any questions it asks. If in doubt go with the default.
6. type "xastir"

You are now (hopefully) running XASTIR 1.0.0 on Lindows. :-) Whenever
a new version of XASTIR is available via APT you can repeat the above
process to upgrade.

NOTE: This should work fine _even if_ you bought a Lindows-based machine
at Walmart and did not sign up for the $99/yr Lindows.com "Click N Run"
service.

You will need to manually create an icon on the desktop, it seems.
Right click on the desktop, select "Create New" menu and select the
"Link to Application" item. Give it a name and icon on the general tab,
and set command to "xastir" on the Execute tab. You don't want to link
it to any document types on the Application tab.

Maps, WX warning counties, sounds, FCC data, etc can be dropped into
their corresponding subdirectories in /usr/share/xastir. The XASTIR
help index should give you pointers on where to find the various data.
For those familiar, I think it's not unlike WinAPRS in this regard.

You should be able to install any Debian packages this way.

You can use "apt-get install <package>" where <package> is anything
listed in Debian software packages. Here are the Ham Radio sections:
http://packages.debian.org/testing/hamradio/
http://packages.debian.org/stable/hamradio/

If you look around the Debian software directory you should be able to
find some nice graphical APT utilities. That would make future software
installations a snap. No typing commands and such. ;-)

--
David Norris, ARS: KG9AE
KG9AE's Web - http://www.webaugur.com/dave/kg9ae/
ICQ - 412039

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704. [aprssig] Re: APRS+SA Satellite Object like APRSData?

From: Bill Vodall - WA7NWP <wa7nwp@yahoo.com>
Date: Tue, 23 Jul 2002 15:32:05 -0700
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-90745-2002.07.23-18.10.56--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

At 04:17 PM 7/23/02 -0400, Michael J. Wolthuis wrote:
>I heard information that an addon exists for APRS+SA to make it function
>as APRSData does for sending objects to the local RF. I am currently
>running APRSData, but would like to try running this with APRS+SA, any
>information on such a program would be great! I tried writing a few
>people off this list with no responses.

Fortunately a WikiWiki makes it Quick-Quick to import documentation from
the old html format.

```
   http://www.jnos.org/cgi-bin/moin.cgi/Wa7nwpPacketTool


73,
Bill - WA7NWP


---
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```

705. [aprssig] Re: Best Digi Antenna

From: "W5JSR" <w5jsr@arrl.net>
Date: Tue, 23 Jul 2002 17:40:14 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-90757-2002.07.23-18.18.59--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

```
Home made J-Pole. Been operating as a digi antenna for over 10 years.

73 de Scott, W5JSR

----- Original Message -----
From: "Robert Marley" <13764@UDel.Edu>
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Sent: Tuesday, July 23, 2002 3:03 PM
Subject: [aprssig] Best Digi Antenna


> Can anyone make any recomendations for a digi antenna for a site that is
> 380'HAAT ?
>
> Thanks in advance, Robert Marley  N3OBQ
>
>
> ---
> You are currently subscribed to aprssig as: w5jsr@arrl.net
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>
>



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```

706. [aprssig] Re: Student wins IEEE scholarship with APRS

From: Robbie <mwrobertson@attbi.com>
Date: Tue, 23 Jul 2002 18:34:18 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: TAPR APRS Special Interest Group <aprssig@lists.tapr.org>
Message-ID: <LYR842-90765-2002.07.23-19.12.41--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

```
I seem to be confused Jeff, KB0THN is a James J. Jarvis, _not_
James J. Jefferson, and I don't see a callsign for Mr.
Jefferson...

Robbie,   wa9inf

Jeff King wrote:
>
> Quoting tvsjr@sprynet.com:
>
> > Not to be negative,but it would've been nice to at least see a credit
> > to Bob and all the others
>
> http://www.aprsworld.com/info/introduction.php  (near the bottom)
>
> ---
> You are currently subscribed to aprssig as: mwrobertson@attbi.com
> To unsubscribe send a blank email to leave-aprssig-842K@lists.tapr.org
> Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

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707. [aprssig] Re: Student wins IEEE scholarship with APRS

From: "Curt Mills, WE7U" <hacker@tc.fluke.com>
Date: Tue, 23 Jul 2002 16:47:43 -0700 (PDT)
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: TAPR APRS Special Interest Group <aprssig@lists.tapr.org>
Message-ID: <LYR842-90766-2002.07.23-19.26.29--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

```
On Tue, 23 Jul 2002, Robbie wrote:

> I seem to be confused Jeff, KB0THN is a James J. Jarvis, _not_
> James J. Jefferson, and I don't see a callsign for Mr.
> Jefferson...

Yea, but go to qrz.com and poke around in kb0thn's detailed listings
and you'll see a picture that looks like the same guy.  You'll also
see both Jefferson and Jarvis mentioned in portions of the e-mail
addresses.  I think we've got the right guy...

Curt Mills, WE7U                        hacker.NO_*SPAM@tc.fluke.com
Senior Methods Engineer/SysAdmin
"Lotto:    A tax on people who are bad at math." -- unknown
"Windows:  Microsoft's tax on computer illiterates." -- WE7U


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```

708. [aprssig] Re: Student wins IEEE scholarship with APRS

From: Robbie Robertson <mwrobertson@attbi.com>
Date: Tue, 23 Jul 2002 18:51:05 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: TAPR APRS Special Interest Group <aprssig@lists.tapr.org>
Message-ID: <LYR842-90767-2002.07.23-19.29.39--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

```
Apparently so Curt, but I did get confused as I first wanted to
see why he got interested in APRS programming and not be an
amateur! HI... It would seem he is...

Thanks, and disregard Jeff, sri....

Robbie

"Curt Mills, WE7U" wrote:
>
> On Tue, 23 Jul 2002, Robbie wrote:
>
> > I seem to be confused Jeff, KB0THN is a James J. Jarvis, _not_
> > James J. Jefferson, and I don't see a callsign for Mr.
> > Jefferson...
>
> Yea, but go to qrz.com and poke around in kb0thn's detailed listings
> and you'll see a picture that looks like the same guy.  You'll also
> see both Jefferson and Jarvis mentioned in portions of the e-mail
> addresses.  I think we've got the right guy...
>
> Curt Mills, WE7U                        hacker.NO_*SPAM@tc.fluke.com
> Senior Methods Engineer/SysAdmin
> "Lotto:    A tax on people who are bad at math." -- unknown
> "Windows:  Microsoft's tax on computer illiterates." -- WE7U

--

- Robbie Robertson -
...-.- wa9inf ...-.-

---
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709. [aprssig] Re: Student wins IEEE scholarship with APRS

From: Mark Fellhauer <sparkfel@qwest.net>
Date: Tue, 23 Jul 2002 19:06:06 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-90768-2002.07.23-19.45.00--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

```
At 06:34 PM 7/23/02, Robbie wrote:

>I seem to be confused Jeff, KB0THN is a James J. Jarvis, _not_
>James J. Jefferson, and I don't see a callsign for Mr.
>Jefferson...

Since something like 2/3rds of all marriages end in divorce, it's not
uncommon for young people today to have "variable" last names.   A legal
last name may not be the one a child uses in real life.   If you called my
mom and asked to speak to Mrs. Fellhauer, she'd understand, but she hasn't
used that last name since 1979...

  I'm <<assuming>> that's the case in this situation...   If you look at
the QRZ bio his link is to jjeffers...and the pictures match...




---
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710. [aprssig] MAPSCO Overlay

From: "Mark Holmes" <kd5kof@juno.com>
Date: Tue, 23 Jul 2002 20:32:38
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-90769-2002.07.23-21.11.21--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

```
Has anyone come up with a way to put Mapsco grids over APRS+SA. We use
Mapsco coordinates in our Skywarn group, so it would be nice to use Street
Atlas for everything.

---
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```

711. [aprssig] Xastir 1.1.0 working

From: John Kraus <jfkraus3@cox.net>
Date: Tue, 23 Jul 2002 21:55:43 -0400
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-90771-2002.07.23-21.33.31--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

```
Thanks to Gerry and Curt I now have Xastir 1.1.0 running on my SuSE 8.0
system.

 I will spend some time with it tomorrow.  Later this week I may move up to
the latest release.  Since this was my first compile of a program on this
system I chose to go with the last stable release rather than the newest
version.   I think it makes it easier to debug problems if you are working
with a known good version.

So far it looks good.

---
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Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org
```

712. [aprssig] Re: MAPSCO Overlay

From: Rich Osman <Rich@Osman.com>
Date: Tue, 23 Jul 2002 21:00:03 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: TAPR APRS Special Interest Group <aprssig@lists.tapr.org>
Message-ID: <LYR842-90772-2002.07.23-21.40.22--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

```
I called Mapsco last year to see if they would offer SA overlays as a product,
or if they'd reveal the grid coordinates.  They'll do neither.  I thought
about deriving them, but that's pretty tedious, and more work than I wanted to
put in.  It's interesting that MAPSCO sells SA, but considers it a
```

competitor. I think they could make money on 'local enhancements' to SA, but they don't believe there's volume there.

Sigh.

Maybe we need to set our net controls up to understand MGRS and MAPSCO.

Mark Holmes wrote:

> Has anyone come up with a way to put Mapsco grids over APRS+SA. We use
> Mapsco coordinates in our Skywarn group, so it would be nice to use Street
> Atlas for everything.
>
> ---
> You are currently subscribed to aprssig as: rich@osman.com
> To unsubscribe send a blank email to leave-aprssig-842K@lists.tapr.org
> Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

--
mailto:Rich@Osman.com http://www.rich.osman.com
Rich Osman; POB 93167; Southlake, TX 76092 (Near DFW Airport) ARS: N1OZ

If you receive something that says "Send this to everyone you know,"
      PLEASE pretend you don't know me.

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Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

---

713. [aprssig] Re: Xastir 1.1.0 working

From: "Curt Mills, WE7U" <hacker@tc.fluke.com>
Date: Tue, 23 Jul 2002 19:03:45 -0700 (PDT)
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: TAPR APRS Special Interest Group <aprssig@lists.tapr.org>
Message-ID: <LYR842-90773-2002.07.23-21.42.47--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

On Tue, 23 Jul 2002, John Kraus wrote:

> I will spend some time with it tomorrow. Later this week I may move up to
> the latest release. Since this was my first compile of a program on this
> system I chose to go with the last stable release rather than the newest
> version.   I think it makes it easier to debug problems if you are working
> with a known good version.

Chicken! hi hi

Except for rare instances, our "development" versions are usually pretty stable as well. Of course one of those instances was when I broke something last friday morning early AM, but really, they are rare. Really.

I had it fixed by friday night.

You would do well to install the latest 1.1.3 release (the one released today).

Curt Mills, WE7U   hacker.NO_*SPAM@tc.fluke.com
Senior Methods Engineer/SysAdmin
"Lotto: A tax on people who are bad at math." -- unknown
"Windows: Microsoft's tax on computer illiterates." -- WE7U

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To unsubscribe send a blank email to leave-aprssig-842K@lists.tapr.org
Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

---

714. [aprssig] Re: Student wins IEEE scholarship with APRS

From: James Jefferson <jjeffers@aprsworld.net>
Date: Tue, 23 Jul 2002 23:14:52 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-90822-2002.07.23-23.48.33--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Yep, I'm me. I'm James Jefferson Jarvis, and as Mark guessed my last night is
the wild-card variable. I would have answered earlier, but I subscribe to
APRSSIG in digest mode.

:-)

Anyhow, from looking at my server logs I see that some people have already
discovered
http://db.aprsworld.net/datamart/search.php
which is the simple web interface from my database, ala FINDU. I wasn't quite
ready for things to be opened up to the public, but that's okay. Please feel
free to explore and let me know what you think.

The source code for the parser is available from
http://sourceforge.net/projects/aprsworld/
It is licensed under the GNU GPL license, which is an Open Source license. I
also welcome any volunteers. (And I thank David Norris who has already been
contributing good code and ideas)

Some of my science fair explanations are available online at:
http://www.aprsworld.net/info/introduction.php

Notably missing is the giant map of the APRS gathered traffic speeds for LA.
I have it on a 30 x 40" printout next to be, but the TIFF file that generated
that is over 400 megabytes. Instead of making you download all that, you can
have db.aprsworld.net rasterize the map from about 500 megabytes of GIS data.
Take a look at:
http://db.aprsworld.net/mapserver/la.php

Basically the the brighter red the road then the faster the average speed
that APRS equipped vehicles traveled. An explanation of how this was done can
be found at:
http://aprsworld.net/info/giant-map-of-la.php

-Jim Jefferson KB0THN

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To unsubscribe send a blank email to leave-aprssig-842K@lists.tapr.org
Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

715. [aprssig] Re: APRS on your cell phone! -- New ATT Wireless service

From: Richard Parry <rparry@actionware.sdcoxmail.com>
Date: Tue, 23 Jul 2002 23:39:43 -0700
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: TAPR APRS Special Interest Group <aprssig@lists.tapr.org>
Message-ID: <LYR842-90835-2002.07.24-02.18.28--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Using a cell phone for position location is TOTALLY different than the
Garmin technology which requires a clear view of the sky. Cell phones allow
position location in buildings, tunnels, etc. They use GPS, non-GPS, and
GPS aided position location. It is a very different technology.

At 02:13 PM 7/23/2002 -0500, Jeff King wrote:
>Garmin NavTalk has been able to do this for a few years now. Amazing how many
>new things get "invented" each year (with a tip of the hat to APRS in
>light of
>Garmin's recent patent on "APRS" (peer to peer AVL).
>
>For NavTalk see:
>
>http://www.garmin.com/products/navTalk/
>
>
>-Jeff
>
>Quoting WA8LMF2@aol.com:
>
> > Commercial AVL isn't new but this looks like the first big push to sell
> >
> > APRS-like position determination to the general public.....
> >
> > AT&T'S "FIND FRIENDS" JUST THE TIP OF LOCATION TECHNOLOGY
> >
> > The new "Find Friends" service offered by AT&T enables subscribers to
> > track via special cell phones the general locations of other users for
> > an extra monthly fee. Industry observers are waiting to see how fast
>

>---
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>To unsubscribe send a blank email to leave-aprssig-842K@lists.tapr.org
>Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

---
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Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

716. Your confirmation is needed (ok 842)

From: Lyris <unsubscribe-confirm@lists.tapr.org>
Date: Wed, 24 Jul 2002 05:28:09 -0500
To: lyris.aprssig@tapr.org
Message-ID: <LYR842-90842-2002.07.24-05.28.09--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Your email address 'lyris.aprssig@tapr.org' has been submitted to be
unsubscribed from the 'aprssig' mailing list.

This unsubscribe command requires your confirmation that you want to be
unsubscribed.

To confirm that you do want to unsubscribe, reply to this message so that
the words "ok 842" appear somewhere on the subject line.

Make sure that your reply message is addressed to
unsubscribe-confirm@lists.tapr.org

You will receive notification that your confirmation has been received, and
that you have been unsubscribed.

If you do not want to unsubscribe, do nothing. You will be kept on the
mailing list.

```
Return-Path: <emailharvest@email.com>
Received: from localhost.com ([218.0.77.169]) by lists.tapr.org with SMTP (Lyris Server version 3.0);
Wed, 24 Jul 2002 05:28:06 -0500
From: emailharvest@email.com
Reply-To: emailharvest@email.com
To: aprssig-request
Date: Wed, 24 Jul 2002 17:49:11 +0800
Subject:
X-Mailer: QuickSender 1.05
MIME-Version: 1.0
Content-Type: text/html; charset="us-ascii"
Content-Transfer-Encoding: quoted-printable

# Mail sent to leave-aprssig-842k was converted to these commands:
unsubscribe aprssig lyris.aprssig@tapr.org confirm
end

# This is the text of the message that triggered the action:

Return-Path: <emailharvest@email.com>
Received: from localhost.com ([218.0.77.169]) by lists.tapr.org with SMTP (Lyris Server version 3.0);
Wed, 24 Jul 2002 05:28:06 -0500
From: emailharvest@email.com
Reply-To: emailharvest@email.com
To: leave-aprssig-842k@lists.tapr.org
Date: Wed, 24 Jul 2002 17:49:11 +0800
Subject: Harvest lots of E-mail addresses quickly !
X-Mailer: QuickSender 1.05
MIME-Version: 1.0
Content-Type: text/html; charset="us-ascii"
Content-Transfer-Encoding: quoted-printable

Dear leave-aprssig-842k =2C

=3CBODY bgColor=3D#ffccff=3E
=3CTABLE border=3D0 cellPadding=3D0 cellSpacing=3D0 width=3D475=3E
  =3CTBODY=3E
  =3CTR=3E
    =3CTD align=3Dmiddle vAlign=3Dtop=3E=3C=2FTD=3E=3C=2FTR=3E=3C=2FTBODY=3E=3C=2FTABLE=3E=3CBR=3E
=3CTABLE=3E
  =3CTBODY=3E
  =3CTR=3E
    =3CTD width=3D=225%=22=3E=3C=2FTD=3E
    =3CTD bgColor=3D#b8ecff borderColor=3D#0000ff width=3D=2290%=22=3E=3CFONT color=3D#ff0000
      face=3D=22Arial Black=22
      size=3D6=3E&nbsp=3B&nbsp=3B&nbsp=3B&nbsp=3B&nbsp=3B&nbsp=3B&nbsp=3B&nbsp=3B&nbsp=3B&nbsp=3B Want

      To Harvest A Lot Of Email&nbsp=3B&nbsp=3B Addresses In A Very Short Time=3F=3C=2FFONT=3E
      =3CP=3E=3CB=3E=3CFONT color=3D#0000ff face=3DArial size=3D4=3EEasy Email
      Searcher=3C=2FFONT=3E=3CFONT color=3D#ff00ff face=3DArial size=3D4=3E&nbsp=3B is&nbsp=3B
      a&nbsp=3B powerful&nbsp=3B Email&nbsp=3B software&nbsp=3B&nbsp=3B that&nbsp=3B
      harvests general Email lists from mail servers&nbsp=3B&nbsp=3B =3C=2FFONT=3E=3CFONT
      color=3D#0000ff face=3DArial size=3D4=3EEasy Email Searcher =3C=2FFONT=3E=3CFONT
      color=3D#ff00ff face=3DArial size=3D4=3Ecan get 100=2C000 Email=3C=2FFONT=3E=3C=2FB=3E =3CFONT
      color=3D#ff00ff face=3DArial size=3D4=3E=3CB=3Eaddresses directly from the Email
      servers in only one hour!&nbsp=3B=3C=2FB=3E=3C=2FFONT=3E=3C=2FP=3E
      =3CUL=3E
        =3CLI=3E=3CFONT face=3DArial size=3D2=3E=3CB=3E=3CFONT color=3D#0000ff=3EEasy Email
        Searcher=3C=2FFONT=3E=3C=2FB=3E is a 32 bit Windows Program for e-mail marketing=2E It
        is intended for easy and convenient search large e-mail address lists
        from mail servers=2E The program can be operated on Windows 95=2F98=2FME=2F2000
        and NT=2E=3C=2FFONT=3E
        =3CLI=3E=3CFONT face=3DArial size=3D2=3E=3CB=3E=3CFONT color=3D#0000ff=3EEasy Email
        Searcher=3C=2FFONT=3E =3C=2FB=3Esupport multi-threads =28up to 512
        connections=29=2E=3C=2FFONT=3E
        =3CLI=3E=3CFONT face=3DArial size=3D2=3E=3CB=3E=3CFONT color=3D#0000ff=3EEasy Email
        Searcher=3C=2FFONT=3E=3C=2FB=3E has the ability&nbsp=3B to reconnect to the mail
        server if the server has disconnected and continue the searching at the
        point where it has been interrupted=2E=3C=2FFONT=3E
        =3CLI=3E=3CFONT face=3DArial size=3D2=3E=3CB=3E=3CFONT color=3D#0000ff=3EEasy Email
        Searcher=3C=2FFONT=3E=3C=2FB=3E has an ergonomic interface that is easy to set up
        and simple to use=2E=3C=2FFONT=3E =3C=2FLI=3E=3C=2FUL=3E
      =3CP=3E=A1=A1=3CB=3E=3CFONT color=3D#0000ff face=3DArial=3EEasy Email Searcher is an email
      address searcher and bulk e-mail sender=2E It can verify more than 5500
      email addresses per minute at only 56Kbps speed=2E It even allows you send
      email to valid email address while searching=2E You can save the searching
      progress and load it to resume work at your convenience=2E All you need to
      do is just input an email address=2C and press the =22Search=22
      button=2E=3C=2FFONT=3E=3C=2FB=3E=3C=2FP=3E
      =3CP=3E=3CB=3E=3CFONT color=3D#0000ff face=3DArial=3E=3CBR=3E=3C=2FFONT=3E=3Cfont face=3D=22Comic
Sans MS=22 size=3D=224=22 color=3D=22#FF00FF=22=3EVery
      Low Price ! -------&nbsp=3B Now=2C&nbsp=3B The full version of Easy Email
      Searcher only costs =3C=2Ffont=3E=3Cfont face=3D=22Comic Sans MS=22 size=3D=224=22
color=3D=22#0000FF=22=3E$
      39=2E 95=3C=2Ffont=3E=3C=2FB=3E=3C=2FP=3E
      =3CP=3E=3CB=3E=3CFONT color=3D#ff0000 face=3DArial size=3D4=3E=3CI=3EClick The Following Link To

      Download The Demo =3A=3C=2FI=3E=3C=2FFONT=3E=3C=2FB=3E=3C=2FP=3E
      =3CP=3E=3CB=3E=3CFONT color=3D#ff0000 face=3DArial size=3D4=3E=3CA
      href=3D=22http=3A=2F=2Fwww=2Ewldinfo=2Ecom=2Fdownload=2Femail=2Fnewees=2Ezip=22=3EDownload Site
      1=3C=2FA=3E=3C=2FFONT=3E=3C=2FB=3E=3C=2FP=3E
      =3CP=3E=3CB=3E=3CFONT color=3D#ff0000 face=3DArial size=3D4=3E=3CA
      href=3D=22http=3A=2F=2Fbestsoft=2E3322=2Eorg=2Fonlinedown=2Fnewees=2Ezip=22=3EDownload Site

2=3C=2FA=3E&nbsp=3B&nbsp=3B&nbsp=3B&nbsp=3B&nbsp=3B&nbsp=3B&nbsp=3B&nbsp=3B&nbsp=3B&nbsp=3B
=3C=2FFONT=3E=3C=2FB=3E=A1=A1=3CFONT color=3D#0000a0 face=3DArial
      size=3D3=3E=3CSTRONG=3EIf&nbsp=3B you can not download this program =2C&nbsp=3B please
      copy the following link into your URL =2C and then click =22 Enter=22 on your
      Computer Keyboard=2E=3C=2FSTRONG=3E=3C=2FFONT=3E=3C=2FP=3E
      =3CP=3E=3CFONT size=3D2=3E=3CFONT color=3D#0000a0 face=3DArial size=3D3=3E=3CSTRONG=3EHere is the

      download links=3A=3C=2FSTRONG=3E=3C=2FFONT=3E=3C=2FP=3E
      =3CDIV=3E
      =3CP=3Ehttp=3A=2F=2Fwww=2Ewldinfo=2Ecom=2Fdownload=2Femail=2Fnewees=2Ezip=3C=2FP=3E

=3CP=3Ehttp=3A=2F=2Fbestsoft=2E3322=2Eorg=2Fonlinedown=2Fnewees=2Ezip=3C=2FP=3E=3C=2FFONT=3E=3C=2FDIV=3E

      =3CP=3E=3C=2FP=3E=3C=2FTD=3E
    =3CTD width=3D=225%=22=3E=3C=2FTD=3E=3C=2FTR=3E
  =3CTR=3E
    =3CTD width=3D=225%=22=3E=3C=2FTD=3E
    =3CTD bgColor=3D#0f95de width=3D=2290%=22=3E=3CFONT color=3D#ffffff
      face=3D=22Verdana=2C Tahoma=2C Helvetica=2C SansSerif=22
      size=3D1=3E=3CB=3EDisclaimer=3A=3C=2FB=3E=3CBR=3EWe are strongly against continuously sending
      unsolicited emails to those who do not wish to receive our special
      mailings=2E We have attained the services of an independent 3rd party to
      overlook list management and removal services=2E This is not unsolicited
      email=2E If you do not wish to receive further mailings=2C please click this
      link =3CA href=3D=22 mailto=3Aremoval=40btamail=2Enet=2Ecn =22
      target=3D=5Fblank=3E=3CFONT
      color=3D#fdd32a=3E=3CB=3Emailto=3Aremoval=40btamail=2Enet=2Ecn
      =3C=2FB=3E=3C=2FFONT=3E=3C=2FA=3E=2E&nbsp=3B=3C=2FFONT=3E=3CB=3E=3CFONT class=3Ddisclaimer
color=3D#000080
      face=3DArial=3E=3CBR=3EThis message is a commercial advertisement=2E It is compliant
      with all federal and state laws regarding email messages including the
      California Business and Professions Code=2E We have provided the subject
      line =22ADV=22 to provide you notification that this is a commercial
      advertisement for persons over 18yrs old=2E=3C=2FFONT=3E=3C=2FB=3E=3C=2FTD=3E
    =3CTD width=3D=225%=22=3E=3C=2FTD=3E=3C=2FTR=3E=3C=2FTBODY=3E=3C=2FTABLE=3E
=3CBR=3E
```

717. [aprssig] Re: Student wins IEEE scholarship with APRS

From: Rich Osman <Rich@Osman.com>
Date: Wed, 24 Jul 2002 05:02:47 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: tvsjr@sprynet.com
Message-ID: <LYR842-90845-2002.07.24-05.43.11--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

```
tvsjr@sprynet.com wrote:

> Not to be negative, but it would've been nice to at least see a credit to Bob
> and all the others (the LA digi owners, everyone who has installed APRS
> devices that report data, everyone who took part in developed the APRS spec,
> all the software developers, etc.) who have devoted ...

Terry,

I'm guessing that he had no editorial control over the content of the article.
It's been my experieince that the IEEE tends to downplay amateur radio
connections in the extreme.  I guess they feel that they are pros and any
connection to amateurs carries a taint. I submitted a paper to an IEEE refereed
journal have every reference to amateur radio expunged by the editor.  I was told
this was *policy* and that reference to amateur radio was uneccessary, even in
the acknowledgments. I suspect it's more culture than policy.  There are a lot of
prominent IEEE members that are hams, but you'll be hard pressed to learn that in
their IEEE bios.  You WILL learn if they bicycle, play the piano, or rock climb.

--
mailto:Rich@Osman.com  http://www.rich.osman.com
Rich Osman;  POB 93167; Southlake, TX 76092 (Near DFW Airport) ARS: N1OZ

If you receive something that says "Send this to everyone you know,"
      PLEASE pretend you don't know me.



---
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Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org
```

718. [aprssig] Radio Shack 252?

From: John Kraus <jfkraus3@cox.net>
Date: Wed, 24 Jul 2002 09:06:34 -0400
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-90864-2002.07.24-08.44.22--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

```
Does anyone have the Mic pin out of the Radio Shack 252?  This is the 25
watt rig with the 8 pin Mic connection NOT the one with the RJ-45.  I have
looked at Radio Shack.com and found the manual and it is not in there.  I
have also checked packetradio.com with no success.  I have a friend who
wants to make a tracker using a Tiny Track II with one.

---
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```

719. [aprssig] Re: Radio Shack 252?

From: "Mike Yetsko" <myetsko@insydesw.com>
Date: Wed, 24 Jul 2002 10:40:15 -0400
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-90873-2002.07.24-10.22.39--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

```
> Does anyone have the Mic pin out of the Radio Shack 252?  This is the 25
> watt rig with the 8 pin Mic connection NOT the one with the RJ-45.  I
```

have
> looked at Radio Shack.com and found the manual and it is not in there.
I
> have also checked packetradio.com with no success. I have a friend who
> wants to make a tracker using a Tiny Track II with one.

I was pretty sure the 'support' page on the Radio Shack site had a
schematic for hooking up packet to the thing. It was put up almost
as soon as the radio came out once they realized the pinout wasn't
in the owners manual.

Mike

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720. [aprssig] " Float " Charge While TNC/Radio On

From: Matt <WA4TKG@attbi.com>
Date: Wed, 24 Jul 2002 11:39:23 -0400
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-90879-2002.07.24-11.19.06--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Is there any reason I shouldn't have my float charger
plugged in while actually operating my digital station ?
(stupid question time; I was due for one)
I operate a large capacity 12V battery for 10W
tnc/radio.
...just in CASE, here in N FL..

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Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

721. [aprssig] Re: " Float " Charge While TNC/Radio On

From: David VanHorn <dvanhorn@cedar.net>
Date: Wed, 24 Jul 2002 10:54:00 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-90880-2002.07.24-11.32.59--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

At 11:39 AM 7/24/2002 -0400, Matt wrote:
>Is there any reason I shouldn't have my float charger
>plugged in while actually operating my digital station ?
>(stupid question time; I was due for one)
>I operate a large capacity 12V battery for 10W
>tnc/radio.
>...just in CASE, here in N FL..

As long as it's set to the right float voltage, and enough current to get
the battery charged during the idle periods, it will be fine.
I've operated that way for years.

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Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

722. [aprssig] Re: APRS on your cell phone! -- New ATT Wireless service

From: Jeff King <jeff@aerodata.net>
Date: Wed, 24 Jul 2002 12:00:00 -0500 (CDT)
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: TAPR APRS Special Interest Group <aprssig@lists.tapr.org>,
TAPR APRS Special Interest Group <aprssig@lists.tapr.org>
Message-ID: <LYR842-90888-2002.07.24-12.38.50--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Quoting Richard Parry <rparry@actionware.sdcoxmail.com>:

> Using a cell phone for position location is TOTALLY different than the

> Garmin technology which requires a clear view of the sky.

Of course, yet I was responding to the title "APRS on your cell phone" and of course APRS, like the Garmin NavTalk, uses GPS. The NavTalk was the first (unsuccessful) pitch to sell AVL to the general public not the ATT method. This is what I was responding to.

>Cell phones allow
> position location in buildings, tunnels, etc.

Actually cell phone technology, as ATT is pushing, only allows tracking to the location of the cell tower the call is being recieved on. In a rural area's this could be off by miles. I don't think they are offering any kind of multi-tower triangulation.

> They use GPS, non-GPS, and
> GPS aided position location. It is a very different technology.

Yes, of course, yet it is what APRS uses (please see title). Even so, GPS can be more accurate (for example, the GPS-35 has a rudementary dead reckoning ability if it loses signal), in particular in rural areas. The other thing is that a GPS system is voluntary... I know I am sending position reports, with celluar technology if it is on, like it or not, potentially you can be tracked.

My comment was strictly to do with who was first in the consumer market place. Garmin beat ATT there.

73

-Jeff

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Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

723. [aprssig] Re: APRS on your cell phone! -- New ATT Wireless service

From: Bill Vodall - WA7NWP <wa7nwp@yahoo.com>
Date: Wed, 24 Jul 2002 10:12:35 -0700
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-90890-2002.07.24-12.51.23--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

> >Cell phones allow position location in buildings, tunnels, etc.
>
>Actually cell phone technology, as ATT is pushing, only allows tracking to the
>location of the cell tower the call is being recieved on. In a rural area's
>this could be off by miles.

AKA Vicinity tracking in APRS.

I wonder if some of the Cell Sites are in ID mode while others are NOID...

Sorry - I couldn't resist...

Bill, WA7NWP

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Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

724. [aprssig] Xastir 1.1.3 problems

From: John Kraus <jfkraus3@cox.net>
Date: Wed, 24 Jul 2002 13:59:32 -0400
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-90892-2002.07.24-13.37.19--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Why does Xastir 1.1.3 start normally begin to display icons of stations from the APRS IS then within about 30 seconds of startup it dies completely. I mean it closed down and is gone. It can be restarted but again dies after about 30-45 seconds. No warning and no error messages that I can find. Any suggestions as to where to look for answers?

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Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

725. [aprssig] Re: Radio Shack 252?

From: "Spider" <spider@rivcom.net>
Date: Wed, 24 Jul 2002 11:01:49 -0700
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-90893-2002.07.24-13.40.56--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

www.packetradio.com

----- Original Message -----
From: "Mike Yetsko" <myetsko@insydesw.com>
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Sent: Wednesday, July 24, 2002 7:40 AM
Subject: [aprssig] Re: Radio Shack 252?

> > Does anyone have the Mic pin out of the Radio Shack 252? This is the 25
> > watt rig with the 8 pin Mic connection NOT the one with the RJ-45. I
> have
> > looked at Radio Shack.com and found the manual and it is not in there.
> I
> > have also checked packetradio.com with no success. I have a friend who
> > wants to make a tracker using a Tiny Track II with one.
>
> I was pretty sure the 'support' page on the Radio Shack site had a
> schematic for hooking up packet to the thing. It was put up almost
> as soon as the radio came out once they realized the pinout wasn't
> in the owners manual.
>
> Mike
>
>
>
>
> ---
> You are currently subscribed to aprssig as: spider@rivcom.net
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>

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Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

726. [aprssig] Re: Radio Shack 252?

From: "Ronald Reams" <wa4mjf@worldnet.att.net>
Date: Wed, 24 Jul 2002 14:07:54 -0400
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-90894-2002.07.24-13.50.58--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Spider, since Mike sez he already was that website and
cud not find the info.   You might wanna expand the URL
to the exact page.

73 de Ronnie

----- Original Message -----
From: "Spider" <spider@rivcom.net>
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Sent: Wednesday, July 24, 2002 14:01
Subject: [aprssig] Re: Radio Shack 252?

www.packetradio.com

```
----- Original Message -----
From: "Mike Yetsko" <myetsko@insydesw.com>
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Sent: Wednesday, July 24, 2002 7:40 AM
Subject: [aprssig] Re: Radio Shack 252?


> > Does anyone have the Mic pin out of the Radio Shack 252?  This is the 25
> > watt rig with the 8 pin Mic connection NOT the one with the RJ-45.  I
> have
> > looked at Radio Shack.com and found the manual and it is not in there.
> I have also checked packetradio.com with no success.  I have a friend who
   ^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^

> > wants to make a tracker using a Tiny Track II with one.
>
> I was pretty sure the 'support' page on the Radio Shack site had a
> schematic for hooking up packet to the thing.  It was put up almost
> as soon as the radio came out once they realized the pinout wasn't
> in the owners manual.
>
> Mike
>
>
```

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Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

727. [aprssig] Re: APRS on your cell phone! -- New ATT Wireless service

From: Mark Fellhauer <sparkfel@qwest.net>
Date: Wed, 24 Jul 2002 13:30:45 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-90897-2002.07.24-14.09.54--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

At 01:39 AM 7/24/02, Richard Parry wrote:

>Using a cell phone for position location is TOTALLY different than the
>Garmin technology which requires a clear view of the sky. Cell phones
>allow position location in buildings, tunnels, etc. They use GPS, non-GPS,
>and GPS aided position location. It is a very different technology.

What I find humorous is that the story was in the San Diego Union-Tribune.   If anyone has ever tried using a cell-phone in and around San Diego, especially north of Miramar, they'll find how maddening that can be.   I think AT&T, et al should work on improving coverage, before adding fancy features.   Verizon should change their ads in SoCal to "Can you hear me yet."   It's frustrating to be standing in the middle of an open parking lot in Poway, and not be able to get a cell signal.   You can't track what you can't hear.

Although most people think the E911 edicts only apply to wireless communications. There are increased reporting requirements for public schools. From what I've read and been told, every classroom in a school building will have to be pinpointed by the E911 system (PBX E911). That basically means every classroom with have to have its own telephone and phone number. This is a huge burden on taxpayers and strains the availability of already scarce local phone numbers, with dubious safety benefits.

http://www.fcc.gov/911/enhanced/

73,

Mark
KC7BXS

```
---
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```

728. [aprssig] Re: Xastir 1.1.3 problems

From: "Curt Mills, WE7U" <hacker@tc.fluke.com>
Date: Wed, 24 Jul 2002 11:38:36 -0700 (PDT)
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: TAPR APRS Special Interest Group <aprssig@lists.tapr.org>
Message-ID: <LYR842-90898-2002.07.24-14.17.24--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

```
On Wed, 24 Jul 2002, John Kraus wrote:

> Why does Xastir 1.1.3 start normally begin to display icons of stations
> from the APRS IS then within about 30 seconds of startup it dies
> completely.  I mean it closed down and is gone.  It can be restarted but
> again dies after about 30-45 seconds. No warning and no error messages that
> I can find.  Any suggestions as to where to look for answers?

Not doing that for me.

Try "xastir -v2047 &"

That will turn on all debugging, which means you might be able to
scroll back and see what happened just before it shut down.

Anyone else seeing operation like this?  Can you explain it?

Curt Mills, WE7U                        hacker.NO_*SPAM@tc.fluke.com
Senior Methods Engineer/SysAdmin
"Lotto:    A tax on people who are bad at math." -- unknown
"Windows:  Microsoft's tax on computer illiterates." -- WE7U


---
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```

729. [aprssig] Re: ["Curt Mills, WE7U"] Re: Xastir 1.1.3 problems

From: "Gregg G. Wonderly" <gregg@skymaster.c2-tech.com>
Date: Wed, 24 Jul 2002 14:15:54 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: TAPR APRS Special Interest Group <aprssig@lists.tapr.org>
Message-ID: <LYR842-90901-2002.07.24-14.54.39--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

```
>Not doing that for me.
>
>Try "xastir -v2047 &"
>
>That will turn on all debugging, which means you might be able to
>scroll back and see what happened just before it shut down.
>
>Anyone else seeing operation like this?  Can you explain it?

If it's started in xinitrc (or otherwise in the background without a console
to attach to), then if it is core dumping, the window would just disappear and
nothing else would visibly indicate the problem.  He should probably start it
in a window with -v2047 and not in the background, and let it run until it
dies and the last lines of output should indicate the problem, and especially
if it dumps core, there should be a termination message courtesy of the shell
indicating what signal caused the exit, and a core file should be left too...

-----
gregg@cytetech.com  (Cyte Technologies Inc)



---
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```

730. [aprssig] PCsat IGates

From: Bob Bruninga <bruninga@usna.edu>
Date: Wed, 24 Jul 2002 19:49:58 -0400 (EDT)
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-90933-2002.07.24-19.28.49--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

```
The next 3 weeks are critical to PCsat demonstrations.
We need all IGates operational if possible...

We will have several students and at least one Skipper
out on an ocean cruise with only a Kenwood HT inside the boat with a tiny
RG-174 dipole taped to the inside overhead of the cabin.

Tests today show that the one installed on N3FB's boat (W3ADO-8) got at
least 60% of its posits through PCsat but only one of them made it to the
pcsat.aprs.org web page...

Also, there is an APRS WX instrument installed yesterday above 75 deg
latitude at a camp up in the arctic circle that we hope to see as well.
It will downlink on 144.39 using PCsat's special user uplink channel. Also
there  are at least 3 other users who have requested uplink access that
are  on wilderness travels that will be using PCsat these next few weeks.

I'm packing tonight for the Canadaian RAC convention in BC so cant look up
all the calls...

de WB4APR@amsat.org, Bob

PCsat WEB  page     http://www.ew.usna.edu/~bruninga/pcsat.html
ISS-APRS FAQ:       http://www.ew.usna.edu/~bruninga/iss-faq.html
CUBESAT Designs     http://www.ew.usna.edu/~bruninga/cubesat.html
APRS LIVE pages     http://www.ew.usna.edu/~bruninga/aprs.html
APRS SATELLITES     http://www.ew.usna.edu/~bruninga/astars.html
MIM/Mic-E/Mic-Lite  http://www.toad.net/~wclement/bruninga/mic-lite.html


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```

731. [aprssig] Oncore GT+ receivers

From: "G. Beat \(W9GB\)" <gregory.beat@attbi.com>
Date: Wed, 24 Jul 2002 20:45:22 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-90939-2002.07.24-21.24.09--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

```
I don't know what I would do with all of these, but 100 Oncore GT+ receiver
(great for tracking)
are now for sale on eBay (Dutch auction), starting at $ 30

http://cgi.ebay.com/ws/eBayISAPI.dll?ViewItem&item=1368087129

Happy shopping

Greg
w9gb


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```

732. [aprssig] Extra D7A(G)

From: Jim Duncan <jdbandman@earthlink.net>
Date: Wed, 24 Jul 2002 21:22:23 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-90941-2002.07.24-22.01.14--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

```
Hi all...  I have a spare TH-D7A (G firmware) that I would like to part
with.  Anyone interested, please contact me OFF LIST!
--
73 de Jim, KU0G
Chairman/Coordinator
Kansas City APRS Working Group, W0APR
First Alert Storm Team KMBC-TV9
```

Mailto:ku0g@kcaprs.org
Webpage: http://www.kcaprs.org

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733. [aprssig] APRS Explosion!

From: "W5JSR" <w5jsr@arrl.net>
Date: Wed, 24 Jul 2002 21:31:11 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-90942-2002.07.24-22.09.59--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

For those of you who haven't noticed, APRS in Arkansas is finally taking off! We have seen quadruple digi/users over the last several months and many many more are "talking it up!"

We are also incorporating APRS into SAR teams here in Arkansas. Benton County, Washington County and Howard County SAR teams are building tracking units for their search teams. APRS will be used in the command post to keep a real-time track of the teams in the field. In Howard County every member of the team is required to have a ham license or actively working to get one. It Washington and Benton Counties, ham radio operators are a part of the teams. We are very excited about what is happening here with APRS in general and as a tool in SAR.

As an instructor and 10 year user of APRS, I am very pleased to see the interest in amateur radio and this part of our hobby! I would like to hear from others out there that are using APRS in support of SAR. I am most interested in seeing who you've developed your program and how you've handled a few hurdles that SAR presents!

Well, we have'n fun in Arkansas!

73 de Scott, W5JSR
Benton County ARES Emergency Coordinator
Benton County ARES RACES Club President
ARRL Volunteer Instructor/Examiner

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734. [aprssig] Re: Oncore GT+ receivers

From: "G. Beat \(W9GB\)" <gregory.beat@attbi.com>
Date: Wed, 24 Jul 2002 22:00:28 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: "TAPR APRS SIG" <aprssig@lists.tapr.org>
Message-ID: <LYR842-90949-2002.07.24-22.39.15--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Bob -

No, I did purchase a GT+ receiver from this seller (Astrotoo in Melbourne, FL) in an earlier eBay auction last month. My GT+ unit had the latest Motorola firmware and started right up. This seller also has the surplused tracking transceivers that these receiver were used in.
http://cgi.ebay.com/ws/eBayISAPI.dll?ViewItem&item=1368739774

Synergy has the Oncore VP receivers on sale ($ 51) on their web site www.synergy.com .

Greg
w9gb

----- Original Message -----
From: "Bob K8YS & Janet N8LBR" <jbcraft@adelphia.net>
To: "G. Beat (W9GB)" <gregory.beat@attbi.com>
Sent: Wednesday, July 24, 2002 9:06 PM
Subject: Re: [aprssig] Oncore GT+ receivers

> Greg,
> are these your receivers on ebay??
>

```
> Bob
>
>



---
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735. [aprssig] Re: Oncore GT+ receivers

```
From: Glenn Little <glittle@awod.com>
Date: Wed, 24 Jul 2002 23:33:59 -0400
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: "TAPR APRS SIG" <aprssig@lists.tapr.org>
Message-ID: <LYR842-90955-2002.07.24-23.18.01--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain
```

```
He had these ar the Orlando Hamfest earlier this year.  I bought a number
of the complete units from him and sold a number of the GPS units to cover
my expenses.  All of the GPS engines had the latest firmware and all
worked.  The HF unit is, I think, a 10 Watt unit. It is controllable in one
Hertz steps.  If anyone is interested I can locate the URL to the FCC data
that was filed for acceptance.  The complete system transmitted GPS data
back to the control point on HF, it allowed the control point to send
messages to the truck via subcarrier on the FM broadcast band.  The FM
receiver scanned until it found a valid subcarrier.

The ARRL filed with the FCC a complaint over the use of HF and got a
consent from Terion that hams bands would be excluded from the frequencies
available.  In the FCC documents is probably enough data to understand the
workings of the unit and to partially control it.

73
Glenn
WB4UIV

At 10:00 PM 7/24/02 -0500, G. Beat \(W9GB\) wrote:
>Bob -
>
>No,  I did purchase a GT+ receiver from this seller (Astrotoo in Melbourne,
>FL) in an earlier eBay auction last month.  My GT+ unit had the latest
>Motorola firmware and started right up.  This seller also has the surplused
>tracking transceivers that these receiver were used in.
>http://cgi.ebay.com/ws/eBayISAPI.dll?ViewItem&item=1368739774
>
>Synergy has the Oncore VP receivers on sale ($ 51) on their web site
>www.synergy.com .
>
>Greg
>w9gb
>
>----- Original Message -----
>From: "Bob K8YS & Janet N8LBR" <jbcraft@adelphia.net>
>To: "G. Beat (W9GB)" <gregory.beat@attbi.com>
>Sent: Wednesday, July 24, 2002 9:06 PM
>Subject: Re: [aprssig] Oncore GT+ receivers
>
>
> > Greg,
> > are these your receivers on ebay??
> >
> > Bob
> >
> >
>
>
>---
>You are currently subscribed to aprssig as: GLITTLE@AWOD.COM
>To unsubscribe send a blank email to leave-aprssig-842K@lists.tapr.org
>Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

----------------------------------------------------------------------------
Glenn Little                         glittle@awod.com   QCWA  LM 28417
Amateur Callsign:  WB4UIV            wb4uiv@amsat.org   AMSAT LM 2178
QTH:  Goose Creek, SC USA (EM92xx)                      ARRL  TAPR
----------------------------------------------------------------------------
```

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---

736. [aprssig] Re: Radio Shack 252

From: "Mike Niswonger" <mike.niswonger@cox.net>
Date: Thu, 25 Jul 2002 03:08:34 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-90975-2002.07.25-03.47.22--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

```
To be specific, try:

http://www.packetradio.com/00rascal/R-HTX252.gif



73,
Mike Niswonger, W4CMN
w4cmn@arrl.net
e-fax: (775)628-5032

----------------------------------------------------------------------

Subject: Re: Radio Shack 252?
From: "Ronald Reams" <wa4mjf@worldnet.att.net>
Date: Wed, 24 Jul 2002 14:07:54 -0400
X-Message-Number: 11

Spider, since Mike sez he already was that website and
cud not find  the info.   You might wanna expand the URL
to the exact page.

73 de Ronnie


----- Original Message -----
From: "Spider" <spider@rivcom.net>
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Sent: Wednesday, July 24, 2002 14:01
Subject: [aprssig] Re: Radio Shack 252?


www.packetradio.com


----- Original Message -----
From: "Mike Yetsko" <myetsko@insydesw.com>
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Sent: Wednesday, July 24, 2002 7:40 AM
Subject: [aprssig] Re: Radio Shack 252?


> > Does anyone have the Mic pin out of the Radio Shack 252?  This is the 25
> > watt rig with the 8 pin Mic connection NOT the one with the RJ-45.  I
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> > looked at Radio Shack.com and found the manual and it is not in there.
> I have also checked packetradio.com with no success.  I have a friend who
   ^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^

> > wants to make a tracker using a Tiny Track II with one.
>
> I was pretty sure the 'support' page on the Radio Shack site had a
> schematic for hooking up packet to the thing.  It was put up almost
> as soon as the radio came out once they realized the pinout wasn't
> in the owners manual.
>
> Mike
>
>
```

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Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

737. [aprssig] Re: Oncore GT+ receivers

From: gregory.beat@attbi.com
Date: Thu, 25 Jul 2002 14:05:16 +0000
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: aprssig@tapr.org
Message-ID: <LYR842-91018-2002.07.25-09.44.05--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

```
Bob -

I may have had a "typo" in the previous APRS sig post.
Synergy Main web page:
http://www.synergy-gps.com

>From the main web page, select "Excess Inventory Sale".
The sheet is an Adobe Acrobat "pdf" file

http://www.synergy-gps.com/Excess_Inventory.pdf

Greg
w9gb

> Greg,
>
> I can't seem to find any info about Synergy selling
Oncore VP receivers on
> their web site.  It's a graphing software product.
Anything more in-depth
> on the VP url would be appreciated.
>
> Thanks,
> Bob, WB8CXN
>
> X-Message-Number: 19
> X-Lyris-Id: 101129
> Date: Wed, 24 Jul 2002 22:00:28 -0500
> From: "G. Beat \(W9GB\)" <gregory.beat@attbi.com>
> Subject: Re: Oncore GT+ receivers
>
> Bob -
>
> No,  I did purchase a GT+ receiver from this seller
(Astrotoo in Melbourne,
> FL) in an earlier eBay auction last month.  My GT+
unit had the latest
> Motorola firmware and started right up.  This seller
also has the surplused
> tracking transceivers that these receiver were used in.
> http://cgi.ebay.com/ws/eBayISAPI.dll?
ViewItem&item=1368739774
>
> Synergy has the Oncore VP receivers on sale ($ 51) on
their web site
> www.synergy.com .
>
> Greg
> w9gb
>

---
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```

---

738. [aprssig] PCsat HT Sailboat UPlink test

From: Bob Bruninga <bruninga@usna.edu>
Date: Thu, 25 Jul 2002 12:22:55 -0400 (EDT)
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-91034-2002.07.25-12.01.44--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

```
As a data point for FM Satellite OPS with a 5W HT and 0 dBd gain omni
antenna, we now have had 4 PCsat passes over our test boat with a TH-D7
APRS HT connected to the boats GPS and a RG-174 coax dipole duct-taped to
the inside of the cabin roof.

Success rate on these passes has been on the order of 60 and 75% for every
packet transmitted (when satellite was above about 7 Deg).  We used
```

once-per-minute for these tests. But the design goal of PCsat was for a 2m rate for such off-shore or wilderness travelers. There were on the order of a dozen other users at the same time.

Thus for our design goal of one packet every/2min, and say 50 users, we would still have a good chance of capturing a position/status from our boat once a pass... (the http://pcsat.aprs.org site does not yet capture all of them, due to not enough IGates listening, but if we monitor the donwlink directly, we can get most of them...)...

I wish I could take more data, but I am leaving in 1 hour for the RAC convention in Vernon, BC, so won't be in the same footprint as the boat test (W3ADO-8). We hope to leave the test running for the next 3 weeks as the boat cruises the Atlantic..

The Radio Amateurs Convention in Vernon BC, has an IGate, so if you get bored this weekend you can zooom in to Vernon on any of the APRS web-pages and watch the goings on... Vernon is about 5036N, 11915W

de WB4APR, Bob

> We will have several students and at least one Skipper
> out on an ocean cruise with only a Kenwood HT inside the boat with a tiny
> RG-174 dipole taped to the inside overhead of the cabin.
>
> Tests today show that the one installed on N3FB's boat (W3ADO-8) got at
> least 60% of its posits through PCsat but only one of them made it to the
> pcsat.aprs.org web page...
>
> Also, there is an APRS WX instrument installed yesterday above 75 deg
> latitude at a camp up in the arctic circle that we hope to see as well.
> It will downlink on 144.39 using PCsat's special user uplink channel. Also
> there are at least 3 other users who have requested uplink access that
> are on wilderness travels that will be using PCsat these next few weeks.
>
> I'm packing tonight for the Canadaian RAC convention in BC so cant look up
> all the calls...
>
> de WB4APR@amsat.org, Bob
>
> PCsat WEB page http://www.ew.usna.edu/~bruninga/pcsat.html
> ISS-APRS FAQ: http://www.ew.usna.edu/~bruninga/iss-faq.html
> CUBESAT Designs http://www.ew.usna.edu/~bruninga/cubesat.html
> APRS LIVE pages http://www.ew.usna.edu/~bruninga/aprs.html
> APRS SATELLITES http://www.ew.usna.edu/~bruninga/astars.html
> MIM/Mic-E/Mic-Lite http://www.toad.net/~wclement/bruninga/mic-lite.html
>
> ----
> Via the amsat-bb mailing list at AMSAT.ORG courtesy of AMSAT-NA.
> To unsubscribe, send "unsubscribe amsat-bb" to Majordomo@amsat.org
>

de WB4APR@amsat.org, Bob

PCsat WEB page http://www.ew.usna.edu/~bruninga/pcsat.html
ISS-APRS FAQ: http://www.ew.usna.edu/~bruninga/iss-faq.html
CUBESAT Designs http://www.ew.usna.edu/~bruninga/cubesat.html
APRS LIVE pages http://www.ew.usna.edu/~bruninga/aprs.html
APRS SATELLITES http://www.ew.usna.edu/~bruninga/astars.html
MIM/Mic-E/Mic-Lite http://www.toad.net/~wclement/bruninga/mic-lite.html

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Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

739. [aprssig] Re: [amsat-bb] PCsat IGates

From: Bob Bruninga <bruninga@usna.edu>
Date: Thu, 25 Jul 2002 12:38:26 -0400 (EDT)
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: TAPR APRS SIG <aprssig@lists.tapr.org>
Message-ID: <LYR842-91035-2002.07.25-12.17.24--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

APRS Igate operators,

Im trying to scare up some more IGates for ISS and PCsat, and some people

not familliar with APRS are asking how to do it. Im leaving for the RAC
convention in 30 minutes so need someone else to help him out...

de WB4APR, Bob

---------- Forwarded message ---------- Date: Thu, 25 Jul 2002 12:11:33 -0400
From: Howie DeFelice <hdefelice@petrexintl.com>
To: Bob Bruninga <bruninga@usna.edu>
Subject: Re: [amsat-bb] PCsat IGates

Hi Bob,

What software do I need to run to put up an Igate for PCsat. I can stick an antenna on the roof here at work in Hauppauge, NY (N40.82, W73.20) where I have a full time internet connection. I looked around on a few of your sites but didn't find a "how -to" write up. I only played with APRS once to see what it was about so I may not fully understand it enough to see how simple it probably is.

TNX,
Howie AB2S

----- Original Message -----
From: "Bob Bruninga" <bruninga@usna.edu>
To: "TAPR APRS SIG" <aprssig@lists.tapr.org>; <amsat-bb@AMSAT.Org>; "Eric Fairbank" <fairbank@usna.edu>
Sent: Wednesday, July 24, 2002 7:49 PM
Subject: [amsat-bb] PCsat IGates

```
> The next 3 weeks are critical to PCsat demonstrations.
> We need all IGates operational if possible...
>
> We will have several students and at least one Skipper
> out on an ocean cruise with only a Kenwood HT inside the boat with a tiny
> RG-174 dipole taped to the inside overhead of the cabin.
>
> Tests today show that the one installed on N3FB's boat (W3ADO-8) got at
> least 60% of its posits through PCsat but only one of them made it to the
> pcsat.aprs.org web page...
>
> Also, there is an APRS WX instrument installed yesterday above 75 deg
> latitude at a camp up in the arctic circle that we hope to see as well.
> It will downlink on 144.39 using PCsat's special user uplink channel. Also
> there  are at least 3 other users who have requested uplink access that
> are  on wilderness travels that will be using PCsat these next few weeks.
>
> I'm packing tonight for the Canadaian RAC convention in BC so cant look up
> all the calls...
>
> de WB4APR@amsat.org, Bob
>
> PCsat WEB  page     http://www.ew.usna.edu/~bruninga/pcsat.html
> ISS-APRS FAQ:       http://www.ew.usna.edu/~bruninga/iss-faq.html
> CUBESAT Designs     http://www.ew.usna.edu/~bruninga/cubesat.html
> APRS LIVE pages     http://www.ew.usna.edu/~bruninga/aprs.html
> APRS SATELLITES     http://www.ew.usna.edu/~bruninga/astars.html
> MIM/Mic-E/Mic-Lite  http://www.toad.net/~wclement/bruninga/mic-lite.html
>
> ----
> Via the amsat-bb mailing list at AMSAT.ORG courtesy of AMSAT-NA.
> To unsubscribe, send "unsubscribe amsat-bb" to Majordomo@amsat.org
>
```

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Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

740. [aprssig] SV: The qAC path element (was NOCALL in Brevard)

From: "Roger Bille" <roger.bille@telia.com>
Date: Thu, 25 Jul 2002 21:28:55 +0200
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-91054-2002.07.25-15.06.43--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Dale,

I'm behind in my mail but.. When I read about the latest version of aprsd and your comment on 25th June I'm little conserned.

> Also, if a packet is received with the UI-View "callsign,I" construct
> present aprsd will replace it the the qA.. construct.

I don't think any APRS IS server or igate should ever change a packet that it see, it should always pass it as is. (Wrong and/or dupe should be dropped) Of course should a gate add his portion at the end of the Path. If the "callsign,I" is in the path it means the packet is already injected in the feed and aprsd should not change this before forwarding it. That mean we suddenly have 2 different packets for the same original and further dupe checking will fail. We have seen several problems with this before, for example Mic-E conversion with and without time stamps and 8-bit characters dropped etc.

73 de sm5nrk/Roger

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741. [aprssig] Uiview newbie

From: "Bill Wells W4BOT" <sontag@swva.net>
Date: Thu, 25 Jul 2002 14:32:50
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-91055-2002.07.25-15.11.45--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Have just started to use uiview and like it's features. Is there a url for a large scale map of the state of Virginia somewhere? Have been searching the net with no luck. Also, how do you clear the stations from the screen? Understand that several of the mapping programs would let me zoom in and am looking for a workaround until I acquire one.

thanks and best regards,
Bill

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742. [aprssig] Re: Uiview newbie

From: WA8LMF2@aol.com
Date: Thu, 25 Jul 2002 15:56:03 EDT
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-91059-2002.07.25-15.35.06--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

In a message dated 7/25/02 12:34:30 PM Pacific Daylight Time, sontag@swva.net writes:

> Have just started to use uiview and like it's features. Is there a url for
> a large scale map of the state of Virginia somewhere?

You can generate all the fixed (non-zoomable bitmaps) maps you want either by:

A) Using UI-View's Mapgrabber to screencap maps from Delorme Street Atlas (classic versions - not the buggy "Deluxe" version).

B) Using Chris Vangorp's excellent freebie UI-View accessory program Maptool that grabs ready-to-use and calibrated maps from the Mapblast website (The same site that provides the maps you see in Findu). Download it from either the UI-View Yahoo group file library, or from the author's website at:
    http://home.kabelfoon.nl/~cvangorp/

> Understand that several of the mapping programs would let me zoom in and am
> looking for a workaround until I acquire one.
>

UI-View 32 has an available add-on, UI-Point, that will plot UI-View data on Microsoft's MapPoint 2002 program (this is a Street-Atlas type program with zoomable, vector-based maps of ALL of North America -- includes street-level detail in Canada and major roads in Mexico as well as all of the US.).
UI-Point WILL NOT work with the freebie 16-bit version of UI-View

```
Your other alternatives for zoomable maps are:
APRSplus (Uses Delorme's Street Atlas Ver 4 through Ver 9 -- won't work with
the horrible new "Deluxe" version of SA)

WinAPRS (Uses Undertow Software's Precision Mapping -- also a CD that covers
the entire US.  Current WinAPRS Version 2.6.1 only works with PM Ver 5.0.
Earlier versions of WinAPRS only worked with PM Ver 3.0 )

APRSpoint (New kid on the block -- also uses MS MapPoint 2002 -- actually
APRSpoint is an add-in to MapPoint)

Stephen H. Smith                   wa8lmf @ aol.com
Home Page:
http://members.aol.com/wa8lmf
Ham Radio/Mobile SSTV page:     http://members.aol.com/wa8lmf/ham
APRS Stuff
http://members.aol.com/wa8lmf/aprs
-----------------------------------------------------------------------------

----------
|    Radio Communications Systems       Personal Computers
|                Consulting and Systems Integration
|    GPS Custom Mapping    &     Radio Coverage Surveys
|    File Conversions       MS-Windows Setups       VISCII Fonts
-----------------------------------------------------------------------------

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```

743. [aprssig] RE: SV: The qAC path element (was NOCALL in Brevard)

From: "AE5PL Lists" <HamLists@ametx.com>
Date: Thu, 25 Jul 2002 15:17:21 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-91061-2002.07.25-15.56.12--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

```
I want to clear up one thing: what factors are used in dupe checking by
APRS servers.  At a minimum, APRS servers use the FROM call-SSID and
packet payload (all after the colon) for their dupe check algorithms.
javAPRSSrvr also uses the TO call-SSID because it can represent data
(Mic-E packets, for example).  To my knowledge, no server software uses
the VIA call-SSIDs for dupe checking.  To the rest of the server
authors: please correct me if your software does use the VIA call-SSIDs.
The reason for ignoring the path part of the header is because the very
nature of WIDEn-n and TRACEn-n operation mean that the path can be
modified on RF, let alone on APRS-IS.

There should also be no interpretation or modification of the packet
payload.  Some servers/IGates currently modify payloads to eliminate
trailing white space or to change 8 bit characters to 7 bit.  These
packet modifications, while IMHO are ill-advised, can be accounted for
in the dupe check algorithm.

This is not an endorsement of the aprsD qA.. algorithm or of any of the
other IGate identification algorithms.  I just wanted to clarify how
dupe checking is done so decisions are made based on correct
information.

73,

Pete Loveall AE5PL
http://www.ae5pl.net
mailto:pete@ae5pl.net

> -----Original Message-----
> From: Roger Bille [mailto:roger.bille@telia.com]
> Posted At: Thursday, July 25, 2002 2:30 PM
> Subject: [aprssig] SV: The qAC path element (was NOCALL in Brevard)
>
> it. That mean we
> suddenly have 2 different packets for the same original and
> further dupe
> checking will fail. We have seen several problems with this
> before, for
> example Mic-E conversion with and without time stamps and
> 8-bit characters
> dropped etc.

---
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```

744. [aprssig] Re: Uiview newbie

From: Mark Fellhauer <sparkfel@qwest.net>
Date: Thu, 25 Jul 2002 16:44:47 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-91067-2002.07.25-17.23.42--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

```
At 09:32 AM 7/25/02, Bill Wells W4BOT wrote:

>  Have just started to use uiview and like it's features....
>  Also, how do you clear the stations from the screen?

Move your mouse pointer over a station and right-click - from the drop-down
menu left-click on delete station.


At 02:56 PM 7/25/02, WA8LMF2@aol.com wrote:


>UI-View 32 has an available add-on, UI-Point, that will plot UI-View data on
>Microsoft's MapPoint 2002 program (this is a Street-Atlas type program with
>zoomable, vector-based maps of ALL of North America -- includes street-level
>detail in Canada and major roads in Mexico as well as all of the US.).
>UI-Point WILL NOT work with the freebie 16-bit version of UI-View


I would also like to point out that UIView is relatively inexepensive to
register in the U.S.   It's about 16 bucks for the 32bit version.  Works
great with Soundcard AGWPE.  And UI Point is awesome.

The problem with other mapping software is that they generally only offer
street level maps for the Continental US.  Alaska, Hawaii, and the 51st
state (Canada) are left out.  MapPoint 2002 gives you street level maps for
when you want to zoom in on that guy (or gal) driving around Montreal or
Manitoulin Island.   Plus they have European versions, too.   Although
MapPoint (USA) 2002 doesn't give you street level maps worldwide, you can
zoom in on any country/continent on the globe and see major geo-political
boundaries and where major cities are located.

The only downside is that plotting APRS stations on MapPoint 2002 is slow.



>APRSpoint (New kid on the block -- also uses MS MapPoint 2002 -- actually
>APRSpoint is an add-in to MapPoint)

APRSpoint is a little skimpy on features, but that may not really be a
negative factor for many people, especially those just getting started in
APRS.   I really like the program, and look forward to some creature
feep...  ;)


I'm still waiting for an X-10 interface or plug-in for any APRS program
that would allow you to trigger and X-10 event based on some received APRS
activity.  Like a station coming inside a certain range from your station
or other geographic point, a reported wind speed or temperature variation,
or an emergency beacon being received.   For instance:  I set a parameter
of radius 0.5 miles around my house, if a station beacons a position inside
that range, the APRS program triggers and X-10 event through a CM11A X-10
controller (like A-5 on).   And if the station then leaves the proscribed
radius then it could trigger another event (like A-5 off).

And yes, I'm aware of MisterHouse and MHATS, but that's X-10 software with
an APRS plug-in, not an APRS program with an X-10 plug-in.  Furthermore the
learning curve on MisterHouse is about as steep as it can get.  You pretty
much need a doctorate in computer science to download the program, and then
have an MSCE and Perl programming experience to use it...

http://www.faribault.k12.mn.us/brian/homeautomation/diyarticle/original/
```

73,

Mark
KC7BXS

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745. [aprssig] Re: Radio Shack 252?

From: "Jason Rausch" <ke4nyv@msn.com>
Date: Thu, 25 Jul 2002 17:30:44
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-91073-2002.07.25-18.09.34--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Here is my schemaic on my page for a KPC-3 to a HTX-252. That should be enough to get the TT working. I have made my TT work with both of my HTX-252's

http://www.ke4nyv.com/htx252.htm

73's
Jason KE4NYV
www.ke4nyv.com

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746. [aprssig] Re: Uiview newbie

From: Ken Collins <g4fip@btinternet.com>
Date: Thu, 25 Jul 2002 22:35:54 +0000
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-91074-2002.07.25-18.15.36--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

In article <LYR26201-91067-2002.07.25-17.23.42--g4fip#btinternet.com@lists.tapr.org>, Mark Fellhauer <sparkfel@qwest.net> writes
>Move your mouse pointer over a station and right-click - from the drop-
>down menu left-click on delete station.

That's for an individual station. :-)

To remove them all, select Station List, hold down the Ctrl key and click on Delete.

--
Ken Collins - G4FIP
E-mail:- g4fip@btinternet.com
http://www.btinternet.com/~g4fip

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747. [aprssig] TAPR DCC Audio Files

From: "Jason Rausch" <ke4nyv@msn.com>
Date: Thu, 25 Jul 2002 18:18:40
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-91078-2002.07.25-18.57.31--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Is there any way the DCC RealAudio files can be downloaded and played locally on a machine? I basically want to download them and then burn them to CD to listen to while I run around town all day.

73's
Jason KE4NYV
www.ke4nyv.com

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748. [aprssig] Re: TAPR DCC Audio Files

From: Jeff King <jeff@aerodata.net>
Date: Thu, 25 Jul 2002 22:49:39 -0400
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-91102-2002.07.25-22.21.46--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

On Thu, 25 Jul 2002 18:18:40, Jason Rausch wrote:
>Is there any way the DCC RealAudio files can be downloaded and
>played locally on a machine?

Maybe with real audio plus? But I do know the following shareware
program will do what you want:

http://www.totalrecorder.com/

It has plug-ins to convert it to MP3 so it should be ideal for your
CD player.

Good luck

-Jeff

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749. [aprssig] Re: SV: The qAC path element (was NOCALL in Brevard)

From: Steve Dimse <k4hg@tapr.org>
Date: Thu, 25 Jul 2002 23:19:51 -0400
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-91104-2002.07.25-22.58.44--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

> I'm behind in my mail but.. When I read about the latest version of aprsd
> and your comment on 25th June I'm little conserned.
>
> > Also, if a packet is received with the UI-View "callsign,I" construct
> > present aprsd will replace it the the qA.. construct.
>
> I don't think any APRS IS server or igate should ever change a packet that
> it see, it should always pass it as is. (Wrong and/or dupe should be
> dropped) Of course should a gate add his portion at the end of the Path. If
> the "callsign,I" is in the path it means the packet is already injected in
> the feed and aprsd should not change this before forwarding it. That mean we
> suddenly have 2 different packets for the same original and further dupe
> checking will fail. We have seen several problems with this before, for
> example Mic-E conversion with and without time stamps and 8-bit characters
> dropped etc.
>
The ,I is something that was just implemented without any agreement. It
has problems which the qA structure addresses. This also is not
formally approved by the APRS WG, but the general form has the
agreement of the people with the greatest understanding of the APRS IS.

Dale's program is a beta version, with the intent of finding any hidden
problems with this new construct. For that reason it is important that
the data be as conformant with the spec as possible. Therefore the ,I's
are converted to the new format.

Steve K4HG

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750. [aprssig] NOCALL in Oskhosh on ISS

From: bob evinger <wd9eka@evinger.com>
Date: Thu, 25 Jul 2002 22:58:51 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-91107-2002.07.25-23.38.17--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

```
All I can say is wish I was there. This is convention week for the
Experimental Aircraft Association, Talk about a mass of humanity. Havent
made it there in a couple of years but taking into account potential
inaccuracies of aerial views and such the Nocall may be a visitor since
I zoomed out to about 3 miles and the signal is very close to the
airport and campgrounds, or he could just be  a local. Just seems like
one heck of a coincidence that he is that close to wittman field. That
would be the ultimate fox hunt right now. The campground touts something
like 30,000 people in a very, very small area.  hummm, maybe that is why
I havent been in a few years.

     going to bed, took the kids and the xyl out about an hour ago and
watched ISS do a near overhead flyby. My little ones got a real kick out
of it we then came in and I showed them some pictures of what it looked
like up close.

   73 bob

--
Bob Evinger   WD9EKA/AAR5MG(Army MARS operator)
If Guns Cause Crime, Then Matches Cause Arson.



---
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```

751. [aprssig] Re: SV: The qAC path element (was NOCALL in Brevard)

From: "Spider" <spider@rivcom.net>
Date: Fri, 26 Jul 2002 05:45:44 -0700
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: <ui-view@yahoogroups.com>
Message-ID: <LYR842-91138-2002.07.26-08.24.52--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

```
----- Original Message -----
From: "Steve Dimse" <k4hg@tapr.org>
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Sent: Thursday, July 25, 2002 8:19 PM
Subject: [aprssig] Re: SV: The qAC path element (was NOCALL in Brevard)

> Dale's program is a beta version, with the intent of finding any hidden
> problems with this new construct. For that reason it is important that
> the data be as conformant with the spec as possible. Therefore the ,I's
> are converted to the new format.
>
> Steve K4HG

Steve, what is the purpose of a 'new format' that changes an existing
format, approved or not?
Is the 'I' not serving it's purpose effectively and completely?

Jim - WA6OFT,I




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752. [aprssig] FINDU Backup Server Status

From: Steve Hammond <1hammond@bellsouth.net>
Date: Fri, 26 Jul 2002 9:01:46 -0400
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-91139-2002.07.26-08.40.38--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

```
Just wanted to get an update on the FINDU Backup Server Status.  Last I saw was that the equipment was
being ordered.
```

Didn't know if I had missed any new updates.

Thanks,
Steve/K4SAH

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753. [aprssig] Re: FINDU Backup Server Status

From: "Dick Stanich" <dick@kb7zva.com>
Date: Fri, 26 Jul 2002 8:40:38
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-91142-2002.07.26-09.19.30--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Good question. Be nice to see updates as to what's happening. The main system has suffered long outages, and it's usually when Steve is traveling and can't access the system.

Dick, KB7ZVA
aprswest.net
http://Igates.kb7zva.com

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754. [aprssig] Re: FINDU Backup Server Status

From: "Guy Story, KC5GOI" <kc5goi@kc5goi.net>
Date: Fri, 26 Jul 2002 08:47:27 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-91143-2002.07.26-09.26.11--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

As a general update, The last set of donations were processed late last week and the final total is at $6700. I have built a new page with names but have not finished it yet. Clint has been given the paperwork to place the order. I found out last week that the original cart we speced out had expired. The final total has given use more room to work. I will follow up with Clint today and get the order placed.

73

--
Guy Story, KC5GOI
Itel-Tigerbyte LLC
gstory@tigerbyte.com
940.891.4575

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755. [aprssig] Re: FINDU Backup Server Status

From: "Charles H. Rahe, II" <crahe@infi.net>
Date: Fri, 26 Jul 2002 11:16:33 -0400
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: TAPR APRS Special Interest Group <aprssig@lists.tapr.org>
Message-ID: <LYR842-91147-2002.07.26-10.55.33--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Would someone please refresh my memory as to the URL for the status page.

Thanks, Charlie

"Guy Story, KC5GOI" wrote:

> As a general update, The last set of donations were processed late last week
> and the final total is at $6700. I have built a new page with names but have
> not finished it yet. Clint has been given the paperwork to place the order.
> I found out last week that the original cart we speced out had expired. The
> final total has given use more room to work. I will follow up with Clint
> today and get the order placed.

>
> 73
>
> --
> Guy Story, KC5GOI
> Itel-Tigerbyte LLC
> gstory@tigerbyte.com
> 940.891.4575
>
> ---
> You are currently subscribed to aprssig as: crahe@infi.net
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756. [aprssig] SOT , sorry Stan

From: "george kammerzell" <gkammerzell@microlink-d.com>
Date: Fri, 26 Jul 2002 09:40:25 -0600
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-91148-2002.07.26-11.16.31--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Any one know of one of the many call
data bases that can do a search on
COUNTY / STATE
thanks
HELP n0zed

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757. [aprssig] Re: SOT , sorry Stan

From: "Tim Billingsley" <kd5ckp@centurytel.net>
Date: Fri, 26 Jul 2002 11:36:40 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-91152-2002.07.26-12.14.39--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

http://www.qsl.net/kd5ckp/Calls.htm

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758. [aprssig] Unlicensed hams with mobile trackers

From: "Chris Rose" <kb8uih@arrl.net>
Date: Fri, 26 Jul 2002 18:07:24 -0400
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-91186-2002.07.26-17.45.53--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Sorry if this has been hashed out before, a 5 minute search of the archives
didn't reveal what I wanted. Can someone tell me if trackers on moving
vehicles without a ham on board is legal? I want to track assets at events
but the vehicles won't have licensed operators with them.

Help,
Chris
KB8UIH

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759. [aprssig] Radio-Mobile goes APRS!

From: David VanHorn <dvanhorn@cedar.net>
Date: Fri, 26 Jul 2002 17:25:31 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-91207-2002.07.26-18.04.41--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

I've used radio-mobile in the past to plot repeater coverage, but according
to the following usenet post, it's gone even further and added aprs support!

::POST FOLLOWS::

Came across a link to a neat radio propagation prediction program. It's
a little hard
to understand and get running at first, but worh the effort.

Radio Mobile is freeware software that is a tool used to predict the
performance of a radio system and draw maps. It also now handles APRS.
Thanks to the space shuttle SRTM mission that occurred in february
2000,
elevation data of high quality will be released for the public for most
of
the world.

More info and download at http://www.cplus.org/rmw/english1.html

Wireless Network Link Analysis software for calculation "free space
loss" is
available at
http://members.gbonline.com/~multiplx/wireless/wireless.main.cgi

Tom

40 years IC design, Santa Clara Valley

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---

760. [aprssig] Re: Unlicensed hams with mobile trackers

From: "hasan schiers" <schiers@netins.net>
Date: Fri, 26 Jul 2002 18:24:23 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-91238-2002.07.26-19.03.18--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Chris,

You can search the archives of this mailing list, as the topic has been
beaten to death.
(Someone may offer a good search "key" since you didn't get much last time)

There are two opinions, "yes" and "no". Take your pick, with all the
variables considered. Do us all a favor and DON'T write the FCC and ask
their opinion. Never ask a bureaucrat a question that you cannot afford to
hear a NO to. The bureaucrat's first instinct is to always say NO.

I'm not sure there is an easy answer. You will likely hear "absolutely not",
"sure, go ahead", "do it with caution", "do it at your own risk", "call the
FCC" and any number of other responses. Don't take anything said by people
who may respond to your query too seriously. (The arm-chair "regulation"
experts seem to hang out on ham lists, with far too much time on their
hands.)

The primary issue appears to be "control" and how long a time it may take to
assert said control over your aprs tracker, should it misbehave. How to
assess this is a matter of opinion...and that's all your going to get in
response is someone's opinion. It's your ticket at risk, and you'll have to
decide how much risk you might be taking, or are willing to take.

There are several schools of thought in approaching the problem:

1. If there is ANY doubt, don't do it. (Never take any risks.)

2. If there is ANY room to wiggle, take it. (Take as many risks as you can
defend)

3. It is better to do what you want and apologize later for your ignorance.

(I knew it was "grey", but really wanted to do it and am willing to be warned)

4. No matter what, don't explicitly violate an interpretation you requested from FCC.
(This is why you NEVER want to ask the FCC about something doubtful, but not obviously in vioation of the regs.)

While this doesn't explicitly answer your question, it does give you a way to analyze the plethora of "answers" you are likely to get on this list.
<vbg>

73

hasan schiers, N0AN

schiers@netins.net
or use amsat.org or arrl.net remailer
----- Original Message -----
From: "Chris Rose" <kb8uih@arrl.net>
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Sent: Friday, July 26, 2002 5:07 PM
Subject: [aprssig] Unlicensed hams with mobile trackers

> Sorry if this has been hashed out before, a 5 minute search of the
archives
> didn't reveal what I wanted. Can someone tell me if trackers on moving
> vehicles without a ham on board is legal? I want to track assets at
events
> but the vehicles won't have licensed operators with them.
>
> Help,
> Chris
> KB8UIH
>
>
> ---
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> To unsubscribe send a blank email to leave-aprssig-842K@lists.tapr.org
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>

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761. [aprssig] Re: Unlicensed hams with mobile trackers

From: "Mike Yetsko" <myetsko@insydesw.com>
Date: Fri, 26 Jul 2002 19:42:10 -0400
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-91242-2002.07.26-19.24.56--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Subject: [aprssig] Unlicensed hams with mobile trackers

> Sorry if this has been hashed out before, a 5 minute search of the
archives
> didn't reveal what I wanted. Can someone tell me if trackers on moving
> vehicles without a ham on board is legal? I want to track assets at
events
> but the vehicles won't have licensed operators with them.
>
> Help,
> Chris
> KB8UIH

Bottom line? No one knows for sure.

But, one this IS for sure.

If you may not like the answer, don't ask the question.

If you DO happen to do it, just remember who the control operator is, and what he's hanging out on the line!

Mike

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762. [aprssig] Re: Unlicensed hams with mobile trackers

From: Jeff King <jeff@aerodata.net>
Date: Fri, 26 Jul 2002 20:11:11 -0400
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-91243-2002.07.26-19.43.22--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

On Fri, 26 Jul 2002 18:07:24 -0400, Chris Rose wrote:
>Can someone tell me if trackers on
>moving vehicles without a ham on board is legal?

A side issue but one can use APRS and the infrastructure without using the ham bands... it is fairly trivial. MURS, CDPD, AMPS (Navtalk) and even roaming 802.11b can inject posits into the stream (and into FindU). None of these require a license and MURS is a good fit for the APRS model (except you can't use digipeaters).

-Jeff

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763. [aprssig] Re: SV: The qAC path element (was NOCALL in Brevard)

From: Steve Dimse <k4hg@tapr.org>
Date: Fri, 26 Jul 2002 20:26:03 -0400
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: TAPR APRS Special Interest Group <aprssig@lists.tapr.org>,
ui-view@yahoogroups.com
Message-ID: <LYR842-91245-2002.07.26-20.04.58--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

> Steve, what is the purpose of a 'new format' that changes an existing
> format, approved or not?
> Is the 'I' not serving it's purpose effectively and completely?
>

No, it is not, there are problems with the way it was designed. I made tmyhe objections at the time, but it was simply implemented. The point of the new method is that the callsign is added by the hub based on who the connection is registered to, rather than a user specifying it. In other words, change the hubs rather than the dozens of existing user programs, and you have complete tracability, rather than the ,I system, which will fail forever with non-upgraded programs. Furthermore, if a new validation system is ever implemented, this method allows completely traceable chain of responsibility.

The q construct is much more effective at its purpose.

Steve K4HG

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764. [aprssig] Re: SV: The qAC path element (was NOCALL in Brevard)

From: "AE5PL Lists" <HamLists@ametx.com>
Date: Fri, 26 Jul 2002 20:07:03 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-91246-2002.07.26-20.45.54--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

```
Steve,

> -----Original Message-----
> From: Steve Dimse [mailto:k4hg@tapr.org]
> Posted At: Friday, July 26, 2002 7:28 PM
> Subject: [aprssig] Re: SV: The qAC path element (was NOCALL
> in Brevard)
>
> The point of
> the new method is that the callsign is added by the hub based on who
> the connection is registered to, rather than a user specifying it. In

But this can also be added by the IGate and the server will not
overwrite it.  Nor should it because there may be multiple servers that
the packet passes through.

> other words, change the hubs rather than the dozens of existing user
> programs, and you have complete traceability, rather than the
> ,I system,
> which will fail forever with non-upgraded programs. Furthermore, if a

????  What will fail, Steve?  I understand adding the qAC if no ,I is
present.  But the system won't fail if a ,I is present and not
converted.  So the question still stands, why modify a perfectly usable
construct?

> new validation system is ever implemented, this method allows
> completely traceable chain of responsibility.

Not necessarily in a multi-tier architecture.

My recommendation, to simplify matters and to continue to support
working software in the field, is:

Keep the TCPIP*/TCPXX* constructs for APRS-IS originated packets
(validated/non-validated).  They already identify the originating
station.
Allow the ,I construct to pass unchanged.
Only identify packets with neither of the above constructs with the qAC
construct if the packet is received over a verified connection.

This proposal meets your traceability requirements.  Until a coherent
document backed by an organized APRS-IS WG is formulated, problems will
continue to exist with adhoc implementations "better ways".

73,

Pete Loveall AE5PL
http://www.ae5pl.net
mailto:pete@ae5pl.net


---
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```

---

765. [aprssig] Re: SV: The qAC path element (was NOCALL in Brevard)

From: Steve Dimse <k4hg@tapr.org>
Date: Fri, 26 Jul 2002 22:08:07 -0400
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: TAPR APRS Special Interest Group <aprssig@lists.tapr.org>
Message-ID: <LYR842-91252-2002.07.26-21.47.03--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

```
> Steve,
>
> > -----Original Message----- From: Steve Dimse [mailto:k4hg@tapr.org]
> > Posted At: Friday, July 26, 2002 7:28 PM Subject: [aprssig] Re: SV:
> > The qAC path element (was NOCALL in Brevard)
> >
> > The point of the new method is that the callsign is added by the
> > hub based on who the connection is registered to, rather than a
> > user specifying it. In
>
> But this can also be added by the IGate and the server will not
> overwrite it.  Nor should it because there may be multiple servers
> that the packet passes through.
>
```

That is exaclty the point, with the q construct you have tracability
and can see exactly what the packet path was through the APRS IS.

The q construct serves important functions besides identifying the
IGate of origin. It provides a foolproof method of loop detection, if
all hub software implements the algorithm. It provides methods of
automatically characterizing the sort of packet it is. It would be
possible to write an app that dynamically maps out the APRS IS, showing
the where misconfigurations are occurring. These functions depend on
all the hubs implementing it. If only some do, it won't work!

> > other words, change the hubs rather than the dozens of existing
> > user programs, and you have complete traceability, rather than the
> > ,I system, which will fail forever with non-upgraded programs.
> > Furthermore, if a
>
> ???? What will fail, Steve? I understand adding the qAC if no ,I is
> present. But the system won't fail if a ,I is present and not
> converted. So the question still stands, why modify a perfectly
> usable construct?
>
What fails is that many people will not upgrade, so those non-upgraded
IGates remain forever a thprn in the side of those trying to maintain
the system. The q forms a separator between the RF path and the
internet path, making automatic tracking and loop prevention easy.

> > new validation system is ever implemented, this method allows
> > completely traceable chain of responsibility.
>
> Not necessarily in a multi-tier architecture.
>
Yes, in any architecture. Give me an example that would fail!

> My recommendation, to simplify matters and to continue to support
> working software in the field, is:
>
> Keep the TCPIP*/TCPXX* constructs for APRS-IS originated packets
> (validated/non-validated). They already identify the originating
> station.

I do not dispute this, it was the basis of my argument that the third
letter is redundant (as is the second, a simple q would represent the
first version of the q construct, if another letter were added to
fulfill some function then a version byte might be needed.

> Allow the ,I construct to pass unchanged. Only identify packets with
> neither of the above constructs with the qAC construct if the packet
> is received over a verified connection.
>
I strongly disagree. The I format ONLY identifies which IGate injected
the packet. It does nothing for loop prevention and automatic mapping
of the APRS IS.

> This proposal meets your traceability requirements.
>
No, it does not, it does NOTHING for the tracability I care about,
withing the APRS IS. A packet entering a 50th tier hub (not that they
exist, but do we really know? I have seen 7th tier in Europe) looks
exactly the same as one entering at the first tier, there is no
tracability within the APRS IS, no mapping functions can be
implemented, there is no loop prevention, and no accountability if a
new authentication system is implemented.

Steve K4HG

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766. [aprssig] Re: SV: The qAC path element (was NOCALL in Brevard)

From: "AE5PL Lists" <HamLists@ametx.com>
Date: Fri, 26 Jul 2002 21:51:08 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-91254-2002.07.26-22.30.02--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

> -----Original Message-----
> From: Steve Dimse [mailto:k4hg@tapr.org]

> Posted At: Friday, July 26, 2002 9:10 PM
> Subject: [aprssig] Re: SV: The qAC path element (was NOCALL
> in Brevard)
>
> No, it does not, it does NOTHING for the tracability I care about,
> withing the APRS IS. A packet entering a 50th tier hub (not that they
> exist, but do we really know? I have seen 7th tier in Europe) looks
> exactly the same as one entering at the first tier, there is no
> tracability within the APRS IS, no mapping functions can be
> implemented, there is no loop prevention, and no accountability if a
> new authentication system is implemented.

Re-read the q implementation as defined by Dale in his aprsD spec. Path tracing is not done with his implementation of the q construct. In other words, additions to the path are only done if the packet does not already have a q construct. This may not be what you wanted, but it is what has been implemented. Therefore, there is no loop prevention, no mapping function, nothing along the lines of what you are proposing. I originally thought that this tracing function was what was being implemented. However, after closer review, it does not appear so. And, I think that the current definitions for qAS are lacking if it was going to be used as a trace mechanism.

This is what I expect, however, when there are disorganized attempts at making radical changes to existing networks. Many ideas on how it should be done, many conflicting, many helping, many hurting, and, in the end, little change.

73,

Pete Loveall AE5PL
http://www.ae5pl.net
mailto:pete@ae5pl.net

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---

767. [aprssig] findu backup credit list updated

From: "Guy Story, KC5GOI" <kc5goi@kc5goi.net>
Date: Fri, 26 Jul 2002 23:23:47 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-91266-2002.07.27-00.02.46--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

I have received all the names that have made donations to the backup server. If you are missing or have a correction, email me off the list servers. I also found out last saturday that there were a few checks still not run. That was taken care of early this week and pushed the total to $6700.

I wish I could tell everyone that the server is in but I found out that the original cart we had created expired. That occured due to the delay in finding the 501c3 document. The document will allow Dell to give us a break on the sales tax. Dell will quote the final price when they get the document. The treasurer for the DCARA was on vacation the week I found out that the cart was fixing to expire. We have all the documentation in place and a much higher amount that we had when the cart was built for the order.

Additional delays that have occured have been the results of work, 2 bike rides (MADD and MS150) family and other assorted "disasters" that life deals out.

Let me talk about the server instead of excuses. Clint Miller , KD5BYY is going to be the primary admin on the server. We will be third and I am looking for someone to act as the secondary. That person will need to be very knowledgeable about Linux, Apache and sql databases. I have had some discussion with Steve about the redundancy levels. Clint is an owner of Itel-Tigerbyte and specs out all our equipment. The backup server will be featuring tape backup and a small raid array. If a system failure happens and it takes out the data disk and it's raid mirror, the tape backup will save that data. The server is not going to be built by Dell with all the memory that is planned for it. Dell is very proud of it's memory upgrades and we can beat the pricing by using local vendors for memory. We orginally wanted to get a rack mountable system but that costs more than it is worth. It is amazing what a rack mount form factor can do to cost. It will have a dedicated battery backup and will talk to the UPS so if it needs to shut down, it can do so in an intelligent manner. Last thing we want is to see a corrupt database due to a bad shutdown.

The server will be located at the co-location facility in Dallas Texas. It will be connected via a T1 that links back to the Denton office. The Denton office is feed by a buisness class 1.5 megabit DSL circuit. The Dallas Co-location facility also has redundant power and generator backup.

When I have the cart that is ordered I will post it to the lists so you can see what your donations purchased. Pictures will also be posted when the server arrives.

Many hams contacted me directly offering to help purchase or find a location to make the server home. Thank you everyone for your offers. They were not ignored or treated lightly.

I want to thank everyone for being patient in this endevor. It has taken longer than anyone expected, but then again, it has exceeded most peoples wildest expections. It will be worth the wait. Spider has been instrumental in the donation collection process. Over half the collected donations were routed through him. Jim, I was not joking when I said you won the race. Brent was also a major source of donation collections with his generous offer. TAPR, as always, was a great helper and sport. We all owe these guys a big thanks at this time. The most important players have been those of you who were able to make donations. Pat yourselves on the back. You deserve it.

73

--
Guy Story, KC5GOI
Itel-Tigerbyte LLC
gstory@tigerbyte.com
940.891.4575

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---

768. [aprssig] APRS icon confusion ...

From: WA8LMF2@aol.com
Date: Sat, 27 Jul 2002 01:19:26 EDT
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-91285-2002.07.27-00.58.29--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

I'm getting ready for a cross-country trip from southern Cal to Michigan starting next Thursday or Friday. I thought it would be neat to beacon the SSTV icon on my mobile APRS setup since I DO run SSTV mobile with a live camera.

According to the official APRS standard (APRS101.PDF) the upper case letter "T" [for "television" perhaps?] is assigned to the SSTV icon.
When I set this letter into APRSplus, it shows "Thunderstorm" instead.
I noticed that upper-case-T in both the primary and secondary set are assigned to Thunderstorm in APRSplus. Furthermore, the secondary-K is shown as "unassigned" instead of the Kenwood logo as the D700 itself (and APRS101.PDF) show.

Which is more current? What would the weather guys think of a thunderstorm precisely tracking Interstate-70 across the southern Utah desert?

Should I load the bitmap set in APRSplus into a paint program and revise it? (Of course that won't help anyone else with APRSplus that sees me enroute.)

```
Stephen H. Smith                   wa8lmf @ aol.com
Home Page:
http://members.aol.com/wa8lmf
Ham Radio/Mobile SSTV page:     http://members.aol.com/wa8lmf/ham
APRS Stuff
http://members.aol.com/wa8lmf/aprs
------------------------------------------------------------------------------

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|    Radio Communications Systems       Personal Computers
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| GPS Custom Mapping   &   Radio Coverage Surveys
| File Conversions   MS-Windows Setups   VISCII Fonts

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769. [aprssig] Re: APRS icon confusion ...

From: David VanHorn <dvanhorn@cedar.net>
Date: Sat, 27 Jul 2002 00:41:48 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-91286-2002.07.27-01.20.42--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

At 01:19 AM 7/27/2002 -0400, WA8LMF2@aol.com wrote:
>I'm getting ready for a cross-country trip from southern Cal to Michigan
>starting next Thursday or Friday. I thought it would be neat to beacon
>the SSTV icon on my mobile APRS setup since I DO run SSTV mobile with a
>live camera.

You mean there's TWO of us? :)

>Which is more current?   What would the weather guys think of a
>thunderstorm precisely tracking Interstate-70 across the southern Utah
>desert?

It has been a slow season.

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770. [aprssig] Re: Mobile SSTV was Re: APRS icon confusion ...

From: WA8LMF2@aol.com
Date: Sat, 27 Jul 2002 04:47:38 EDT
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-91291-2002.07.27-04.27.22--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

In a message dated 7/26/02 10:43:45 PM Pacific Daylight Time,
dvanhorn@cedar.net writes:

> >I'm getting ready for a cross-country trip from southern Cal to Michigan
> >starting next Thursday or Friday. I thought it would be neat to beacon
> >the SSTV icon on my mobile APRS setup since I DO run SSTV mobile with a
> >live camera.
>
> You mean there's TWO of us? :)
>

See my website at:
   http://members.aol.com/wa8lmf/ham

for more details of my setup

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771. [aprssig] Fw: [rig-l] Toshiba Libretto mini laptop for sale

From: Mark Phillips <g7ltt@g7ltt.com>
Date: Sat, 27 Jul 2002 08:05:40 -0400
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-91293-2002.07.27-07.44.31--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

> Hi Folks,
>
> I'm selling just the thing you all need for those remote, not much room in

the bag, needs to run on batteries, operations.
>
> Toshiba Libretto 110CT with 4GB HDD, PCMCIA floppy, psu, 10/100 PCMCIA
network card, 64mb RAM. Ni-MH battery (about 2 years old). Offers over $300
please. Paypal only
>
> This device is ideal for an in car APRS terminal or maybe a field WXSAT
decoder or anything else you can think of.
>
> Mark Phillips, G7LTT/KC2ENI
> Randolph, NJ 07869
> http://www.g7ltt.com

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---

772. [aprssig] Re: findu backup credit list updated

From: "Ronald Reams" <wa4mjf@worldnet.att.net>
Date: Sat, 27 Jul 2002 08:28:30 -0400
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-91295-2002.07.27-08.07.54--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

As one who has a 501 (C) (3), if you give the vendor your
TIN, that is usually sufficient. They can look it up with
the IRS, but I've never had a vendor that curious.

I've neve had one wanna see the incoporation papers, filein's
with the IRS, etc.

Too late for this deal, but for future reference.

73 de Ronnie

----- Original Message -----
From: "Guy Story, KC5GOI" <kc5goi@kc5goi.net>
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Sent: Saturday, July 27, 2002 00:23
Subject: [aprssig] findu backup credit list updated

I have received all the names that have made donations to the backup server.
If you are missing or have a correction, email me off the list servers. I
also found out last saturday that there were a few checks still not run.
That was taken care of early this week and pushed the total to $6700.

I wish I could tell everyone that the server is in but I found out that the
original cart we had created expired. That occured due to the delay in
finding the 501c3 document. The document will allow Dell to give us a break
on the sales tax. Dell will quote the final price when they get the
document.
The treasurer for the DCARA was on vacation the week I found out that the
cart was fixing to expire.   We have all the documentation in place and a
much higher amount that we had when the cart was built for the order.

Additional delays that have occured have been the results of work, 2 bike
rides (MADD and MS150) family and other assorted "disasters" that life
deals
out.

Let me talk about the server instead of excuses. Clint Miller , KD5BYY is
going to be the primary admin on the server. We will be third and I am
looking for someone to act as the secondary. That person will need to be
very knowledgeable about Linux, Apache and sql databases. I have had some
discussion with Steve about the redundancy levels. Clint is an owner of
Itel-Tigerbyte and specs out all our equipment. The backup server will be
featuring tape backup and a small raid array. If a system failure happens
and it takes out the data disk and it's raid mirror, the tape backup will
save that data. The server is not going to be built by Dell with all the
memory that is planned for it. Dell is very proud of it's memory upgrades
and we can beat the pricing by using local vendors for memory. We orginally
wanted to get a rack mountable system but that costs more than it is worth.
It is amazing what a rack mount form factor can do to cost. It will have a
dedicated battery backup and will talk to the UPS so if it needs to shut

down, it can do so in an intelligent manner. Last thing we want is to see a
corrupt database due to a bad shutdown.

The server will be located at the co-location facility in Dallas Texas. It
will be connected via a T1 that links back to the Denton office. The Denton
office is feed by a buisness class 1.5 megabit DSL circuit. The Dallas
Co-location facility also has redundant power and generator backup.

When I have the cart that is ordered I will post it to the lists so you can
see what your donations purchased. Pictures will also be posted when the
server arrives.

Many hams contacted me directly offering to help purchase or find a location
to make the server home. Thank you everyone for your offers. They were not
ignored or treated lightly.

I want to thank everyone for being patient in this endevor. It has taken
longer than anyone expected, but then again, it has exceeded most peoples
wildest expections. It will be worth the wait. Spider has been
instrumental
in the donation collection process. Over half the collected donations were
routed through him. Jim, I was not joking when I said you won the race.
Brent was also a major source of donation collections with his generous
offer. TAPR, as always, was a great helper and sport. We all owe these
guys
a big thanks at this time. The most important players have been those of
you
who were able to make donations. Pat yourselves on the back. You deserve
it.

73

--
Guy Story, KC5GOI
Itel-Tigerbyte LLC
gstory@tigerbyte.com
940.891.4575

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---

773. [aprssig] Re: findu backup credit list updated

From: "Spider" <spider@rivcom.net>
Date: Sat, 27 Jul 2002 07:17:04 -0700
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-91298-2002.07.27-09.56.15--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

..
----- Original Message -----
From: "Guy Story, KC5GOI" <kc5goi@kc5goi.net>

>
> I want to thank everyone for being patient in this endevor. It has taken
> longer than anyone expected, but then again, it has exceeded most peoples
> wildest expections. It will be worth the wait. Spider has been
instrumental
> in the donation collection process. Over half the collected donations
were
> routed through him. Jim, I was not joking when I said you won the race.
> Brent was also a major source of donation collections with his generous
> offer. TAPR, as always, was a great helper and sport. We all owe these
guys
> a big thanks at this time. The most important players have been those of
you
> who were able to make donations. Pat yourselves on the back. You deserve
> it.

Guy! Do not forget to look in the mirror and thank yourself for the efforts
you have
provided that will benefit those that use Findu. You've been the focal
point for this
project since day one!

Thanks for the kind words.

Jim, WA6OFT

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774. [aprssig] Can't See Packets On/In Map Window

From: wa4tkg@attbi.com
Date: Sat, 27 Jul 2002 14:36:35 +0000
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-91305-2002.07.27-10.15.30--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

I can't see live/monitored packets in the map window,
off the air.

I can see half of what's transmitted.

Bug?, or I have something set wrong/not set.

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775. [aprssig] APRS False Adventure

From: "Herb Gerhardt" <hgerhardt@charter.net>
Date: Sat, 27 Jul 2002 07:54:22 -0700
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-91306-2002.07.27-10.33.49--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Last week I went on a backpacking trip into the Olympic Mountains in WA. I left my D700 tracker set up in my truck as a digi with my Garmin III+ GPS attached. This makes it easier for my HT tracker to make it into the network. I use PM 5 for this setting which is set to only transmits once every 30 minutes and the display shut off. It took us just under 8 hours to hike/bushwhack into my favorite high mountain lake (Wonder Lake) in the Wonder Wilderness. Once we got there I checked the air distance from my truck with my D7 tracker from camp. It was 2.3 air miles.

The next day after doing some extensive hiking in the Wonder Wilderness, I checked my truck again and now it was 9.4 miles from my camp. I plugged my other III+ into my D7 and let it plot my truck on the GPS screen. It turned out that my truck was now on a logging road on the other side of Lake Wynoochie! Well what else could it be other than someone stole my truck and drove it to the other side of Lake Wynoochie and left the tracker running! How stupid for a car thief!

We had some interesting discussions that evening as to what we should do. Inform the Sheriff? Inform my wife? Call some of our friends to have them check things out? etc..... I decided to play it cool and do nothing until we got back to our starting point the next day which was over 10 miles from any civilization and even that was only a Forest Service Campground. Back in my mind lurked the fact that both the D700 and the GPS use microprocessors and microprocessors do hang up once in a while. So, we really did not want to alarm anyone, besides us, that my truck might be stolen.

The next afternoon when we returned to our starting point, we were pleased to see that my truck was still right where we left it! I opened the door and looked at my GPS screen which read "Invalid GPS Data, Power Down to Reinitialize!" Boy I was sure glad that I did not alert the Sheriff or anyone else since I would have looked like a fool, especially since I am working with the local Sheriff in trying to integrate APRS into our SAR activities.

Someone many miles from our location did notice that something was wrong and sent a message to my D700: "108 mph, 44000ft. Were are U?" Ah, if they had only sent that message to my D7 which I had in camp, I would have realized that it was definitely an equipment problem and not a theft of my truck! Of course it also dawned on me at that time that I should have looked at the other parameters on my "moved" station on the D7 and I would have noticed the bum speed. Yes, the speed (s108) was available to me on my D7 but it was not a thing a thought about looking at. I am sure I will next time.

There were two lessons learned from this experience:

1. Our modern electronics/microprocessors do hang up once in a while, so do not jump to conclusions until you verify the real problem.

2. If you see someone's tracker out there doing some strange things, don't just send a message to that tracker, but also send one to the same call sign on an HT tracker that is/was located in that same general vicinity. Also try voice communications if they are sending out a repeater frequency in their data string.

I am sure if I ever run into the problem of my truck having changed locations again when I am in the high county, I will just say to myself: "Ah, I have seen this before" and ignore the situation. I sure hope that it will be a similar problem and not be surprised when I come back out and find my truck gone! Hi, hi....

Herb, KB7UVC
NW APRS Group, West Sound Coordinator
Our WEB Site: www.nwaprs.org

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---

776. [aprssig] Re: Can't See Packets On/In Map Window

From: "hasan schiers" <schiers@netins.net>
Date: Sat, 27 Jul 2002 10:06:43 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-91307-2002.07.27-10.45.42--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

See interspersed comments below

hasan schiers, N0AN

schiers@netins.net
or use amsat.org or arrl.net remailer
----- Original Message -----
From: <wa4tkg@attbi.com>
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Sent: Saturday, July 27, 2002 9:36 AM
Subject: [aprssig] Can't See Packets On/In Map Window

> I can't see live/monitored packets in the map window,
> off the air.

You can't see ANY...or you don't see as many as you think you should?

> I can see half of what's transmitted.

Transmitted by you, or transmitted by others to be received by you?

> Bug?, or I have something set wrong/not set.

Bug in what? You don't tell us what software you are running. The APRS clients I'm familiar with don't have any bug that would cause what you are seeing, but I'm only guessing because I don't know what your setup is like.

There are a lot of people willing to help (me included), but it is very easy to get frustrated when the question leaves one guessing, and no mention is made of the radio/tnc/software program that we are allegedly going to try to help with.

If you want help, provide at least the basic info.

1. What program are you running?
2. What radio and tnc combo are you using?
3. Do you see ANY packets/stations on the screen?
4. How did you set your squelch/volume to the TNC?

Short of a bad connection, I'm betting on number 4, but I've never won the lottery.
<g>

More info PLEASE!

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Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

---

777. [aprssig] Re: Can't See Monitored Text In Map Window

From: wa4tkg@attbi.com
Date: Sat, 27 Jul 2002 15:11:12 +0000
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: aprssig@lists.tapr.org (APRS SIG)
Message-ID: <LYR842-91308-2002.07.27-10.50.40--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

The MONITORED PACKETS, off the air (2M), will only
show about HALF the text, the rest is OFF SCREEN, to
the LEFT side of Map window, and is UNreadable.
HALF of monitored packets show up, the rest is cut
off.

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---

778. [aprssig] Re: APRS False Adventure

From: "G. Beat \(W9GB\)" <gregory.beat@attbi.com>
Date: Sat, 27 Jul 2002 10:13:33 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-91309-2002.07.27-10.53.20--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

----- Original Message -----
From: "Herb Gerhardt" <hgerhardt@charter.net>
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Sent: Saturday, July 27, 2002 9:54 AM
Subject: [aprssig] APRS False Adventure

>
> Someone many miles from our location did notice that something was wrong
and
> sent a message to my D700: "108 mph, 44000ft. Were are U?" Ah, if they
had
> only sent that message to my D7 which I had in camp, I would have realized
> that it was definitely an equipment problem and not a theft of my truck!
Of
> course it also dawned on me at that time that I should have looked at the
> other parameters on my "moved" station on the D7 and I would have noticed
> the bum speed. Yes, the speed (s108) was available to me on my D7 but it
> was not a thing a thought about looking at. I am sure I will next time.
>
Herb -

I thought it was quite nice for "ET" to bring your truck back to where you
left it
..... after borrowing it (that explains the GPS altitude and speed).

Are you sure you did not find a bag on Reese's Pieces on the seat?   :-)

G. Beat
w9gb

```
---
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```

779. [aprssig] Re: APRS False Adventure

```
From: Dick Reichenbach <dreichen@columbus.rr.com>
Date: Sat, 27 Jul 2002 11:17:36 -0400
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-91310-2002.07.27-10.56.07--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain
```

```
Herb Gerhardt wrote:

>         2.      If you see someone's tracker out there doing some strange things, don't
> just send a message to that tracker, but also send one to the same call sign
> on an HT tracker that is/was located in that same general vicinity.  Also
> try voice communications if they are sending out a repeater frequency in
> their data string.
>

>
> Herb, KB7UVC
> NW APRS Group, West Sound Coordinator
> Our WEB Site:  www.nwaprs.org

Hmm.  My D700 will receive any message sent to my call, whether or not the message was
addressed to the D700 SSID or not.  I think it's a feature and is documented in the manual.
I assume the D7 is the same.

Also while we are on the subject, if you know the person you're sending the message to has a
D700, go ahead and use the % as the first character of the message, just in case that person
has a speech board installed.  That would make my day.

Dick R.


---
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```

780. [aprssig] Re: Can't See Monitored Text In Map Window

```
From: Steve Jones <s.jones@rogers.com>
Date: Sat, 27 Jul 2002 12:14:38 -0400
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-91315-2002.07.27-11.53.48--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain
```

```
on 7/27/02 11:11 AM, wa4tkg@attbi.com at wa4tkg@attbi.com wrote:

> The MONITORED PACKETS, off the air (2M), will only
> show about HALF the text, the rest is OFF SCREEN, to
> the LEFT side of Map window, and is UNreadable.
> HALF of monitored packets show up, the rest is cut
> off.

Still have no idea what program you are running.

I think anybody would be hard pressed to help you without knowing this
crucial piece of information.

--
Steve <s.jones@rogers.com>




---
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```

781. [aprssig] Re: Can't See Monitored Text In Map Window

```
From: Robbie <mwrobertson@attbi.com>
Date: Sat, 27 Jul 2002 11:37:04 -0500
```

To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: TAPR APRS Special Interest Group <aprssig@lists.tapr.org>
Message-ID: <LYR842-91338-2002.07.27-12.15.26--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

```
Also sounds like the resolution on the monitor may be set wrong,
like 600x480 instead of 800x600?

Again, just guessing since not enough information given..

Robbie,  wa9inf

Steve Jones wrote:
>
> on 7/27/02 11:11 AM, wa4tkg@attbi.com at wa4tkg@attbi.com wrote:
>
> > The MONITORED PACKETS, off the air (2M), will only
> > show about HALF the text, the rest is OFF SCREEN, to
> > the LEFT side of Map window, and is UNreadable.
> > HALF of monitored packets show up, the rest is cut
> > off.
>
> Still have no idea what program you are running.
>
> I think anybody would be hard pressed to help you without knowing this
> crucial piece of information.
>
> --
> Steve <s.jones@rogers.com>
>
> ---
> You are currently subscribed to aprssig as: mwrobertson@attbi.com
> To unsubscribe send a blank email to leave-aprssig-842K@lists.tapr.org
> Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

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Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org
```

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782. [aprssig] Re: Uiview newbie

From: "Cap Pennell" <cap@cruzio.com>
Date: Sat, 27 Jul 2002 10:05:52 -0700
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-91348-2002.07.27-12.44.45--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

```
The new version of UI-View32 can now also use Undertow Software's Precision
Mapping 5.0 !
Cool!  Works slick!
http://www.ui-view.com/uiview32/uivpmap.shtml

73, Cap KE6AFE

> -----Original Message-----
> From: bounce-aprssig-1953@lists.tapr.org
> [mailto:bounce-aprssig-1953@lists.tapr.org]On Behalf Of WA8LMF2@aol.com
> Sent: Thursday, July 25, 2002 12:56 PM
> To: TAPR APRS Special Interest Group
> Subject: [aprssig] Re: Uiview newbie
>
>
> In a message dated 7/25/02 12:34:30 PM Pacific Daylight Time,
> sontag@swva.net
> writes:
>
> > Have just started to use uiview and like it's features. Is
> there a url for
> >  a large scale map of the state of Virginia somewhere?
>
> You can generate all the
<snip>



---
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```

783. [aprssig] Re: Mobile SSTV was Re: APRS icon confusion ...

From: David VanHorn <dvanhorn@cedar.net>
Date: Sat, 27 Jul 2002 12:26:54 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-91350-2002.07.27-13.05.37--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

```
At 04:47 AM 7/27/2002 -0400, WA8LMF2@aol.com wrote:


>See my website at:
>    http://members.aol.com/wa8lmf/ham
>
>for more details of my setup


What's the forward VHF/UHF stick?  I'm running a Diamond SG7900.
It's a bit tall, but great gain.  I worked out a mount for it, at
http://www.inchase.org/outflow/events/installnic2002/f5Mount.html

I've not run HF mobile, all my activity has been on VHF.




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Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org
```

784. [aprssig] Re: Uiview newbie

From: "Spider" <spider@rivcom.net>
Date: Sat, 27 Jul 2002 10:27:09 -0700
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-91351-2002.07.27-13.06.28--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

```
Subject: [aprssig] Re: Uiview newbie


> The new version of UI-View32 can now also use Undertow Software's
Precision
> Mapping 5.0 !
> Cool!  Works slick!
> http://www.ui-view.com/uiview32/uivpmap.shtml


Yes indeed!  Roger has a SUPER PRODUCT using UI-View32 and Precision Mapping
V5.0.

You can do just about everything needed with this new release.  I just can't
beleive he choose to keep the price at $15.00!
I think PMaps is about $49 or $50.  So for about $65 you get an APRS mapping
setup that is stable, easy to use and just works awesome!  And I am pretty
sure you can order Pmaps through a link on his web page, www.ui-view.com .

During the Beta testing of this release, I have had the oppertunity to demo
it in front of several FEMA, BIA, State and County officials visiting and
involved in the area LEPC.  We were showing specific information
(FIRENET,METAR,etc), using UI-VIEW32 and PMaps and they were very impressed.
(btw during the demo, a Sat went by so they got to see that too!).
I guess the next best thing would be GIS interfacing...but I think we'd be
looking at really big bucks!

Jim







---
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Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org
```

785. [aprssig] Re: Mobile SSTV was Re: APRS icon confusion ...

From: David VanHorn <dvanhorn@cedar.net>
Date: Sat, 27 Jul 2002 12:29:16 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-91352-2002.07.27-13.08.17--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

BTW, how does that camera do on clouds, where there is bright sun and
relatively dark areas at the same time?

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---

786. [aprssig] Re: Uiview newbie

From: David VanHorn <dvanhorn@cedar.net>
Date: Sat, 27 Jul 2002 12:36:39 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-91358-2002.07.27-13.19.04--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

At 10:05 AM 7/27/2002 -0700, Cap Pennell wrote:
>The new version of UI-View32 can now also use Undertow Software's Precision
>Mapping 5.0 !
>Cool! Works slick!
>http://www.ui-view.com/uiview32/uivpmap.shtml
>
>73, Cap KE6AFE

Yes, it certainly does. :)

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---

787. [aprssig] Re: Uiview newbie

From: David VanHorn <dvanhorn@cedar.net>
Date: Sat, 27 Jul 2002 12:47:00 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-91359-2002.07.27-13.25.47--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

>
>During the Beta testing of this release, I have had the oppertunity to
>demo it in front of several FEMA, BIA, State and County officials visiting
>and involved in the area LEPC. We were showing specific
>information(FIRENET,METAR,etc), using UI-VIEW32 and PMaps and they were
>very impressed.

Talk to me boy!   ETE-2 is sitting in the county EOC radio room, and will
be running UI today.

I'm very interested in expanding it's use.

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---

788. [aprssig] Re: Mobile SSTV was Re: APRS icon confusion ...

From: WA8LMF2@aol.com
Date: Sat, 27 Jul 2002 15:03:18 EDT
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-91363-2002.07.27-14.42.16--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

In a message dated 7/27/02 10:27:00 AM Pacific Daylight Time,
dvanhorn@cedar.net writes:

> What's the forward VHF/UHF stick? I'm running a Diamond SG7900.
> It's a bit tall, but great gain. I worked out a mount for it, at
> http://www.inchase.org/outflow/events/installnic2002/f5Mount.html
>
> I've not run HF mobile, all my activity has been on VHF.

>

Front antenna is a Comet 2M-UHF-800MHz that I use simultaneously on the Kenwood TM-742 2M and UHF bands, and on the LA County EDACS 800 MHz trunking system using a Comet 3-port triplexer. Or with a 800 MHz cell phone. You should see what 10 dBd gain at 800 MHz does for the range of a classic 3-watt bag phone! A friend's wimpy Verizon Nokia handset got into a cell site 25 miles away with it!

The center one is a Comet SB-14 6M-2M-UHF. It handles the 2 and UHF outputs of the D700 along with the 6M output of the TM-742 via another (different) 3-port triplexer.

The back one is the Yaesu ATAS-100 autotune screwdriver that tunes continuously from 40M thru 6M and also works after a fashion on 2M and UHF so it covers all the bands of the FT-100 except 80 and 160.

Finally you can see the stupid OEM active AM-FM whip that overloads anytime I transmit on any band. would have much rather had a classic passive whip on the front fender but the EMI-RFI from engine control electronics is so severe nowdays that everyone is trying to place the broadcast whip as far away from the engine area as possible...

At the lip of the tailgate is a Tri-M Engineering SuperSkymaster GPS. That white device is the entire GPS system including the 12-channel receiver, not just a patch antenna. It mounts through a single 3/4" hole. You feed 5VDC into it and RS-232 NMEA 2.0 data comes out. No feedline loss at all and no overload problems from amplified active GPS antennas!

```
Stephen H. Smith                   wa8lmf @ aol.com
Home Page:
http://members.aol.com/wa8lmf
Ham Radio/Mobile SSTV page:     http://members.aol.com/wa8lmf/ham
APRS Stuff
http://members.aol.com/wa8lmf/aprs
------------------------------------------------------------------------------

----------
|    Radio Communications Systems       Personal Computers
|                Consulting and Systems Integration
|    GPS Custom Mapping    &     Radio Coverage Surveys
|    File Conversions       MS-Windows Setups       VISCII Fonts
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---

789. [aprssig] Re: Can't See Packets On/In Map Window

From: Edward Leicester <edwardl@inteliport.com>
Date: Sat, 27 Jul 2002 15:18:41 -0400
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-91365-2002.07.27-14.58.33--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

If you are running winaprs, I had the same problem with 2.4.6. I could only receive less than half of a transmitted message/packet in the bottom of the map display, the first part of the text was hidden behind the left side of the screen. I also had problems getting the last half of the messages in the message display. upgrading to 2.6.1 took car of that. Just a thought.

73 de kg4qmi

wa4tkg@attbi.com wrote:

> I can't see live/monitored packets in the map window,
> off the air.
>
> I can see half of what's transmitted.
>
> Bug?, or I have something set wrong/not set.
>
> ---
> You are currently subscribed to aprssig as: edwardl@inteliport.com
> To unsubscribe send a blank email to leave-aprssig-842K@lists.tapr.org

> Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

--
Edward Leicester
Region 1 Director
North Carolina Baptist Men
Hm 252.426.7246
Pgr 800.283.1212/8880649
KG4QMI 2m/70cm

THY WORD IS A LAMP UNTO MY FEET AND A LIGHT UNTO MY PATH.
PSALMS 119:105
http://www.hertfordbaptist.org

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---

790. [aprssig] Any M10 or GM-300 Users

From: "Rich Garcia" <k4gps@bellsouth.net>
Date: Sat, 27 Jul 2002 20:41:58 -0400
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: <motorola-user@yahoogroups.com>
Message-ID: <LYR842-91400-2002.07.27-20.19.57--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Can anyone tell me if the M10 and GM-300 will go down to 144.39 ?
Any degradation in performance ? I just got a handfull of them and
was interested in using them for APRS.

Rich k4gps
k4gps@bellsouth.net

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Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

---

791. [aprssig] Re: Any M10 or GM-300 Users

From: "Spider" <spider@rivcom.net>
Date: Sat, 27 Jul 2002 18:17:43 -0700
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-91402-2002.07.27-20.56.56--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Yes the GM300 will....however need special program which I have!!!

Jim - Wa6oft

----- Original Message -----
From: "Rich Garcia" <k4gps@bellsouth.net>
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: <motorola-user@yahoogroups.com>
Sent: Saturday, July 27, 2002 5:41 PM
Subject: [aprssig] Any M10 or GM-300 Users

> Can anyone tell me if the M10 and GM-300 will go down to 144.39 ?
> Any degradation in performance ? I just got a handfull of them and
> was interested in using them for APRS.
>
> Rich k4gps
> k4gps@bellsouth.net
>
>
>
> ---
> You are currently subscribed to aprssig as: spider@rivcom.net
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>
>
>

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```

792. [aprssig] Re: Any M10 or GM-300 Users

```
From: "Spider" <spider@rivcom.net>
Date: Sat, 27 Jul 2002 18:30:16 -0700
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-91404-2002.07.27-21.09.22--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain
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```
Rich!  I forgot to tell you, the GM300 is normally an 8 channel radio.
However, it is REALLY a 16 channel radio...and is only limited by the
programmer!!
All my GM300's have 16 channels in them.
The MaxTrac's and M100/GM300's make excellant APRS Radios.  Two of them and
a thing called a RIC make excellant portable repeaters too!

Jim

----- Original Message -----
From: "Rich Garcia" <k4gps@bellsouth.net>
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: <motorola-user@yahoogroups.com>
Sent: Saturday, July 27, 2002 5:41 PM
Subject: [aprssig] Any M10 or GM-300 Users


> Can anyone tell me if the M10 and GM-300 will go down to 144.39 ?
> Any degradation in performance ? I just got a handfull of them and
> was interested in using them for APRS.
>
> Rich k4gps
> k4gps@bellsouth.net
>
>
>
> ---
> You are currently subscribed to aprssig as: spider@rivcom.net
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>
>
>




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793. [aprssig] OT: Sprint and GPS

```
From: "Wes Johnston" <wes@johnston.net>
Date: Sat, 27 Jul 2002 21:57:18 -0400
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-91406-2002.07.27-21.36.21--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain
```

```
My father in law just got a new sprint phone which has GPS built in.  It
appears to use the PCS antenna for GPS rx as well.  Pretty neat, and pretty
tiny.  My question is: Does anyone know how to track the location of this
phone via the web?  I can't find it on Sprint's web page.

Of course you know the next killer app will be to have a server "pull"
posits from a list of phones and x-late to aprsIS.

Wes


---
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Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

---

794. [aprssig] Re: OT: Sprint and GPS

From: Steve Dimse <k4hg@tapr.org>
Date: Sat, 27 Jul 2002 22:15:33 -0400
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: TAPR APRS Special Interest Group <aprssig@lists.tapr.org>
Message-ID: <LYR842-91407-2002.07.27-21.54.29--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

```
> My father in law just got a new sprint phone which has GPS built in.  It
> appears to use the PCS antenna for GPS rx as well.  Pretty neat, and pretty
> tiny.  My question is: Does anyone know how to track the location of this
> phone via the web?  I can't find it on Sprint's web page.
>
> Of course you know the next killer app will be to have a server "pull"
> posits from a list of phones and x-late to aprsIS.
>
Already doing it with the commercial AVL unit I won from Earthlink, very easy:

http://www.findu.com/cgi-bin/track.cgi?call=avl&geo=usa.geo&start=9999

You can compare the track for the D700 on trips to Virginia and Boca Grande:

http://www.findu.com/cgi-bin/track.cgi?call=k4hg-8&geo=usa.geo&start=9999

The AVL was transmitting every minute, the D700 every three minutes,
and the winner is easy to see.

There is a ham that has a wireless GPS device, and I've used it to
check his position, it would be quite easy to add it to findU, but he
has no need for it, as it cost him $$$ each time it was checked. If
anyone has a device like this and wants this feature just let me know.

The devices that have email connectivity and Palm or Java
programmability could easily be made to email their reports to findU.

Steve K4HG

---
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---

795. [aprssig] Re: Any M10 or GM-300 Users

From: Rich@Osman.com
Date: Sat, 27 Jul 2002 20:33:41 -0700 (PDT)
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: aprssig@lists.tapr.org
Message-ID: <LYR842-91414-2002.07.27-23.12.38--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

```
I think that these are the perfect radios for trackers.  The M10 is the
single channel version of the M120 (2 channel) and GM300 (8 to 32 channel.)
The sixteen pin connector on the back will provide all the connections you
need if the radio is properly programmed and jumpered.  Digi-key has the
connectors and contacts.  Drop me a note for the part numbers, they aren't
in the catalog.

http://www.batlabs.com/gm300.html

Do any of them need new homes?

On Sat, 27 July 2002, "Rich Garcia" wrote:

>
> Can anyone tell me if the M10 and GM-300 will go down to 144.39 ?
> Any degradation in performance ? I just got a handfull of them and
> was interested in using them for APRS.
>
> Rich k4gps
> k4gps@bellsouth.net
>
>
>
> ---
> You are currently subscribed to aprssig as: rich@osman.com
> To unsubscribe send a blank email to leave-aprssig-842K@lists.tapr.org
> Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org
```

mailto:Rich@Osman.com http://www.rich.osman.com
Rich Osman; POB 93167; Southlake, TX 76092 (Near DFW
Airport) ARS: N1OZ

If you receive something that says "Send this to
everyone you know,"
      PLEASE pretend you don't know me.

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---

796. [aprssig] Re: OT: Sprint and GPS

From: Jeff King <jeff@aerodata.net>
Date: Sun, 28 Jul 2002 00:39:32 -0400
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-91423-2002.07.28-00.11.48--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

On Sat, 27 Jul 2002 21:57:18 -0400, Wes Johnston wrote:
>My father in law just got a new sprint phone which has GPS built in.
>It appears to use the PCS antenna for GPS rx as well. Pretty neat, and
>pretty tiny. My question is: Does anyone know how to track the location of
>this phone via the web? I can't find it on Sprint's web page.

SamSung makes the phone. Here is the manual:

http://www.samsungtelecom.com/pdf/A460.pdf
http://www.samsungusa.com/cgi-bin/nabc/prod/hhcommerce/telecommunications/sph_
a460_features.jsp

But couldn't find any developer info (save for some WAP stuff). They may be
planning on using the GPS functions as a revenue source.

-Jeff

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---

797. [aprssig] RE: APRS False Adventure

From: "Brian B. Riley \(N1BQ\) ListAcct" <n1bq_list@wulfden.org>
Date: Sun, 28 Jul 2002 00:56:15 -0400
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-91424-2002.07.28-00.35.20--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

several points .....

 (1) the whole problem could have been avoided by 'capturing' the current
GPS posit into a position buffer, the setting GPS input to 'not used' and
shutting off the GPS. if the truck is parked it is not needed ... of course
if it had been stolen, you would have lost the tracking ...

 (2) any message to KB7UVC, regarless of SSID will be displayed on any
D7/D700 regardless of SSID, the only thing that will be done differently
will be that the unit with the matching SSID will be the only one to ACK the
message. If your D7 was on the whole time and you didn't get the message,
then you weren't in a position to get it, regardless if the SSID had been
right!

-----Original Message-----
From: bounce-aprssig-25883@lists.tapr.org
[mailto:bounce-aprssig-25883@lists.tapr.org]On Behalf Of Herb Gerhardt
Sent: Saturday, July 27, 2002 10:54 AM
To: TAPR APRS Special Interest Group
Cc: TAPR APRS Special Interest Group
Subject: [aprssig] APRS False Adventure

Last week I went on a backpacking trip into the Olympic Mountains in WA. I left my D700 tracker set up in my truck as a digi with my Garmin III+ GPS attached. This makes it easier for my HT tracker to make it into the network. I use PM 5 for this setting which is set to only transmits once every 30 minutes and the display shut off. It took us just under 8 hours to hike/bushwhack into my favorite high mountain lake (Wonder Lake) in the Wonder Wilderness. Once we got there I checked the air distance from my truck with my D7 tracker from camp. It was 2.3 air miles.

The next day after doing some extensive hiking in the Wonder Wilderness, I checked my truck again and now it was 9.4 miles from my camp. I plugged my other III+ into my D7 and let it plot my truck on the GPS screen. It turned out that my truck was now on a logging road on the other side of Lake Wynoochie! Well what else could it be other than someone stole my truck and drove it to the other side of Lake Wynoochie and left the tracker running! How stupid for a car thief!

We had some interesting discussions that evening as to what we should do. Inform the Sheriff? Inform my wife? Call some of our friends to have them check things out? etc..... I decided to play it cool and do nothing until we got back to our starting point the next day which was over 10 miles from any civilization and even that was only a Forest Service Campground. Back in my mind lurked the fact that both the D700 and the GPS use microprocessors and microprocessors do hang up once in a while. So, we really did not want to alarm anyone, besides us, that my truck might be stolen.

The next afternoon when we returned to our starting point, we were pleased to see that my truck was still right where we left it! I opened the door and looked at my GPS screen which read "Invalid GPS Data, Power Down to Reinitialize!" Boy I was sure glad that I did not alert the Sheriff or anyone else since I would have looked like a fool, especially since I am working with the local Sheriff in trying to integrate APRS into our SAR activities.

Someone many miles from our location did notice that something was wrong and sent a message to my D700: "108 mph, 44000ft. Were are U?" Ah, if they had only sent that message to my D7 which I had in camp, I would have realized that it was definitely an equipment problem and not a theft of my truck! Of course it also dawned on me at that time that I should have looked at the other parameters on my "moved" station on the D7 and I would have noticed the bum speed. Yes, the speed (s108) was available to me on my D7 but it was not a thing a thought about looking at. I am sure I will next time.

There were two lessons learned from this experience:

1. Our modern electronics/microprocessors do hang up once in a while, so do not jump to conclusions until you verify the real problem.

2. If you see someone's tracker out there doing some strange things, don't just send a message to that tracker, but also send one to the same call sign on an HT tracker that is/was located in that same general vicinity. Also try voice communications if they are sending out a repeater frequency in their data string.

I am sure if I ever run into the problem of my truck having changed locations again when I am in the high county, I will just say to myself: "Ah, I have seen this before" and ignore the situation. I sure hope that it will be a similar problem and not be surprised when I come back out and find my truck gone! Hi, hi....

Herb, KB7UVC
NW APRS Group, West Sound Coordinator
Our WEB Site: www.nwaprs.org

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798. [aprssig] Re: OT: Sprint and GPS

From: "G. Beat \(W9GB\)" <gregory.beat@attbi.com>
Date: Sun, 28 Jul 2002 00:26:05 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-91425-2002.07.28-01.05.08--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

I guess most amateurs missed the mandated changes in new cellular/PCS telephones.

For emergency purposes (911), the cellular providers needed a method to determine your location for reporting to emergency authorities. There were 2 different approaches (that I remember, without looking all of this up - again)

1.) The Sprint PCS approach: Put the GPS receiver in the phone and transmit information to cellular site
Telephone is a bit more expensive, accuracy potential high.

2.) The "cheap" method Some big names were advocates for this approach):
Cheap phone for consumer. Triangulate your position by determining the cellular sites serving your phone. Accuracy okay, intelligence & position calculations of data stream at each cellular site required.

w9gb

----- Original Message -----
From: "Jeff King" <jeff@aerodata.net>
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Sent: Saturday, July 27, 2002 11:39 PM
Subject: [aprssig] Re: OT: Sprint and GPS

On Sat, 27 Jul 2002 21:57:18 -0400, Wes Johnston wrote:
>My father in law just got a new sprint phone which has GPS built in.
>It appears to use the PCS antenna for GPS rx as well. Pretty neat, and
>pretty tiny. My question is: Does anyone know how to track the location of
>this phone via the web? I can't find it on Sprint's web page.

SamSung makes the phone. Here is the manual:

http://www.samsungtelecom.com/pdf/A460.pdf
http://www.samsungusa.com/cgi-bin/nabc/prod/hhcommerce/telecommunications/sp
h_
a460_features.jsp

But couldn't find any developer info (save for some WAP stuff). They may be planning on using the GPS functions as a revenue source.

-Jeff

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799. [aprssig] Re: Uiview newbie

From: "Bill Wells W4BOT" <sontag@swva.net>
Date: Sun, 28 Jul 2002 10:7:15
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>

Message-ID: <LYR842-91458-2002.07.28-10.46.11--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Many thanks to all of you! I appreciate your time in helping out.

very best regards,
Bill - W4BOT

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---

800. [aprssig] RE: APRS False Adventure

From: "Herb Gerhardt" <hgerhardt@charter.net>
Date: Sun, 28 Jul 2002 09:35:29 -0700
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: "nwaprssig" <nwaprssig@nwaprs.org>
Message-ID: <LYR842-91470-2002.07.28-12.14.17--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Responses to all the replies I received:

1. Yes, I am aware of that line up but I made a conscious decision to leave the GPS connected, just in case it does get stolen. My insurance is $500 deductible and full replacement, so it does not matter if they steal just my D700 or both my D700 and the GPS.

2. I have the old version of the TH-D7A not the G. The A only captures the messages addressed to the D7. At least I have never received one addressed to my other stations. The D700 captures all messages addressed to the base call sign. I really like that feature since I can respond to messages sent to my home station when I am off hunting for a couple of weeks.

3. Are you sure you did not find a bag on Reese's Pieces on the seat? :-)
No, I did not find any. Hi, hi

4. Also while we are on the subject, if you know the person you're sending the message to has a
D700, go ahead and use the % as the first character of the message, just in case that person
has a speech board installed. Yes, I have the speech board installed in my D700. Even if the other station does not use the % to "speak" the message, the radio will "speak" the call sign of the originating station. Neat feature.

Herb, KB7UVC
NW APRS Group, West Sound Coordinator
Our WEB Site: www.nwaprs.org

> -----Original Message-----
> From: Brian B. Riley (N1BQ) ListAcct [mailto:n1bq_list@wulfden.org]
> Sent: Saturday, July 27, 2002 9:56 PM
> To: Herb Gerhardt; TAPR APRS Special Interest Group
> Subject: RE: [aprssig] APRS False Adventure
>
>
> several points .....
>
> (1) the whole problem could have been avoided by 'capturing' the current
> GPS posit into a position buffer, the setting GPS input to 'not used' and
> shutting off the GPS. if the truck is parked it is not needed ...
> of course
> if it had been stolen, you would have lost the tracking ...
>
> (2) any message to KB7UVC, regarless of SSID will be displayed on any
> D7/D700 regardless of SSID, the only thing that will be done differently
> will be that the unit with the matching SSID will be the only one
> to ACK the
> message. If your D7 was on the whole time and you didn't get the message,
> then you weren't in a position to get it, regardless if the SSID had been
> right!
>
>
>
>

```
---
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```

801. [aprssig] RE: APRS False Adventure

From: "Mike Yetsko" <myetsko@insydesw.com>
Date: Sun, 28 Jul 2002 13:03:17 -0400
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: "nwaprssig" <nwaprssig@nwaprs.org>
Message-ID: <LYR842-91472-2002.07.28-12.46.06--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

```
> 3. Are you sure you did not find a bag on Reese's Pieces on the seat?
:-)
> No, I did not find any.  Hi, hi

You know, years ago I saw this movie where this kid had cancer and
the dad was doing all kinds of things to make the kid have fun.

The next door neighbor bought a new (at the time!) VW bug and was
bragging about the mileage.  He was meticulous about measuring it too.

So the kid and his dad snuck over every few nights and put in a can of
gas, which caused the neighbor to brag even more about the mileage he
was getting.  For a few weeks.

Then they changed tactics, and every few nights went over and siphoned
out a can of gas.

The neighbor was going nuts...

Now, if you had a friend you liked to play tricks on, and you KNEW
he had a tracker, and you KNEW how to hang the system up, and
you KNEW how to 'fake' his packets...

Mike



---
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```

802. [aprssig] Packet Radio and Emergency Communications...

From: Bill Vodall - WA7NWP <wa7nwp@yahoo.com>
Date: Sun, 28 Jul 2002 10:16:16 -0700
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-91473-2002.07.28-12.55.14--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

```
Here's a discussion at QRZ.Com with some interesting packet
and Emergency Communications information and comments.

   http://www.qrz.com/cgi-bin/ikonboard.cgi?act=ST&f=3&t=15739



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```

803. [aprssig] Digi Owners List?

From: "Ev Tupis (W2EV)" <w2ev@arrl.net>
Date: Sun, 28 Jul 2002 15:56:38 -0400
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-91500-2002.07.28-15.41.00--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

```
I seem to have lost track of it.  Where is it hosted these days?
Ev, W2EV
--
BEACONet lets you look at the world in ways never before imagined.
http://go.to/BEACONet


---
```

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804. [aprssig] FS: APRS/Computer related items

From: Mark Fellhauer <sparkfel@qwest.net>
Date: Sun, 28 Jul 2002 15:47:05 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-91501-2002.07.28-16.26.38--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

All prices include shipping CONUS
Prices Negotiable - USPS Money orders preferred
I DO NOT accept PayPal payments

AEA DM-1 Deviation Meter - $60.00
in original box w/manual

http://www.timewave.com/DM-1H.html

Radio Shack 2-meter 30-Watt RF
Amplifier (19-1122) - $32.00

Cisco 678 DSL Modem - $90.00
includes all cables, 3 inline filters, one wall-mount
filter, & power supply
(I'll see if I can dig up a Commander CD for the buyer,
but it's not required for setup)
These are going on eBay currently for over $150
Currently used by many ISP's including Qwest
(Don't let your ISP foist an internal modem on you!)

HP JetDirect Stand-alone network print server - $45.00
Model 170X (J3258A)
(Wall Mountable)

Axis 540+ Stand-alone print server - $55.00
very small - mounts directly to printer port - or
you can use a printer cable extender
can be powered directly from printer (if you can solder)

Regards,

Mark
KC7BXS

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805. [aprssig] Re: OT: Sprint and GPS

From: Doug McFadden <kc7imr@orednet.org>
Date: Sun, 28 Jul 2002 16:14:04 -0700 (PDT)
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-91520-2002.07.28-19.09.30--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

On Sat, 27 Jul 2002, Wes Johnston wrote:

>
> My father in law just got a new sprint phone which has GPS built in. It
> appears to use the PCS antenna for GPS rx as well. Pretty neat, and pretty
> tiny. My question is: Does anyone know how to track the location of this
> phone via the web? I can't find it on Sprint's web page.
>
> Of course you know the next killer app will be to have a server "pull"
> posits from a list of phones and x-late to aprsIS.
>
>

Wes, interresting ideas.   It seems to me we could use an additional
service.

Your ideas here, the recent flying truck at Wonder Lake Wa. and my own
experiments have me thinking. Most everyone carries a cell phone and most
the newer ones have "text" messaging, So let the user define his
requirements like start, stop time, day of week, radius or activity, call
sign, url of the phone and msg text to be used etc... etc. and if a
transaction comes accross the IS that fit the user's criteria, send a msg
to his phone.

Why a phone, not a D7? The people I work for are still pretty much "stone
knieves" and "bear skins" and would probably fire me if they saw me
carrying a D7 or ???, but I can take a cell phone into a board meeting and
nobody cares the least, go figure?

And doesn't DosAPRS do switches someway? game port or printer port??? If
so, we could monitor the basement filling up with water or the back door
ajar, endless possibillities. Maybe some of the other progs do too?

What would we call it? WarnU? Watchit? Oh, to have DSL! or at least a
full time connection.

just a thought,
Doug/KC7IMR

-=-

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806. [aprssig] Lightning, Surges, & Joules

From: wa4tkg@attbi.com
Date: Mon, 29 Jul 2002 01:04:30 +0000
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-91526-2002.07.28-20.43.28--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

I was wondering if there was/is anyone out there
with first hand experience of getting equipment
FRIED by lightning or surges....

I just bought a multi-outlet extension, with
supposed surge protection....one of the HIGHEST
Joule count....(coinsidential)..
Anyone have any kind of BEFORE & AFTER
stories to tell?
I used to work for a cable tv contractor.
  While out working in one area, while it was
particularly stormy, I witnessed a strike on a house, which came
down the Direct TV antenna (placed in a tall pine tree).
It came down the tree, through the roof, and EXPLODED an ENTIRE ROOM
full of furniture...not a pretty sight. You could clearly see into the living room
from the street, due to the circumstances, it was necessary to REMOVE
the front door of the house!

```
(TOTAL Blackness viewable from the street)

...just wondering, being the HIGHT of LIGHTNING season
here in the Lightning capitol of North America.

P.S.; If WE'RE the lightning Capitol, WHY do I
never see Lightning rods on the roofs anywhere, as I do
while driving through Virginia??!!

---
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```

807. [aprssig] FS: Optoelectronics Optolinx & more

From: Mark Fellhauer <sparkfel@qwest.net>
Date: Sun, 28 Jul 2002 20:14:47 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-91527-2002.07.28-20.53.56--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

```
Cleaning off my shelves...

As usual (for me) all prices include shipping CONUS.



For Sale:

-------------------------------------------------

One Optoelectronics Optolinx - $85.00
In orginal box, with manual
AR2700/8000 Flat Cable included
runs on 9 to 14 VDC
NO POWER SUPPLY INCLUDED
Look at the current price from Optoelectronics

http://www.optoelectronics.com/optolinx.htm

http://www.optoelectronics.com/price_list.htm

----------------------------------------------------


----------------------------------------------------

Recoton V900SXR Wireless Video Sender - $22.00
900 MHz Video transmitter and receiver
Factory Reconditioned
TX accepts composite video and L/R audio
RX outputs to standard RF cable channel 3
includes all cables, power supply and A/B Switch
Better video than my 2.4 GHz WaveComs, but I have 900 MHz phones...


http://www.recoton.com/_archived_sites/recoton_wireless/v900sx.asp

---------------------------------------------------



73,

Mark
KC7BXS






---
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```

808. [aprssig] Re: Lightning, Surges, & Joules

From: darnellb10@comcast.net
Date: Sun, 28 Jul 2002 21:11:40 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-91528-2002.07.28-21.51.25--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

>
> I just bought a multi-outlet extension, with
> supposed surge protection....one of the HIGHEST
> Joule count....(coinsidential)..

No, what you bought is a very expensive extension cord. These devices are
next to worthless after a few months. Better you should look to a hardwired
TVSS (surge suppressor) that is connected at your home service panel. These
are well worth the investment and can divert the larger surge currents
associated with a lightning discharge.

Brad - WA9BD
Manager - Power Quality Services
Edwards Electrical & Mechanical, Inc.
Indianapolis, IN

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809. [aprssig] Re: Lightning, Surges, & Joules

From: Glenn Little <glittle@awod.com>
Date: Sun, 28 Jul 2002 22:11:55 -0400
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-91535-2002.07.28-22.00.00--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

The surge suppressor conforms to UL 1449. It will let through voltages up
to 330 VAC. My figures could be off a little, but should be real
close. UL 1449 fails to specify the length of the ground wire for testing
the device for approval. So, they are tested with zero length ground. This
gives them the best numbers to advertise. The ground must be low inductance
dur to the nature of a lightning strike (HF energy). A ground length of 5
feet will elevate the 330 VAC suppression to about 1,000 VAC. Having a
short, low inductance ground is important.

My last job was evaluating equipment damage for possibility of lightning.

Hope this helps.
73
Glenn
WB4UIV

At 01:04 AM 7/29/02 +0000, wa4tkg@attbi.com wrote:
>I was wondering if there was/is anyone out there
>with first hand experience of getting equipment
>FRIED by lightning or surges....
>
>I just bought a multi-outlet extension, with
>supposed surge protection....one of the HIGHEST
>Joule count....(coinsidential)..
>Anyone have any kind of BEFORE & AFTER
>stories to tell?
>I used to work for a cable tv contractor.
>   While out working in one area, while it was
>particularly stormy, I witnessed a strike on a house, which came
>down the Direct TV antenna (placed in a tall pine tree).
>It came down the tree, through the roof, and EXPLODED an ENTIRE ROOM
>full of furniture...not a pretty sight. You could clearly see into the
>living room
>from the street, due to the circumstances, it was necessary to REMOVE
>the front door of the house!
>(TOTAL Blackness viewable from the street)
>
>...just wondering, being the HIGHT of LIGHTNING season
>here in the Lightning capitol of North America.
>
>P.S.; If WE'RE the lightning Capitol, WHY do I
>never see Lightning rods on the roofs anywhere, as I do
>while driving through Virginia??!!
>

>---
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>To unsubscribe send a blank email to leave-aprssig-842K@lists.tapr.org
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```
----------------------------------------------------------------------------
Glenn Little                         glittle@awod.com   QCWA  LM 28417
Amateur Callsign:  WB4UIV            wb4uiv@amsat.org   AMSAT LM 2178
QTH:  Goose Creek, SC USA (EM92xx)                      ARRL  TAPR
----------------------------------------------------------------------------
```

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810. [aprssig] Re: Lightning, Surges, & Joules

From: tvsjr <tvsjr@sprynet.com>
Date: Sun, 28 Jul 2002 21:37:34 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-91537-2002.07.28-22.15.27--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

The only thing that buying one of these gets you is an insurance policy. I have had good luck (saved equipment) with the Tripplite ISO-BAR series. Plus, you get either $5,000 or $25,000 worth of insurance, though I have no experience as to how well they pay.

These days, I have all of my equipment (both my personal gear and the equipment of companies for whom I consult) connected to APC Smart-UPS UPSs and Symmetra Array-style UPSs. The Smart-UPSes have a true sinewave output, as do the Symmetras, instead of the stepped approximation of the APC Back-UPSes and other cheaper devices. I've also invested in the APC surge protectors for phone lines, etc., which makes for less questions when you want to use the insurance. When I have had equipment destroyed by surges/lightning, the insurance has paid off like a slot machine. APC has a package of about 10 pages that you fill out, including a quick block diagram of the system. It takes about 30 minutes. They have paid out in the past several thousand dollars on claims I have made.

The downside to the Smart-UPS devices - they start around $500 and go up from there. I've found they're worth it.

My $.02
Terry

At 09:11 PM 07/28/2002 -0500, darnellb10@comcast.net wrote:

> >
> > I just bought a multi-outlet extension, with
> > supposed surge protection....one of the HIGHEST
> > Joule count....(coinsidential)..
>
>
>No, what you bought is a very expensive extension cord. These devices are
>next to worthless after a few months. Better you should look to a hardwired
>TVSS (surge suppressor) that is connected at your home service panel. These
>are well worth the investment and can divert the larger surge currents
>associated with a lightning discharge.
>
>Brad - WA9BD
>Manager - Power Quality Services
>Edwards Electrical & Mechanical, Inc.
>Indianapolis, IN
>
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811. [aprssig] Re: Lightning, Surges, & Joules

From: Mark Fellhauer <sparkfel@qwest.net>
Date: Sun, 28 Jul 2002 21:46:05 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-91538-2002.07.28-22.25.12--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

At 09:11 PM 7/28/02, darnellb10@comcast.net wrote:

>No, what you bought is a very expensive extension cord. These devices are
>next to worthless after a few months. Better you should look to a hardwired
>TVSS (surge suppressor) that is connected at your home service panel. These
>are well worth the investment and can divert the larger surge currents
>associated with a lightning discharge.

Ahhh, spoken like a true salesman with a vested interest in selling a specific product...

Even the $6.99 surge supressors are TVSS. What do you think an MOV does? Furthermore, Service Panel Surge Protectors are great, but do nothing to protect appliances if the surge comes from an internal source or a lightning strike to something like a vent stack or AC unit.

And not much is gonna help you anyway if you take a direct strike. If you buy a good quality power strip, usually the manufacturer will replace the strip and any appliances if they are damaged by a surge while plugged into that strip. I've had 2nd-hand 5 year-old strip-style surge protectors do their duty and sacrifice themselves to nearby lighning strikes. They work...and work well.

I'm a computer technician and I deal with lightning strike a lot, but this year has been very quiet. We've had one rainstorm in Sioux Falls in the last 60 days... But generally, from what I see, lightning induced surges produce totally random results. You can have two similar appliances on the same circuit or outlet and after a strike one will be visibly "smoked" and the other will work just fine.

73,

Mark
KC7BXS

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812. [aprssig] OLD GPS Wanted

From: "Herb Gerhardt" <hgerhardt@charter.net>
Date: Sun, 28 Jul 2002 23:01:19 -0700
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: "Aprssig" <aprs@mailman.qth.net>, "nwaprssig" <nwaprssig@nwaprs.org>,
<aprssig@lists.tapr.org>
Message-ID: <LYR842-91560-2002.07.29-01.40.16--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Our ARES/RACES group in Mason County Washington is working on equipping our DEM (Department of Emergency Management) vehicles with APRS Trackers and is looking for some used GPS units that we could purchase at a low price (GPS donations gladly accepted). We have an immediate need to for three GPS units.

What we are looking for is Garmin units with 12 satellites in parallel technology with a connection for an external antenna so that we can connect the Trimble GPS antenna to the units. I would like to obtain one unit with background mapping like the Garmin III+ GPS for our ComVan which is the first vehicle to head out for establishing a Search Base in remote areas and mapping would be helpful in manipulating our many logging roads. The other units could be any that will output NMEA data strings for APRS trackers.

We are a low budget organization that is working on the integration of APRS into our local SAR (Search and Rescue) activities. Most of our funding comes from donation from our members however GPS units are in short supply in our organization and no one has any available to donate to our

organization. We also could use some Kantronics KPC3(+) or Tiny Track TNC's
for building our trackers.

If you have some old units that are gathering dust because you have upgraded
to newer units that you would be willing to donate or sell to our group,
would you please let me know and also let me know much you would like to get
for them. I will guarantee you that all units will be put to good use in
our SAR activities.

Thanks for your consideration,

Herb Gerhardt, KB7UVC
Mason County, WA APRS Coordinator
NW APRS Group, West Sound Coordinator
90 NE Rainbow Pl N
Belfair, WA 98528

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Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

---

813. [aprssig] GPS

From: William & Sonnie Schafer <schaferbs@mail.riverview.net>
Date: Mon, 29 Jul 2002 08:14:15 -0400
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-91598-2002.07.29-07.57.52--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Found the following for an interesting use of GPS

http://www.cnn.com/2002/US/07/28/mine.turning.point/index.html
73 de KC8DRE Bill Schafer

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814. [aprssig] Re: GPS

From: "Clayon H. Owen" <aa3jy@winlink.org>
Date: Mon, 29 Jul 2002 7:43:0
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-91599-2002.07.29-08.21.57--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Interesting..not only someone can be found in the air or on the ground..but
under it as well.. Glad to see all 9 where found alive!

Clay AA3JY
Kimberton,Pa.

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---

815. [aprssig] CWOP on APRS Info. page update

From: "Dick Stanich" <dick@kb7zva.com>
Date: Mon, 29 Jul 2002 8:43:37
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-91606-2002.07.29-09.22.34--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Citizens Weather has over 500+ members, and growing. For information, check
out this URL: http://dhelms.mystarband.net/cwop.html

Site offers many links and information about the CWOP project. If you have
a WX station on APRS, you might consider joining.

Dick, KB7ZVA
APRSWest.net

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816. [aprssig] Re: GPS

From: Richard Parry <rparry@actionware.sdcoxmail.com>
Date: Mon, 29 Jul 2002 08:37:52 -0700
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-91612-2002.07.29-11.16.54--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

The article states, "GPS is accurate within less than a centimeter,"
however, even with SA off, isn't the best that GPS can do 10 meters (30
feet). How do they get centimeter accuracy with GPS. I don't think even
DGPS gives centimeter resolution.

At 08:14 AM 7/29/2002 -0400, William & Sonnie Schafer wrote:
>Found the following for an interesting use of GPS
>
>http://www.cnn.com/2002/US/07/28/mine.turning.point/index.html
>73 de KC8DRE Bill Schafer
>
>
>
>---
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817. [aprssig] Re: GPS

From: "Sadowski, Allan" <allan.sadowski@ncshp.org>
Date: Mon, 29 Jul 2002 11:46:44 -0400
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-91614-2002.07.29-11.25.46--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

I think Gerry can give a super response here... but suffice to say, there
are processing techniques that are less than real time that allow these
kinds of accuracies... that involve the phase of the signal as part of the
technique.

These are techniques that allow surveyors to use GPS accurately enough for
land survey requirements... and also allow geophysical studies to proceed
(continental drift and volcano studies)...

DGPS doesn't give those kinds of accuracies... but don't forget... these
other approaches don't use a $99 GPS... it involves lots more equipment and
processing... and takes minutes rather than seconds... to determine
position...

ALOHA
AH6LS

> -----Original Message-----
> From: Richard Parry [SMTP:rparry@actionware.sdcoxmail.com]
> Subject: [aprssig] Re: GPS
>
> The article states, "GPS is accurate within less than a centimeter,"
> however, even with SA off, isn't the best that GPS can do 10 meters (30
> feet). How do they get centimeter accuracy with GPS. I don't think even
> DGPS gives centimeter resolution.
>
>

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818. [aprssig] Very Accurate GPS positioning techniques

From: "Sadowski, Allan" <allan.sadowski@ncshp.org>
Date: Mon, 29 Jul 2002 12:37:02 -0400
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-91619-2002.07.29-12.16.08--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Frome the Man who knows this stuff.... Gerry

CAUTION: Technical content follows!

The typical GPS we (APRS practitioners) use involves use of code-phase GPS receivers to determine position. This involves trilateration (measuring the DISTANCE between 4 known stations and the unknown) to determine the near-realtime position of the GPS antenna. This code-phase determination is subject to a number of error biases within the system, which should theoretically limit the error of the typical GPS community to 29 meters. That
said, the typical GPS receiver is seeing accuracies of 5-6 meters most of the
time, if said receiver is between about 80degrees N & S. Some areas (Alaska comes to mind) are more prone to increases in systemmatic error, due to ionospheric scintillation, while others are more prone to tropospheric anomolies in areas of increased water vapor. Use around thunderstorms is "interesting" due to scintillation, as well.

Code-phase determinations are swift, and can be enhanced in accuracy by means
of "differential correction," where a receiver on a known (surveyed) sitecalculates the errors of a received signal and sends these corrections to
the roving receiver, which incorporates them, and then determines a "differentially corrected" version of the autonomous result. An improvement on the order of an order of magnitude can be realized (6m -> ~.6m) can be realized with a good differential site and timely updates.

For reference, the Military system of GPS incorporating the Precise Positioning Service, now an encrypted operation for security, theoretically is
limited to about a 14m accuracy ellipse, and has been demonstrated to achieve
submeter accuracies. With differential correction (this, too, is a code-phase
operation, but with better granularity due to differences in spread spectrum and clock differences), one can see 10-25cm accuracies.

In the case of surveying, and precise measurements of finer accuracy, one must
abandon the concept of code-phase measurements, save for initial autonomous determinations and clock and satellite acquisition, and use more comprehensive
differencing approaches that involve using a pair, or more, of receivers, with
one or more receivers precisely sited on previously surveyed (OK, there're ways around this if you're able to spend the time post-processing) monuments accurate in horizontal and/or vertical position. (Aside: Not all monuments are accurate in horizontal or vertical position at the same time.)

Using phase shift between two GPS receivers, on 2 frequencies (L1 and L2 is what we call 'em), one can accurately determine the slant-line distance betewen two site, usually, the unknown or site of interest, and a "control" station on a surveyed site. Collecting sufficient data to make a statistical
inference, one then processes the observables data between the site of interest and the various control stations, processes the results into a network of known stations and an unknown (usually a strong geometric network),
and using the method of least squares, resolves the minimum error of the site
of interest, and assigns an accuracy based on the least squares ellipse and descriptive statistics.

For a number of years, GPS techniques have elicited cm-level accuracies, usually with multiple occupations of 24 hours duration each. Vertical accuracies of 2-3 cm have similarly been achieved. Recent work has produced similar results with shorter observation durations, and interesting results with durations of observation in the 12-16 hour time range that are LESS accurate.

Real-time positioning procedures using carrier-phase approaches (real-time kinematic, or RTK) yielded typically 5-cm accuracies with selective

availability (SA) in place; today, they yield 2-cm or better accuracies.
Further, a number of commercial and free services making available RTK base stations have recently sprung up allowing Internet (and subsequent rebroadcast of same) use of RTK without setting a base station up.

Additional work in using multiple RTK base stations has initially yielded better results than reference to a single station, but are not completely verified yet.

Thus: Is it possible to get cm accuracies? Aboslutely. But you're not going to get it save by accident using Code-Phase receivers. And it's computationally intensive, and procedure driven. It ain't trivial but it's certainly achievable!

73, gerry n5jxs

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819. [aprssig] Re: APRS False Adventure

From: Bob Bruninga <bruninga@usna.edu>
Date: Mon, 29 Jul 2002 14:15:19 -0400 (EDT)
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: TAPR APRS Special Interest Group <aprssig@lists.tapr.org>
Message-ID: <LYR842-91624-2002.07.29-13.54.33--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

On Sat, 27 Jul 2002, Herb Gerhardt wrote:

> 2. If you see someone's tracker out there doing some strange
> things, don't just send a message to that tracker, but also send one to
> the same call sign on an HT tracker that is/was located in that same
> general vicinity.

All APRS systems are supposed to capture ANY message sent to ANY of your SSID's. But only the exact match will be the one that will ACK it. THus, your D7 should have also gotten the message (In a perfect world).

But if the D700 (with 50W) ACKED the message on the first receipt, then of course there were no retries to improve the probabilities that your HT also got it... But you make a GOOD point. Here is then a good thing we can think about...

If you MUST get a messge to someone.. Send it to one of his UNUSED SSID's. Then it will transmit many many times (with no acks) until it times out and the probabilities that ALL of his SSID's would hav ecaptured it are much improved..

Just remember to eventually kill the outoing message...

Thanks for the lesson learned!

Bob, WB4APR

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820. [aprssig] RE: FS: APRS/Computer related products

From: Mark Fellhauer <sparkfel@qwest.net>
Date: Mon, 29 Jul 2002 13:17:40 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-91629-2002.07.29-13.57.39--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

AEA DM-1 Deviation Meter - SOLD

RS 2-meter RF AMP - SOLD

HP JetDirect Print Server - SOLD

Recoton Video Sender - SOLD

All sales are pending. All Buyers need to get me payment by Saturday,
August 3, 2002.   Anything not paid for by that date will be sold to the
2nd person who offered full listed price...

The Cisco 678, the Axis 540+, and the Optolinx are still not sold.

73,

Mark
KC7BXS

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---

821. [aprssig] APRS Internet Feed

From: "Bobby Graves \(KB5HAV\)" <kb5hav@hwn.org>
Date: Mon, 29 Jul 2002 13:48:18 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-91635-2002.07.29-14.27.37--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Is anyone else having a problem getting data into and out any of the APRS
Servers? For the past 40 minutes or so, I haven't been able to connect
and/or recieve data from any of the Level 1 or Level 2 servers. Has anyone
else noticed this?

I am running WinAPRS v.2.6.1. I have been running an IGATE for over 3 years
without a problem.

Just wandering if it is me.
Best Regards,
Bobby
KB5HAV
==============================
Bobby Graves
MMSN Net Schedule Coordinator
Hurricane Watch Net Member
1676 Ravenwood Lane
(601) 932-5301
Pearl, MS 39208
email: kb5hav@hwn.org
Webmaster of the Following
website: http://hwn.org
website: http://mmsn.org
Yahoo Messenger: kb5hav
AIM: kb5havbg
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822. [aprssig] Re: APRS Internet Feed

From: Robbie Robertson <mwrobertson@attbi.com>
Date: Mon, 29 Jul 2002 13:55:49 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: TAPR APRS Special Interest Group <aprssig@lists.tapr.org>
Message-ID: <LYR842-91637-2002.07.29-14.34.50--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

I feel I need to respond to this, asking the same thing.. :-) I
just added a second monitor and in doing so, I thought I had
blown something up here.. So I went to another computer, same
story, no APRS IS, as well, no MapBlast maps with Findu.com ????

Robbie, wa9inf

"Bobby Graves (KB5HAV)" wrote:

>
> Is anyone else having a problem getting data into and out any of the APRS
> Servers? For the past 40 minutes or so, I haven't been able to connect
> and/or recieve data from any of the Level 1 or Level 2 servers. Has anyone
> else noticed this?
>
> I am running WinAPRS v.2.6.1. I have been running an IGATE for over 3 years
> without a problem.
>
> Just wandering if it is me.
> Best Regards,
> Bobby
> KB5HAV
> ==============================
> Bobby Graves
> MMSN Net Schedule Coordinator
> Hurricane Watch Net Member
> 1676 Ravenwood Lane
> (601) 932-5301
> Pearl, MS 39208
> email: kb5hav@hwn.org
> Webmaster of the Following
> website: http://hwn.org
> website: http://mmsn.org
> Yahoo Messenger: kb5hav
> AIM: kb5havbg
> ==============================
>
> ---
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> To unsubscribe send a blank email to leave-aprssig-842K@lists.tapr.org
> Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

--

- Robbie Robertson -
...-.- wa9inf ...-.-

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823. [aprssig] Re: APRS Internet Feed

From: "Dave Thege" <dthege@ncfcomm.com>
Date: Mon, 29 Jul 2002 14:55:20 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-91638-2002.07.29-15.31.10--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

I just checked my position on Findu.com. It appears the packets are being
recorded but the maps aren't being displayed. I then went to Mapblast.com
and found out that hey are temporarily down due "peering issues with their
provider". This is probably why no maps are showing up on Findu.com. Also
can someone explain what peering is?? (in simple terms)
Dave N0XBN
----- Original Message -----
From: "Bobby Graves (KB5HAV)" <kb5hav@hwn.org>
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Sent: Monday, July 29, 2002 1:48 PM
Subject: [aprssig] APRS Internet Feed

> Is anyone else having a problem getting data into and out any of the APRS
> Servers? For the past 40 minutes or so, I haven't been able to connect
> and/or recieve data from any of the Level 1 or Level 2 servers. Has
anyone
> else noticed this?
>
> I am running WinAPRS v.2.6.1. I have been running an IGATE for over 3
years
> without a problem.
>
> Just wandering if it is me.
> Best Regards,
> Bobby
> KB5HAV
> ==============================
> Bobby Graves

```
> MMSN Net Schedule Coordinator
> Hurricane Watch Net Member
> 1676 Ravenwood Lane
> (601) 932-5301
> Pearl, MS 39208
> email: kb5hav@hwn.org
> Webmaster of the Following
> website: http://hwn.org
> website: http://mmsn.org
> Yahoo Messenger: kb5hav
> AIM: kb5havbg
> ==============================
>
>
>
> ---
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>
>


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```

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824. [aprssig] This has possibilities?

From: "Jerrold Billmyer" <jerrold@carr.org>
Date: Mon, 29 Jul 2002 15:9:37
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-91640-2002.07.29-15.48.36--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

```
I get a newsletter called the Langa List  www.langa.com .  Fred Langa is a pretty good source for
computer relate information.  The current newsletter had the following:
An Odd British Use Of GPS

I've mentioned GPS--- global positioning systems--- several times of
late, which prompted reader Gred Landerkin to send in this note about a
decidedly eccentric British application of the technology:

     Fred, A month or two ago you had a few articles related to GPS
     and it's uses. Here is a link to an article (
     http://www.wired.com/news/culture/0,1284,52989,00.html ) about
     something called GPS drawing. Basically, these two guys drive
     their car around the streets of different English cities and
     translate the GPS data into pictures (see
     http://www.gpsdrawing.com/Gallery/belephant.htm for an elephant
     in Brighton). I doubt the designers of the GPS system could
     have predicted something like this... cheers, Greg Landerkin

Thanks, Greg!

Fred has done an article on GPS, used Route 66 software and a GPS through europe.  But this is great!
Maybe someone can make "rabbits"  who said that!   73, Jerry

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```

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825. [aprssig] Need web mapping?

From: James Jefferson <jjeffers@aprsworld.net>
Date: Mon, 29 Jul 2002 16:02:49 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-91646-2002.07.29-16.36.35--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

```
It appears that Mapblast is down today. Try:

http://db.aprsworld.net/datamart/search.php

The "Mapserver Map" link below each station will work because that is running
on my machine. Note that only streets, water, and political boundaries are
loaded.

-Jim KB0THN
```

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826. [aprssig] Re: APRS Internet Feed

From: Phil Reed <preed@dnaco.net>
Date: Mon, 29 Jul 2002 17:06:49 -0400
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-91658-2002.07.29-16.46.06--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

At 02:55 PM 7/29/2002 -0500, Dave Thege wrote:
>Also
>can someone explain what peering is?? (in simple terms)

"Peering" in Internet speak is shorthand for saying:

"I'll take your packets if you will take my packets."

It's how data gets between the big Internet backbone providers. If my Internet connection is via Sprint, and your's is via Level3, your packets make it to my machine and vice versa by means of a peering arrangement (a contract as well as a router-to-router connection) between the two companies. If a smaller company wants to peer with a larger company, the smaller company usually has to pay the larger one. In the case under discussion, it sounds like there's a contract problem between Mapblast and their service provider.

...phil / w8sca

"For a list of all the ways technology has failed
to improve the quality of life, press 3."

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827. [aprssig] Re: OT: Sprint and GPS

From: Bob Bruninga <bruninga@usna.edu>
Date: Mon, 29 Jul 2002 17:36:47 -0400 (EDT)
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: TAPR APRS Special Interest Group <aprssig@lists.tapr.org>
Message-ID: <LYR842-91660-2002.07.29-17.15.59--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

On Sun, 28 Jul 2002, Doug McFadden wrote:

> And doesn't DosAPRS do switches someway? game port or printer port??? If
> so, we could monitor the basement filling up with water or the back door
> ajar, endless possibillities. Maybe some of the other progs do too?

Yes, APRS dos supports a READ and and OUT command syntax that can be sent in a message that will READ the 8 bits on the parallel port and/or set them individually for such control purposes...

See TELEMTRY.TXT in the APRSdos docs..

de WB4APR, Bob

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828. [aprssig] Re: APRS Internet Feed

From: Mark Fellhauer <sparkfel@qwest.net>
Date: Mon, 29 Jul 2002 16:36:51 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-91661-2002.07.29-17.16.23--lyris.aprssig#tapr.org@lists.tapr.org>

Rendered body type: text/plain

```
At 02:55 PM 7/29/02, Dave Thege wrote:

>I just checked my position on Findu.com. It appears the packets are being
>recorded but the maps aren't being displayed. I then went to Mapblast.com
>and found out that hey are temporarily down due "peering issues with their
>provider".

That means their phone line broke...or that someone forgot to pay the bill
for the T1 line...or their backbone provider declared bankruptcy and/or is
in jail...


>This is probably why no maps are showing up on Findu.com. Also
>can someone explain what peering is?? (in simple terms)

Peering is just a 5 dollar word for sharing.

73,

Mark
KC7BXS



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```

829. [aprssig] Re: APRS Internet Feed

From: "Dick Stanich" <dick@kb7zva.com>
Date: Mon, 29 Jul 2002 17:3:28
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-91662-2002.07.29-17.42.28--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

```
On 07/29/02, "Mark Fellhauer <sparkfel@qwest.net>" wrote:
> At 02:55 PM 7/29/02, Dave Thege wrote:
>
> >I just checked my position on Findu.com. It appears the packets are being
> >recorded but the maps aren't being displayed. I then went to Mapblast.com
> >and found out that hey are temporarily down due "peering issues with their
> >provider".
>

Servers are working. MapBlast is working, at least on my regional server...
way down in Yuma <g>.

http://ahubwest.com:14551/find/kb7zva-1

That's the URL generated in WinAPRS251 web server.

Dick, KB7ZVA
http://kb7zva.com

---
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```

830. [aprssig] GEORGIA APRS Drill Announcement

From: John Kraus <jfkraus3@cox.net>
Date: Mon, 29 Jul 2002 18:29:00 -0400
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-91663-2002.07.29-18.06.52--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

```
Announcement

The Georgia Amateur Radio Emergency Service will conduct an APRS Drill from
1900 to 2100 on July 30 2002.

For information on this drill and the scenario that we will be using please
see this website.

http://members.cox.net/kc4zgq/aprs.html
```

This drill will use pre-defined scripts in an attempt to test our infrastructure and to assess the level of training and APRS awareness of ARES members. This drill is not designed to test deployment or emergency preparedness. The stations participating have been briefed and given copies of their scripts. We do not anticipate taking check-ins as the purpose is to pass predefined data for later evaluation. To avoid overloading of the network we ask static stations within RF range of Georgia that plan to monitor this drill to set their beacon rate to at least one hour intervals for this time period.

For stations that would like to monitor the drill but who lack the APRS capability Mark Foley NA4V has created a webpage that will allow you to see a map and watch the messages in a text box. It can be found here :

http://www.na4v.com

Look under 30 Jul APRS Drill JAVA on the navigation bar.

If you would like to participate in future drills please make this known to your county Emergency Coordinator or to the State coordinator.

Constructive after action criticism is welcome; flames will be extinguished and ignored.

Please forward comments to John Kraus KC4ZGQ at

kc4zgq@hotmail.com

Put "APRS" as the subject or your message will be filtered into the trash.

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831. [aprssig] Re: OT: Sprint and GPS

From: Steve Dimse <k4hg@tapr.org>
Date: Mon, 29 Jul 2002 20:14:34 -0400
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: TAPR APRS Special Interest Group <aprssig@lists.tapr.org>
Message-ID: <LYR842-91677-2002.07.29-19.53.34--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

> Your ideas here, the recent flying truck at Wonder Lake Wa. and my own
> experiments have me thinking. Most everyone carries a cell phone and most
> the newer ones have "text" messaging, So let the user define his
> requirements like start, stop time, day of week, radius or activity, call
> sign, url of the phone and msg text to be used etc... etc. and if a
> transaction comes accross the IS that fit the user's criteria, send a msg
> to his phone.
>

AFAIK, the first person that implemented something like this was Rich Parry, W9IF, with perlAPRS:

http://w9if.net/iweb/perlaprs/perlaprs-dcc97.pdf

As the url implies, this dates back 5 years. He created a system based on callsigns within boundaries that would trigger shell scripts.

This is also very much like the weather stuff I am working on now, and tested for the first time on my recent trip to NC and VA. findU looks at each NWS weather alert and sends an email to my cell phone when a warning is within 100 miles of my position. Also, using the Earthink AVL with its two-way Reflex telemetry link, I was sending a small section of the NWS radar image surrounding my vehicle to the onboard laptop.

The weather warnings worked great, but the radar images suffered from bandwidth problems. I deliberately made each packet of 120 bytes to stand alone, so that reception of all the packets were not required to get an image, but much of the time I was looking at a very incomplete image.

Next I plan to work on a more compact form that specifically traces the expected route of the vehicle, and is short enough for use on the air.

Someday I hope to get the infrastructure done to allow this to be easily used by others, but this infrastructure is complex. I've had a couple people volunteer to do this, but once they get an idea of the scope of the task I never hear from them again...

I do think that this sort personalized information is the future of APRS and AVL in general.

>What would we call it? WarnU? Watchit? Oh, to have DSL! or at least a
>full time connection.

Don't let that stop you. It is quite possible to develop this with an intermittant dial-up connection. If you get a working system, I can host it on findU or you can ask for someone to co-lcate for you, I have had dozens of offers for findU which I cannot use, I'm sure someone would be glad to host a computer somewhere for you.

Steve K4HG

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832. [aprssig] GPS Gizmos 1 -- Golf Course Navigation

From: WA8LMF2@aol.com
Date: Mon, 29 Jul 2002 20:29:32 EDT
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-91678-2002.07.29-20.08.38--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

[From the Monday 29 July Los Angeles Times at:

http://www.latimes.com/business/la-fi-techgear29jul29.story?coll=la%2Dheadline

s%2Dbusiness

Whole story reproduced here -- viewing original online requires free nuiscense registration at latimes.com.. Original does have a picture of an Ipaq with a GPS module plugged into the compact flash slot on top.

Coming on the heels of the thread on enhanced accuracy GPS, I wonder how they are getting the resolution down to the claimed yard level in this application

Price May Keep the StarCaddy Off the Green
By MICHAEL P. REGAN
ASSOCIATED PRESS

July 29 2002

At first glance, the StarCaddy appeared to be the most promising golf gadget since Rodney Dangerfield's bag spit clubs into the air, played tunes and served draft beer in "Caddyshack."

A gadget that relies on global satellite positioning and golf course maps loaded into an attached hand-held computer, the StarCaddy allows you to measure precise distances to a green's center from anywhere on a hole.

In my testing, I could see where it might help knock a few strokes off someone's game. But the $249 StarCaddy probably won't knock those $400 Callaway drivers, or a snazzy pair of knickers, off the top of my golf wish list.

Then again, I'm too cheap to pay for a real caddie, let alone a satellite caddie. I suppose if I were a duffer with deep pockets--and just a modicum of tech savvy--I'd order mine today.

The StarCaddy has a global positioning receiver that plugs into most PDAs, but if you have a compatible GPS receiver you can buy the software alone for $49.

Detailed course maps are currently available for about 3,000 of the roughly 17,000 golf courses in the United States, with downloads costing a pricey $20 per map.

Purists note: The United States Golf Assn. bans GPS systems at sanctioned tournaments such as the U.S. Open and U.S. Amateur championship. It does allow rounds played with them to be included when calculating a handicap.

In my first round with a StarCaddy, I failed to get it to work right. The receiver did its satellite positioning thing but the software wouldn't paint the X to denote my location on the course map.

The X moves as you navigate the course. The distance to the center of the green is given to the nearest yard.

My StarCaddy debut at the Cranbury Golf Course in New Jersey was thus a washout.

To make matters worse, I was befuddled because it appeared I had the wrong map. So I gave up and left the PocketPC in the cart. A few holes later, I discovered the problem. The front and back nine were flipped, so holes 1 to 9 were numbered 10 to 18 and vice versa.

Still, the StarCaddy offers some cool features--even without the GPS. The ruler tool lets you draw lines on the map and get exact lengths. This is a big help when planning strategy on long holes. You can find out exactly how far a distant water hazard is, or gauge the best approach to a dogleg.

Since it was useful without the GPS, I allowed StarCaddy one mulligan and decided to try it again a few nights later--after talking to tech support and rebooting so the magical X actually appeared.

When I appeared at the course at 9 p.m., the kid closing up the cart shack was ready to give me the boot--until I showed him the StarCaddy. "That's phat!" he exclaimed, before allowing me to wander the course in the dark.

This turned out to be a fun way to test it out.

Getting a GPS connection is easier once you are familiar with the menus and troubleshooting tips in the user's guide.

In pitch-black darkness, I used the GPS to find the first pin with no problem, then navigated through a few other holes and back to the parking lot.

After my successful navigation, I reconsidered the StarCaddy: Is it worth the money? For me, one issue may tip the scales.

The folks at LinksPoint, which makes StarCaddy, say they hope to eventually set up wireless networks at finer clubs and resort courses. This means you could use the StarCaddy to order drinks or schedule a post-golf massage while still on the course.

The future surely looks bright.

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833. [aprssig] GPS Gizmos 2 -- Microsoft "APRS" ???

From: WA8LMF2@aol.com
Date: Mon, 29 Jul 2002 20:29:40 EDT
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-91679-2002.07.29-20.08.59--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

CARRIERS PREPARE TO LAUNCH LOCATION TECHNOLOGIES

AT&T's "Find Friends" cellular service is just the beginning, with other wireless carriers looking ahead to new offerings based on location determination capabilities. Verizon Wireless is teaming with Microsoft to enable cellular access to MSN Messenger service and other Microsoft offerings. (CNET News.com)

http://news.com.com/2100-1033-946224.html

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834. [aprssig] Re: Any M10 or GM-300 Users

From: "Earl S. Garber" <n3eg@teleport.com>
Date: Mon, 29 Jul 2002 20:41:28
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-91681-2002.07.29-21.20.27--lyris.aprssig#tapr.org@lists.tapr.org>

Rendered body type: text/plain

Yes, they will work. When programming, hold down the "shift" key while typing the frequency (except the decimal point) and it will look like this: !$$.#())) Then when you hit enter it will show 144.39000 as your frequency. The only problem is that you are now outside the power set calibration limits, and you may have 70 watts out! Pinouts for the 16 pin connector are at http://home.teleport.com/~n3eg/maxtrac.htm for the Motorola dash mounts. Good luck!

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835. [aprssig] Lightning, Surges, & Joules

From: "Komljanec" <ve3pep@rac.ca>
Date: Mon, 29 Jul 2002 22:02:25 -0400
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: <wa4tkg@attbi.com>
Message-ID: <LYR842-91683-2002.07.29-21.40.54--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Nothing would have helped that TREE installation. In fact, perhaps the insurance company may have had opportunity to deny the claim since the dish wasn't affixed to the house. And no doubt, in the tree they didn't run any ground conductor from the dish down... no adherence to NEC here... even then, with the tree potential at a million volts, that nice copper RG6 provides a nice pressure relief. Between the house wiring and the tree is the poor satellite receiver and TV. The results were obvious. There are some power bars that offer a F connector so that the RG6 can also be included. This is mandatory with the home entertainment system: To put all equipment on the same potential and let it float together. But I have taken apart some of these power bars and found normal PC board traces between the F connectors.. that is, not a proper 75 ohm transmission line. Seemed OK for below 500 MHz, but not at the dish downlead frequency!

One electrical contractor I know had a loose neutral on the home generator he installed for a customer. When the machine was started, unbalanced loads caused an over voltage condition in half the house. They quickly realized this and shut the generator down. Some things had to be replaced (light bulbs, electronics, etc), but there would have been much more damage if most electronics weren't plugged into cheap power bars. Their ONE little MOV caused melt downs to the power bar plastic casing, but protected the equipment!

> I used to work for a cable tv contractor.
> While out working in one area, while it was
> particularly stormy, I witnessed a strike on a house, which came
> down the Direct TV antenna (placed in a tall pine tree).
> It came down the tree, through the roof, and EXPLODED an ENTIRE ROOM
> full of furniture...not a pretty sight.

---
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836. [aprssig] RE: lightning

From: "Bob D." <n2iph@comcast.net>
Date: Mon, 29 Jul 2002 22:10:37 -0400
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-91684-2002.07.29-21.53.13--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

>You can have two similar appliances on the same circuit
>or outlet and after a strike one will be visibly "smoked"
>and the other will work just fine.

And some will die days or weeks later. As a number of appliances did in my place 8 years ago when I took a close (across the street) hit. Some stuff fried right away, 1 phone, 1 stereo, 1 TV, and a computer. Other stuff like the electronic ignition in my hot water heater went a week later. Another computer keep giving me problems until it croaked after about 2 weeks. I lost remote control of my other TV, then the color went a couple days later. My alarm system went south too. One month after the strike, I had an insurance check for $7,000 to replace damaged appliances, and an additional $5000.00 for the damage to the

```
home from a couple large tree limbs that fell on the garage and wind
damage to the house.

Bob D.



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837. [aprssig] RE: lightning

From: David VanHorn <dvanhorn@cedar.net>
Date: Mon, 29 Jul 2002 21:48:56 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-91714-2002.07.29-22.30.03--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

```
At 10:10 PM 7/29/2002 -0400, Bob D. wrote:
> >You can have two similar appliances on the same circuit
> >or outlet and after a strike one will be visibly "smoked"
> >and the other will work just fine.
>
>And some will die days or weeks later.


This is common also with ESD failures.
You puncture the gate insulation (a few tens of nanometers of glass) and
later metal dendrites grow across it and short out the gate.  The atoms are
attracted by the potential difference, and strong field where the glass is
ruptured.




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```

838. [aprssig] RE: lightning

From: "fred houghton" <ve7ffk@mail.ocis.net>
Date: Mon, 29 Jul 2002 20:13:33 -0700
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-91715-2002.07.29-22.49.43--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

```
Hi Guys:
There is a lot of good info at www.PolyPhaser.com
Very good books on Lightning Protection as well.
Cheers - Fred - VE7FFK


----- Original Message -----
From: "David VanHorn" <dvanhorn@cedar.net>
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Sent: Monday, July 29, 2002 7:48 PM
Subject: [aprssig] RE: lightning


> At 10:10 PM 7/29/2002 -0400, Bob D. wrote:
> > >You can have two similar appliances on the same circuit
> > >or outlet and after a strike one will be visibly "smoked"
> > >and the other will work just fine.
> >
> > >And some will die days or weeks later.
>
>
> This is common also with ESD failures.
> You puncture the gate insulation (a few tens of nanometers of glass) and
> later metal dendrites grow across it and short out the gate.  The atoms
are
> attracted by the potential difference, and strong field where the glass is
> ruptured.
>
>
>
>
```

```
> ---
> You are currently subscribed to aprssig as: ve7ffk@mail.ocis.net
> To unsubscribe send a blank email to leave-aprssig-842K@lists.tapr.org
> Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org
>
>
>
```

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839. [aprssig] RE: APRS False Adventure

From: "Herb Gerhardt" <hgerhardt@charter.net>
Date: Mon, 29 Jul 2002 20:36:52 -0700
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: "nwaprssig" <nwaprssig@nwaprs.org>
Message-ID: <LYR842-91741-2002.07.29-23.15.56--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

```
Thanks Bob for your suggestion.  I learned something from your message.  I
was convinced that the TH-D7A only received messages addressed to that
particular tracker since I had never received a message on it that was
addressed to one of my other stations.  Now I understand why; because my
station that the message was addressed to would send the "ack" and stop the
process.  I just tried several messages  sent to a non existent SID with my
call sign and they all displayed just fine on my TH-D7A.  I only own the A
not the G.  My D700 always has managed to log all messages sent to any one
of my stations.  Of course it has a much better antenna than my D7A.

The other point is that if you see something amiss with a station, check
that stations status text before you respond.  My trackers generally will
give you the voice frequency of a repeater that I am monitoring at that time
and my D700 if left alone for a long time while I am in the backcountry will
give you my digital beeper's email address.  Yes, I can be reached by email
in most of the locations where I spend my fun time.  Sure love these high
tech toys.

Also Bob, next time you come through our area, please let us know in
advance.  Maybe we can establish an impromptu dinner with some of our group
and you at a restaurant convenient to you.  It was good seeing your call
sign on our local network last night.

Herb, KB7UVC
NW APRS Group, West Sound Coordinator
Our WEB Site:  www.nwaprs.org




> -----Original Message-----
> From: Bob Bruninga [mailto:bruninga@usna.edu]
> Sent: Monday, July 29, 2002 11:15 AM
> To: Herb Gerhardt
> Cc: TAPR APRS Special Interest Group
> Subject: Re: [aprssig] APRS False Adventure
>
>
> On Sat, 27 Jul 2002, Herb Gerhardt wrote:
>
> >     2. If you see someone's tracker out there doing some strange
> > things, don't just send a message to that tracker, but also send one to
> > the same call sign on an HT tracker that is/was located in that same
> > general vicinity.
>
> All APRS systems are supposed to capture ANY message sent to ANY of your
> SSID's.  But only the exact match will be the one that will ACK it.  THus,
> your D7 should have also gotten the message (In a perfect world).
>
> But if the D700 (with 50W) ACKED the message on the first receipt, then of
> course there were no retries to improve the probabilities that your HT
> also got it...  But you make a GOOD point.  Here is then a good thing we
> can think about...
>
> If you MUST get a messge to someone.. Send it to one of his UNUSED SSID's.
> Then it will transmit many many times (with no acks) until it times out
> and the  probabilities that ALL of his SSID's would hav ecaptured it are
> much improved..
>
> Just remember to eventually kill the outoing message...
>
> Thanks for the lesson learned!
>
> Bob, WB4APR
>
>
>
```

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840. [aprssig] findu.com backup server status

From: "Guy Story, KC5GOI" <kc5goi@kc5goi.net>
Date: Tue, 30 Jul 2002 00:24:16 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: kc5goi@tapr.org
Message-ID: <LYR842-91779-2002.07.30-01.03.35--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Here are the technical specs that I promised everyone. The final order is pending a response from Dell. I do not have the shipping price as of this date. This will over a thousand dollars left over. Until I know the shipping, I do not know that total. The extra funds will be help for tapes for the tape backups and any repairs/upgrades once the server gets out of warranty. I did not post the specs on the cd rom, nic, modem, keyboard and mouse. The raid and tape drive are redundant to a certain extent. The reasoning was if the primay data drive dies for what ever reason, we just tell the Linux box to go to the new data disk and we install a replacement, no data lost (except for the down time). If the entire system craters, we will have backups on tape that we can rebuild the entire system from. Why 3 hard drives and a hardware raid? As per Steve's specs, the first drive is the OS (RH Linux 7.3 with all patches will be installed on it) and a second for the database. The third disk will be copying the database disk. The drives are SCSI, not IDE. SCSI will improve the disk access times. For those not deep in the computer and server market, that improves how fast the processors get the data and render the page. You might not see it on a 72 hour history but you will on a multiple week, month or full year basis.

In a post several weeks back I indicated we would purchase the server with a small amount of memory and upgrade it with local memory. Since the original cart we looked at expired, Dell dropped it's prices on memory to the point at there was not advantage to going with aftermarket memory. When we get the final numbers from Dell (shipping that is) and their target delivery, I will let everyone know. I promise many pictures will be posted when the box arrives.

On the connectivity issue, I found out this moring that instead of only having a 1.5 megabit DSL, the co-lo site the server will be at has 2 OC3 connections. This buries a 1.5 megabit dsl line.

SPECS:

PowerEdge 1400SC with Pentium III Processor: PowerEdge 1400SC, Intel®
Pentium III 1.13GHz w/512K Cache   14113SC

Additional Processors: 2nd Processor,1.13GHz/512K,P3

Memory: 1GB SDRAM, (2X512MB)

1st Hard Drive (All drives must match for RAID):   36GB 10K RPM Ultra 160 SCSI
Hard Drive

2nd Hard Drive (All drives must match for RAID):   36GB 10K RPM Ultra 160 SCSI
Hard Drive   36GB10

3rd Hard Drive (All drives must match for RAID):   36GB 10K RPM Ultra 160 SCSI
Hard Drive   36GB10

Hard Drive Configuration: Add-In Raid Card, Raid 5   AR5   [340-1955]

Tape Backup Unit: PV100T, Travan-5, 10GB, Internal TBU, IDE

Hardware Support Service: 3Yr BRONZE Support, Next Business Day Onsite

Uninterrupted Power Supplies: APC SmartUPS 700, 700VA   APC700B

Sub-total: $5,025.00 (does not include shipping).

73

--
Guy Story, KC5GOI
Itel-Tigerbyte LLC
gstory@tigerbyte.com
940.891.4575

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841. [aprssig] WinAPRS on WinXP Pro...

From: "Zachary Grant Michael, KB9UQQ" <zachary.michael@earthlink.net>
Date: Tue, 30 Jul 2002 10:23:56 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-91880-2002.07.30-11.03.15--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

All,
Just upgraded my machine to WinXP Pro, and for some reason WinAPRS isn't
receiveing data from the TNC anymore. Is there anything special I need to do
to make the serial port work?
73 de kb9uqq
--
Zachary Grant Michael, KB9UQQ
http://www.qsl.net/kb9uqq/

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842. [aprssig] "cellphone tracking" in Japan

From: "Ramon F. Kolb" <ramon@ieee.org>
Date: Tue, 30 Jul 2002 11:43:49 -0400
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-91886-2002.07.30-11.24.02--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

What better this to have your cellphone as a tracker? I guess that several
US mobile operators are also reluctantly looking into this. I can already
see the privacy issues that need to be overcome for this to be an option
here or in Europe...

KDDI launches corporate LBS
30/07/2002
Japan's second largest mobile operator, KDDI, has launched the first 3G
mobile location based service.

Called GPS maps, the new service is aimed at the corporate sector and uses
the company's cdma2000 1x GPS Ketai system.

KDDI says its new 3G handsets are "GPS-enabled". The new corporate offering
allows company managers to keep track of all personnel or vehicles equipped
with the correct handsets. The system can also display recent location
movements for each user. According to KDDI the service is designed to assist
companies with transport management, sales and marketing activities and the
dispatch of maintenance personnel.

The Ketai system uses Global Positioning System satellites and wireless
routing stations to provide users with location information, which, KDDI
claims, is accurate to within a few metres.

--Ramon W1/PA3EUG, Boston, MA, USA [FN42KI]
Join BEACONet^31 at 28.131! See http://go.to/BEACONet and
http://beaconet.webhop.org . ICQ 77117744

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Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

843. [aprssig] First is having problems

From: Bill Diaz <william.diaz@attbi.com>
Date: Tue, 30 Jul 2002 11:49:41 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-91894-2002.07.30-12.28.48--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

It seems that First.aprs.net is having problems. You can connect, but it is not sending any data to most connected users.

http://first.aprs.net:14501 status page shows it has 274 inbound connections, but only the first few are getting any data. First is running javAPRSSrvr 1.b.406

The following users are shown by the status page to have 20+ connections each:
K4HG, port 23, javAPRSSrvr 1.b.409
findu, port 23, javAPRSSrvr 1.b.409,
findu3, port 23 javAPRSSrvr 1.b.409
Java (208.11.55.85), Port 10151, JavAPRS 2.3b02

Others with multiple connections include
NOCall, DK0TUX-3,JavaRoc and a few others.

Bill KC9XG

My vehicle location can be viewed at:
http://www.findu.com/cgi-bin/find.cgi?KC9XG-14

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844. [aprssig] RE: First is having problems

From: "AE5PL Lists" <HamLists@ametx.com>
Date: Tue, 30 Jul 2002 12:51:00 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-91897-2002.07.30-13.30.03--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

first experienced a problem yesterday morning that was seen by a number of javAPRSSrvr's. Fortunately, I trapped the problem on my server and immediately issued a fix that was sent out to all javAPRSSrvr users. Chuck must be out of pocket as he has not restarted first with the new build yet.

second and third are now operating fine. second did not experience the problem but has been upgraded to ensure its stability in the future.

73,

Pete Loveall AE5PL
http://www.ae5pl.net
mailto:pete@ae5pl.net

> -----Original Message-----
> From: Bill Diaz [mailto:william.diaz@attbi.com]
> Posted At: Tuesday, July 30, 2002 11:54 AM
> Posted To: APRS SIG
> Conversation: [aprssig] First is having problems
> Subject: [aprssig] First is having problems
>
> It seems that First.aprs.net is having problems. You can

```
> connect, but it
> is not sending any data to most connected users.

---
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```

845. [aprssig] Re: This has possibilities?

From: "Curt Mills, WE7U" <hacker@tc.fluke.com>
Date: Tue, 30 Jul 2002 11:57:28 -0700 (PDT)
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: TAPR APRS Special Interest Group <aprssig@lists.tapr.org>
Message-ID: <LYR842-91905-2002.07.30-14.36.40--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

```
On Mon, 29 Jul 2002, Jerrold Billmyer wrote:

>       Fred, A month or two ago you had a few articles related to GPS
>       and it's uses. Here is a link to an article (
>       http://www.wired.com/news/culture/0,1284,52989,00.html ) about
>       something called GPS drawing. Basically, these two guys drive
>       their car around the streets of different English cities and
>       translate the GPS data into pictures (see
>       http://www.gpsdrawing.com/Gallery/belephant.htm for an elephant
>       in Brighton). I doubt the designers of the GPS system could
>       have predicted something like this... cheers, Greg Landerkin
>
> Thanks, Greg!
>
> Fred has done an article on GPS, used Route 66 software and a GPS through europe.  But this is great!
  Maybe someone can make "rabbits"  who said that!   73, Jerry

Hmmmm.  Somebody else caught on!  It's been a joke between some of
my SAR buddies and myself that we might do an etch-a-sketch sort of
thing one of these times during an APRS demo, either by talking the
person through a bunch of turns, or by creating a drawing earlier
and using a Garmin route or trakback in simulator mode to emulate
the driving.

It might liven up the demo a bit.

Curt Mills, WE7U                         hacker.NO_*SPAM@tc.fluke.com
Senior Methods Engineer/SysAdmin
"Lotto:    A tax on people who are bad at math." -- unknown
"Windows:  Microsoft's tax on computer illiterates." -- WE7U


---
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```

846. [aprssig] IPRS, a marriage of IRLP and APRS?

From: Bob Bruninga <bruninga@usna.edu>
Date: Tue, 30 Jul 2002 19:39:47 -0400 (EDT)
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: TAPR APRS SIG <aprssig@lists.tapr.org>,
Dale Heatherington <dale@wa4dsy.net>, Steve Dimse K4HG <k4hg@tapr.org>,
<aprsnews@lists.tapr.org>, Dale Heatherington <dale@wa4dsy.net>,
David Cameron <DCameron@transtechinteractive.com>
Message-ID: <LYR842-91979-2002.07.30-19.19.04--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

```
IPRS:                 IRLP<==>APRS                  26 July 2002
-----------------------------------------------------------------
                                                           WB4APR

IPRS is an acronym to describe the potential of a marriage between
the global APRS digital network and the global Internet Radio
Linking Project.  Combining the first and last letters of IRLP
with the final three letters of APRS yields IPRS!

As APRS grew to global proportions in the late 90's through the
internet connectivity pioneered by Steve Dimse (K4HG), I began
looking for ways to add internet voice connectivity to APRS and
called it AVRS.  Over the same period, Dave Cameron's (VE7LTD)
Internet Radio Linking Project has risen to prominance world wide
by providing that same kind of global conectivity as APRS but with
```

voice.

Taking advantage of the voice connectivity of IRLP, recently we have defined many ideas and APRS formats to be able to use APRS as an adjunct data link to facilitate the end-to-end signalling between end users of IRLP using APRS. Further the mobile APRS data displays make an excellent function for displaying IRLP network data to the mobile user. One of the ultimate objectives of the APRS adjunct to IRLP is the ability of an APRS mobile user to establish an end-to-end voice connection to any other amateur on the planet with no other knowledge than his callsign.

We can already send him a real-time APRS message, why not Voice?

Thus, the IRLP system and the APRS-IS (Internet System) could work together to make the end-to end voice connection using the nearest available IRLP nodes. At the Radio Amateurs of Canada (RAC) National convention in Vernon, BC on 26 July, I discussed this concept with Dave Cameron and suggested we might define this marriage as "IPRS". This "IPRS" term will facilitate further discussions about this revolutionary potential! THe following is 3 phased approach could be used to arrive at that ultimate objective. The first is MANUAL, the second is ASSISTED and the third is called AUTO-QSY.

MANUAL - APRS user-to-user Call-back message. (Works now today!)

ASSISTED - Central IPRS server watches global IRLP and APRS-IS system and when seeing IPRS-CQ, sends APRS-QSY msg to BOTH users informing them both of the nearest not-in-use IRLP node numbers and freqs. Users manually QSY and the caller establishes the IRLP link.

AUTO-QSY - End user's radio, on receipt of the APRS-QSY message, will AUTOMATICALLY QSY, and central IPRS server will automatically establish the IRLP node links! (HAM CELLULAR)

The following paragraphs elaborate on the above phases and add additional details to this concept. Also, by using the CQ-I call indicator to indicate the request for an IRLP link, provision can also be made for CQ-L for ILink, and CQ-E for eQSO links as needed.

MANUAL - APRS user sends simple message to another APRS user indicating his call-back IRLP number. APRS recepient initiates IRLP call back. This works, NOW, TODAY! The format of the APRS message is simply:

```
From: WB4APR      To: VE7LTD      Msg: CQI #1234
```

The meaning is that WB4APR is asking VE7LTD to call him back on his current IRLP node #1234. The APRS message reaches VE7LTD (live) no matter where he is on the planet via the APRS-IS assuming he is on the air. On receipt, and if VE7LTD is available, he will establish the call-back IRLP link.

ASSISTED - A distributed IPRS server system monitors both the IRLP active node status and also the global APRS-IS stream looking for IPRS-CQ messages. On detection, it compares the positions of the users and the nodes and identifies the nearest non-busy IRLP node numbers to each one. If one of the nearest nodes is connected to a CONFERENCE node, then both users are invited to join the conference in session. This reply message to both end users is tailored to fit on each one's APRS message screen.

APRS PC user: 67 character free field line
TH-D7 HT user: 45 char line arranged as 12,12,12,9
TMD700 user: 64 char line arranged as 22,22,21

EXAMPLES of the IPRS Messages sent to each user on the TH-D7 HT display:

WB4APR sends APRS msg to VE7LTD saying "CQI" requesting an IRLP voice link. IPRS distributed server responds with messages to to both users informing them of nearest nodes to each of them.

Message to WB4APR (originator)

```
+--------------+  +--------------+   Message confirms to sender that
| CQ to VE7LTD |  | Use   I#1212 |   the IPRS processor has seen the
| on IRLP 2323 |  |  146.995^PL  |   IPRS-CQ message and tells sender
+--------------+  +--------------+   of his nearest IRLP node.
```

Message to VE7LTD (called station)

```
   +--------------+  +--------------+   Message to recepient asks him
   | Call WB4APR  |  | Use   I#2323 |   to call the sender on his IRLP
   | on IRLP 1212 |  |  446.375^PL  |   number and suggests the closest
   +--------------+  +--------------+   node that he can use...
```

If either of the nearest nodes to either of the users is currently connected to a conference node, then both users are informed of that situation so they can join the conference. The following message would indicate that #2323 near the callee is on a conference node:

```
   Message to WB4APR (originator)
   +--------------+  +--------------+   Message confirms to sender that
   | VE7LTD bsy   |  | Use   I#1212 |   the IPRS processor has seen the
   | 2323 = C123  |  |  146.995^PL  |   IPRS-CQ message but tells sender
   +--------------+  +--------------+   his nearest IRLP node is busy
                                        but that it is currently con-
                                        nected to conference node #123

   Message to VE7LTD (called station)
   +--------------+  +--------------+   Message to recepient asks him
   | Meet WB4APR  |  | Use   I#2323 |   join the conference currently
   | on Conf  123 |  |  446.375^PL  |   in progress on his closest
   +--------------+  +--------------+   node that he can use...
```

This same message would be sent to the originator if his nearest node was the one that was currently connected to a conference.

AUTO-QSY - The ultimate IPRS implementation is when the end users radio can respond directly to an IPRS command to automatically QSY to a given link frequency. This can be done through newly manufactured radios or retrofitted to existing radios with a simple external pic-processor. The Pic processor watches for the QSY packet command on the serial port and then sends the appropriated radio-control codes to set up the call.

Of course end users may enable various levels of auto-QSY to maintain some level of control over their radio response to these external influences. QSY commands may come in as BULLETINS to all stations in an area or as commands directed to only your station. Such a menu might consist of the following. Each level is assumed to include the processing of lower levels

```
   OFF  - No QSY commands accepted.  Displayed but not prompted
   1    - No QSY action, but prompt for Directed Commands
   2    - No QSY action, but prompt for all QSY commands
   3    - Respond to only Emergency Directed QSY Commands.
   4    - Include Priority Directed and above QSY commands.
   5    - Include all Directed QSY commands.  Prompt for BLNS
   6    - Include all Directed QSY commands and Emergency Bulletins
   7    - Include all Directed QSY commands and Priority Bulletins
   8    - Auto-QSY to all
```

Since the Kenwood D7 and D700 packet data can be monitored on the serial port while in APRS mode, an external PIC processor can watch for QSY commands and then command the radio as indicated. Thus, this IPRS automated QSY idea is backwards compatible!

NOTE to ALL AUTHORS: The "IPRS" processor that watches for CQ-I end-to-end IPRS user messages (on the APRS-IS) and then sends messages to BOTH END USERS with a recommendation about the nearest IRLP node and frequency to each end user, can be written BY ANY 3rd PARTY. Its operation is stand-alone and does not need any special access to IRLP engines or APRS engines. In fact, it does all of its work as an autonomous 3rd party.. Its only doing APRS messaging...

It would only need to twiddle within the IRLP system architecture if we get to the fully automatic stage where it not only finds the best end-to-end node recommendation, but then needs to automatically initiate the IRLP connects itself..

In the mean time, someone with nothing else to do could just sit down and do it.. ;-)

de WB4APR, Bob

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847. [aprssig] Dummy load

From: Bob Bruninga <bruninga@usna.edu>
Date: Tue, 30 Jul 2002 20:17:46 -0400 (EDT)
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-91981-2002.07.30-19.56.49--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Data Point on the 6" D7 dummy load antenna:

I set up an APRS test in my office with the D7 and rubber duck and the radio heard NOTHING all day (Nearest digi is 4 miles away).. I mean, nothing ever even opend squelch!

I replaced the antenna with a full size 19" whip on the HT and put it back in exactly the same spot and now I copy everything.

This means on the order of a 10 dB improvement... at least... going from below squelch level (lowest setting) to good copy...

de WB4APR@amsat.org, Bob

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848. [aprssig] Powering D7 from EXT PWR

From: Bob Bruninga <bruninga@usna.edu>
Date: Tue, 30 Jul 2002 20:20:44 -0400 (EDT)
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-91982-2002.07.30-20.00.13--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

I assume that I can run a D7 for a month on external power without frying the nicads? Tonight I was setting up something and noticed the battery was warm. Not hot, but warmer than I would have expected to want to leave it running for a month...

This is first time I hve used external power. and this thingy Im building will be in a box for a month and I dont want to burn up a good radio...

Bob

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849. [aprssig] Re: Powering D7 from EXT PWR

From: David VanHorn <dvanhorn@cedar.net>
Date: Tue, 30 Jul 2002 19:44:45 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-91985-2002.07.30-20.24.14--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

>
>This is first time I hve used external power. and this thingy Im building
>will be in a box for a month and I dont want to burn up a good radio...

I don't run mine that way, so I haven't seen this.

If the battery is warm, it's either heated by the transmitter heatsink, or overcharging.

Check it for a while with TX off.

Alternately, measure the current into the battery, when everything's on but idle. If it's more than 2-3mA for NIMH batteries, I wouldn't advise it. NIMH's are very sensitive to long term overcharge, and the old C/10 rule for NICADs is a bad idea. C/300 is the rule for NIMH.

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850. [aprssig] Re: Dummy load

From: David VanHorn <dvanhorn@cedar.net>
Date: Tue, 30 Jul 2002 19:45:49 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-91986-2002.07.30-20.24.25--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

>
>This means on the order of a 10 dB improvement... at least... going from
>below squelch level (lowest setting) to good copy...

I measured a 3x improvement in range to the local repeater.

That antenna is truly the golden standard for helical dummy loads. :)

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851. [aprssig] Re: IPRS, a marriage of IRLP and APRS?

From: Jim Duncan <jdbandman@earthlink.net>
Date: Tue, 30 Jul 2002 20:06:32 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-91988-2002.07.30-20.45.10--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

At the risk of being a nay-sayer, I think I have finally come to the point of "this is ridiculous" attitude toward APRS.

APRS IS not, CAN not, and SHOULD not be everything to everyone. The suggestion that we start adding voice is ludicrous and is something that while it is a "cool idea" is NOT the direction APRS needs to go.

We have enough problems with bandwidth already. Should we not be concentrating on just making APRS work fluidly before we start trying literally take over all of amateur radio?

Yes, OK.....that IS a little over-the-top but I really think that voice is best left to simplex and repeaters. After all, how many people (REALLY now!) can actually manipulate a computer and a microphone simultaneously while in motion?

We have too many issue within the CURRENT framework to iron out before we become demi-gods.

Please, Bob..... I've never publicly disagreed with you before but in this case I'm going to. So, whilst I'm on my chemo-induced soapbox, I might as well preach a little....to wit...

The days of backward compatibility are over and probably have been for QUITE some time. How many people REALLY are using XT's and AT's to run APRS any more? For THAT matter, how many APRS users are even using a DOS-based environment at all? Move on, support an older version that will always be compatible but leave it at that: support.

>From a personal standpoint, I spent MONTHS sitting at the computer with a DOS editor creating and parring down X,Y points to create maps for DOS-based APRS. It was certainly a labor of love because in spite of asking those who downloaded and used the maps to send a $5.00 registration fee, I never received DIME ONE. This really is NOT the issue, but it IS part of the reason I quit doing DOS maps, besides the fact that the good-old 5000 point limit on the size of map files has NEVER been addressed because you can't go beyond whatever the magic number is that makes Q-BASIC puke.

Point being: there's just no point in continuing to support a platform which , arguably, a VERY small percentage of people are even still using (the hardware, NOT the software!).

Next, it's time to get off our collective tuck-i (that's plural for a

Yiddish word for hips) and start pressing for higher speeds. 1200 baud is what is holding us back. Until we can at least upgrade to an early 1990's data rate like 9600, all the fluff and "cool ideas" should not even be seriously considered until we, as amateurs begin to act as innovators rather than settling for a technology that the REST of the world left in the dust TWENTY YEARS AGO!.

OK, my head hurts now.... Peace and long life....
--
73 de Jim, KU0G
Chairman/Coordinator
Kansas City APRS Working Group, W0APR
Mailto:ku0g@kcaprs.org
Webpage: http://www.kcaprs.org

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852. [aprssig] Re: IPRS, a marriage of IRLP and APRS?

From: David VanHorn <dvanhorn@cedar.net>
Date: Tue, 30 Jul 2002 20:19:17 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-92000-2002.07.30-20.59.20--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

IF I understood Bob correctly, he was talking about using the APRS net to provide tuning information to a second radio, which would talk to the local IRLP repeater, if any.

Oddly similar to what I've proposed several times for high speed APRS nets on 440, where the local nets could be on any frequency, and the national net would carry advisory packets stating the frequency, and center location of the local high speed nets. The client would figure which is closest, and tune in, using the next closest if the primary is full, down, or otherwise unusable. Since nobody makes a suitable radio though, it's not very workable.. :(

I didn't get that he was planning to digitize the voice and send it over APRS, which would be unworkable due to low bandwidth and high latency.

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853. [aprssig] ISS Pass

From: Mark Fellhauer <sparkfel@qwest.net>
Date: Tue, 30 Jul 2002 21:04:36 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-92002-2002.07.30-21.44.02--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Just for grins I fired up soundcard AGWPE and UI-View for the last ISS pass (Max 37 degrees above horizon).

Signal was quite strong on 145.800 MHz (or thereabouts)

Stations Copied from Sioux Falls

W9ORW - 514 miles (Valpo, IN)

AD5ER-3 - 653 miles (Amarillo, TX)

W5MBM-4 - 732 miles (Dallas, TX)

W3AFE - 1052 miles (D.C. Area)

K2RQA - 1164 miles (Albany, NY)

K1KWP-4 - 1268 Miles (Worcester, MA)

Equipment Used:

SatTrack/CE on Casio Pocket PC (AOS info only works on registered versions)
Uniden Bearcat BC895XLT Scanner

Radio Shack Discone Antenna (20 feet AGL) w/about 50 feet of cheap coax
Homebrew Computer with AMD K62-400 processor & CT4760 SoundBlaster
soundcard (OS is Win98)

If I can copy ISS packet with a Bearcat scanner, anyone with an HT should be able to do as good. I have a low-noise RF pre-amp on the way. It'll be interesting to see if that helps copy more stations (or just amplifies the intermod around here).

73,

Mark
KC7BXS

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854. [aprssig] Re: ISS Pass

From: WA8LMF2@aol.com
Date: Tue, 30 Jul 2002 22:25:09 EDT
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-92014-2002.07.30-22.04.24--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

In a message dated 7/30/02 7:06:36 PM Pacific Daylight Time,
sparkfel@qwest.net writes:

> If I can copy ISS packet with a Bearcat scanner, anyone with an HT should
> be able to do as good. I have a low-noise RF pre-amp on the way. It'll
> be interesting to see if that helps copy more stations (or just amplifies
> the intermod around here).
>

That's about the same setup I used to copy SSTV from the Mir station -- a Bearcat 870 with a 19" whip, with the Bearcat's tape record output fed into a PC running WinPix32. I had two cavities tuned to 145.9 between the antenna and the Bearcat to keep it from being totally wiped out on our RF-saturated hilltop....

```
Stephen H. Smith                   wa8lmf @ aol.com
Home Page:
http://members.aol.com/wa8lmf
Ham Radio/Mobile SSTV page:     http://members.aol.com/wa8lmf/ham
APRS Stuff
http://members.aol.com/wa8lmf/aprs
------------------------------------------------------------------------------

----------
|    Radio Communications Systems       Personal Computers
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|    File Conversions       MS-Windows Setups       VISCII Fonts
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855. [aprssig] Re: IPRS, a marriage of IRLP and APRS?

From: Adi Linden <adil@adis.on.ca>
Date: Tue, 30 Jul 2002 21:56:31 -0500 (Central Daylight Time)
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: TAPR APRS Special Interest Group <aprssig@lists.tapr.org>
Message-ID: <LYR842-92016-2002.07.30-22.35.35--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

> IF I understood Bob correctly, he was talking about using the APRS net to
> provide tuning information to a second radio, which would talk to the local

> IRLP repeater, if any.

I understand it as a means to notify another party that you want to talk to them, almost like a pager (can you make a D7A beep?). On top of that the system will figure out the closest available IRLP repeaters that could facilitate that conversation. The involved parties positions are known via APRS and the closest IRLP nodes can be determined by the IRLP database.

I think this is a brilliant idea. APRS does the messaging and positioning, IRLP will carry the voice traffic....

Adi
va3adi

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Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

856. [aprssig] Re: IPRS, a marriage of IRLP and APRS?

From: David VanHorn <dvanhorn@cedar.net>
Date: Tue, 30 Jul 2002 22:01:14 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: TAPR APRS Special Interest Group <aprssig@lists.tapr.org>
Message-ID: <LYR842-92017-2002.07.30-22.40.04--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

>
>I think this is a brilliant idea. APRS does the messaging and positioning,
>IRLP will carry the voice traffic....
>
>Adi
>va3adi

It's interesting..
I wonder how well it will stand up to use though, since it will undoubtedly put a lot of users on a few repeaters.

I'd like to give it a try though.

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Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

857. [aprssig] Re: IPRS, a marriage of IRLP and APRS?

From: Mark Fellhauer <sparkfel@qwest.net>
Date: Tue, 30 Jul 2002 22:19:37 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-92018-2002.07.30-22.58.56--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

At 08:06 PM 7/30/02, Jim Duncan wrote:

>At the risk of being a nay-sayer, I think I have finally come to the
>point of "this is ridiculous" attitude toward APRS.
>
>APRS IS not, CAN not, and SHOULD not be everything to everyone. The
>suggestion that we start adding voice is ludicrous and is something that
>while it is a "cool idea" is NOT the direction APRS needs to go.
>
>We have enough problems with bandwidth already. Should we not be
>concentrating on just making APRS work fluidly before we start trying
>literally take over all of amateur radio?

The idea is not to use APRS frequenices for voice, but to have a system that manually or automatically changes to an IRLP frequency.

>Yes, OK.....that IS a little over-the-top but I really think that voice
>is best left to simplex and repeaters. After all, how many people
>(REALLY now!) can actually manipulate a computer and a microphone
>simultaneously while in motion?

Have you looked at the new Yaesu radios? The VX-7R & FT-8900 have an Internet button on them. This is for WIREs (Wide-coverage Internet-linked REpeater) access.

Yaesu has the PDF manual and brochure for the VX-7R
online. NOTE: although this info is in English, they used some Japanese
fonts, so for best results, download and install Japanese language support
to your Adobe reader (about 5 MB to download).

>Next, it's time to get off our collective tuck-i (that's plural for a
>Yiddish word for hips) and start pressing for higher speeds. 1200 baud
>is what is holding us back. Until we can at least upgrade to an early
>1990's data rate like 9600, all the fluff and "cool ideas" should not
>even be seriously considered until we, as amateurs begin to act as
>innovators rather than settling for a technology that the REST of the
>world left in the dust TWENTY YEARS AGO!.

I, and several others, have pointed out the problems with going to 9600
baud AX.25, including reduced robustness and reduced range.   It is not a
panacea for the issues that have manifested themselves in the APRS
network.   We need to leapfrog technologies here, not catch up with 1987.

I have problems with IRLP, it's a great concept, but I don't feel the
software interface is being implemented well.   Nor do I agree with the
removal of non-RF linking. If they actually think that everybody with an
HT is licensed, well, they've never been to Southern California...

73,

Mark
KC7BXS

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858. [aprssig] Re: IPRS, a marriage of IRLP and APRS?

From: "Jack Smith" <jrs38801@bellsouth.net>
Date: Tue, 30 Jul 2002 22:42:07 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-92019-2002.07.30-23.21.12--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Hey Mark (and everybody else!)

I think that the concept for IPRS is terrific, but I have to agree that we
need to increase speed by leapfrogging as you (Mark) say.

>I, and several others, have pointed out the problems with going to 9600
baud AX.25, including reduced robustness and reduced range.   It is not a
panacea for the issues that have manifested themselves in the APRS
network.   We need to leapfrog technologies here, not catch up with 1987.

>I have problems with IRLP, it's a great concept, but I don't feel the
software interface is being implemented well.   Nor do I agree with the
removal of non-RF linking. If they actually think that everybody with an
HT is licensed, well, they've never been to Southern California...

Have you looked at I-Link/EchoLink? I think the EchoLink interface for the
I-Link server system is very good, and would benefit from something like
this IPRS approach. As to the HTs all being licensed, all you have to do to
disprove is go to most any major metropolitan area to disprove that to
yourself! Too bad there's not enough ARDFers out there to track them all
down...

Anyway, keep the brainstorming guys! I think this is a great idea if we can
only hash out how to implement it. Bob, don't let your friends and mine at
DOD get wind of it. They'll just hire somebody to impement it in our
systems and charge $70K per HT to make it not work... LOL

73 Jack KE4LWT

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859. [aprssig] Re: IPRS, a marriage of IRLP and APRS?

From: Rick Holbert <rholbert@fastmail.fm>
Date: Tue, 30 Jul 2002 23:44:45 -0700
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: TAPR APRS Special Interest Group <aprssig@lists.tapr.org>
Message-ID: <LYR842-92021-2002.07.30-23.24.05--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Warning, here are some more of those dangerous ideas...

What if we combined IPRS with APRStt (APRS Touch Tone)?

This would allow a roaming user without a computer, TNC or an APRS enabled
radio to check into a local IRLP node to accept incoming calls or to request a
QSO with another station that has checked in with their local IRLP node.

Think of the possibilities...

KB8DNR

David VanHorn wrote:

> >
> >I think this is a brilliant idea. APRS does the messaging and positioning,
> >IRLP will carry the voice traffic....
> >
> >Adi
> >va3adi
>
> It's interesting..
> I wonder how well it will stand up to use though, since it will undoubtedly
> put a lot of users on a few repeaters.
>
> I'd like to give it a try though.
>
> ---
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860. [aprssig] Last ISS Pass

From: Mark Fellhauer <sparkfel@qwest.net>
Date: Tue, 30 Jul 2002 22:48:51 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-92022-2002.07.30-23.28.39--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

I netted these stations on the last pass:

N9IDH - 431 miles (Milwaukee, WI)

W2CO - 489 miles (Longmont, CO)

VE3TZS - 833 miles (Collingwood, Ontario)

I snagged the VE call when the satellite was about 15 degrees above the
horizon and going down. That's way up on Lake Huron on the Nottawasga
Bay. A very nice place to be APRSing in the summer. Wish I were there... :)

I guess the reason I'm posting this information is it's a good way to
introduce someone to APRS, without having to spend a lot of money. With
just a scanner, external antenna, and a PII class computer with a
soundcard, you can copy satellite/ISS traffic. I actually think soundcard
AGWPE is more sensitive than most of the hardware TNC's I've owned.

73,

Mark
KC7BXS

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861. [aprssig] Re: IPRS, a marriage of IRLP and APRS?

From: Adi Linden <adil@adis.on.ca>
Date: Tue, 30 Jul 2002 22:49:30 -0500 (Central Daylight Time)
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: TAPR APRS Special Interest Group <aprssig@lists.tapr.org>
Message-ID: <LYR842-92023-2002.07.30-23.28.53--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

> I have problems with IRLP, it's a great concept, but I don't feel the
> software interface is being implemented well. Nor do I agree with the
> removal of non-RF linking. If they actually think that everybody with an
> HT is licensed, well, they've never been to Southern California...

IRLP is a service running on a Linux server and not a desktop application. As such I think the interface is quite adequate.

If you think about unlicensed users on IRLP, the only way to access the IRLP system is via a repeater. I would hope reasonable care is taken to only have licensed amateurs join the IRLP repeater system. From a user point of view there is not much of a difference between an IRLP linking and an RF linking. There is no way of ensuring only licensed amateurs use (or abuse) a linked repeater, be it RF or IRLP. What you CANNOT do is simply fire up a computer, download IRLP, plug in a headset and talk away on IRLP linked repeaters. The IRLP system is only accessible via participating RF repeaters.

Adi
va3adi

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862. [aprssig] OT = Scanner power supply

From: Doug McFadden <kc7imr@orednet.org>
Date: Tue, 30 Jul 2002 20:40:33 -0700 (PDT)
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-92024-2002.07.30-23.41.18--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

OT - maybe not if I scan a map or 2

At any rate, it seems that the wall wort/ power supply for my scanner has been lost??? Does anybody know what the power requirements & polarity is for a UMAX ASTRA 1220p scanner? May I can get one at RS. I found nothing on the UMAX site, so maybe someone has one and can let me know?

thanks,
Doug/KC7IMR

-=-

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863. [aprssig] REF: Powering D7 from EXT PWR

From: wa4tkg@attbi.com
Date: Wed, 31 Jul 2002 04:03:45 +0000
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: aprssig@lists.tapr.org
Message-ID: <LYR842-92026-2002.07.30-23.43.13--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Hello Bob/Robbie:

I have run HTs in the past, SOLELY from a power supply.
*While in Japan, and also in Southern California) My Tokyo packet

```
station consisted of an IC-W21T (Japanese model) wired through
a 30W 2m amp (RARELY used).   The set up worked FLAWLESSLY.
I operated through a BBS (7J1YAB) a good 20 + miles away on and
managed to get connected without any problem  (QRM sometimes).
The radios ALWAYS worked just FINE, and I USUALLY
ran them at FULL power, not low (5W).
You can typically expect it to run about 6 or 7W out
off the power supply.
I think it'll do just fine.
Will there be a trickle/float charger attached?
(just curious)
I am presently testing a large capacity, deep cycle
battery I acquired, and it is being simultaneously
charged by a 600ma float charger.....
I'll let you know how it turns out.
I'm presently running it on the local BBS
frequency, but will switch it to APRS shortly.
I'm running a test to see how long it will operate
with the float hooked up, and running the tnc (MFJ-1270C)
with a FT-2600M set on 10W output, with a beacon every
9 minutes.
Next I'll run a GATE test HF/VHF on a weekend, to see how
long the pair (an IC-706MKIIG) will run, with a PK-900.
It's HURRICANE season; don't 'ya know ?

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```

864. [aprssig] Re: IPRS, a marriage of IRLP and APRS?

From: Mark Fellhauer <sparkfel@qwest.net>
Date: Tue, 30 Jul 2002 23:14:09 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-92028-2002.07.30-23.54.26--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

```
At 09:56 PM 7/30/02, Adi Linden wrote:

>I understand it as a means to notify another party that you want to talk
>to them, almost like a pager (can you make a D7A beep?).

I think the D7A(G) lacks that feature, DTMF squelch (aka Pocket Beep).  A
big boo-boo, IMHO.


>I think this is a brilliant idea. APRS does the messaging and positioning,
>IRLP will carry the voice traffic....

I wonder if all the talk of IRLP as brought www.irlp.net to it's knees.   I
have been unable to access that URL for several hours now.


73,

Mark
KC7BXS




---
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```

865. [aprssig] Re: IPRS, a marriage of IRLP and APRS?

From: Adi Linden <adil@adis.on.ca>
Date: Tue, 30 Jul 2002 23:16:34 -0500 (Central Daylight Time)
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: TAPR APRS Special Interest Group <aprssig@lists.tapr.org>
Message-ID: <LYR842-92030-2002.07.30-23.56.43--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

```
> I wonder if all the talk of IRLP as brought www.irlp.net to it's knees.   I
> have been unable to access that URL for several hours now.

Works fine from here...
```

Adi

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866. [aprssig] REF: D-7 Ni-Cads Installed?

From: wa4tkg@attbi.com
Date: Wed, 31 Jul 2002 04:23:20 +0000
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-92047-2002.07.31-00.02.48--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Woops; Missed That Part:

Why would you leave the Ni-Cads IN the radio if
you are operating it from a power supply ?
Nope; I wouldn't do THAT....either remove them,
or place something in the battery compartment to
keep them from being continually charged
(electrical tape?; too messy when it heats up.
paper?; bad idea....take 'em out).
Can you DO that in a D-7?; I'll go look @
the manual on Adobe.

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867. [aprssig] Re: REF: D-7 Ni-Cads Installed?

From: David VanHorn <dvanhorn@cedar.net>
Date: Tue, 30 Jul 2002 23:36:44 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-92048-2002.07.31-00.15.21--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

At 04:23 AM 7/31/2002 +0000, wa4tkg@attbi.com wrote:
>Woops; Missed That Part:
>
>Why would you leave the Ni-Cads IN the radio if
>you are operating it from a power supply ?
>Nope; I wouldn't do THAT....either remove them,
>or place something in the battery compartment to
>keep them from being continually charged
>(electrical tape?; too messy when it heats up.
>paper?; bad idea....take 'em out).
>Can you DO that in a D-7?; I'll go look @
>the manual on Adobe.

It leaves the battery contacts exposed, and I'm not sure the ext power
interface will support full power output.

Just another abysmal "charger" implementation..
Why can't I ever get away with that in a commercial product?
:)

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868. [aprssig] Re: REF: D-7 Ni-Cads Installed?

From: "Dave Thege" <dthege@ncfcomm.com>
Date: Tue, 30 Jul 2002 23:47:38 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-92050-2002.07.31-00.23.27--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

When I ran my D7 in the truck off the acc port, I used the alkaline battery
pack without batteries. That way I still protected the back of the radio and
didn't need to worry about overcharging.
Dave N0XBN
----- Original Message -----

From: <wa4tkg@attbi.com>
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Sent: Tuesday, July 30, 2002 11:23 PM
Subject: [aprssig] REF: D-7 Ni-Cads Installed?

> Woops; Missed That Part:
>
> Why would you leave the Ni-Cads IN the radio if
> you are operating it from a power supply ?
> Nope; I wouldn't do THAT....either remove them,
> or place something in the battery compartment to
> keep them from being continually charged
> (electrical tape?; too messy when it heats up.
> paper?; bad idea....take 'em out).
> Can you DO that in a D-7?; I'll go look @
> the manual on Adobe.
>
> ---
> You are currently subscribed to aprssig as: dthege@ncfcomm.com
> To unsubscribe send a blank email to leave-aprssig-842K@lists.tapr.org
> Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org
>
>

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---

869. [aprssig] RE: D-7 Ni-Cads Installed?

From: wa4tkg@attbi.com
Date: Wed, 31 Jul 2002 04:48:56 +0000
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: aprssig@lists.tapr.org
Message-ID: <LYR842-92052-2002.07.31-00.28.06--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

DaaaaH:

Yup; that's better...I forgot to mention that.
I DID have the Alkaline case stuck onto it; empty.

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870. [aprssig] Re: IPRS, a marriage of IRLP and APRS?

From: Jim Duncan <jdbandman@earthlink.net>
Date: Tue, 30 Jul 2002 23:51:37 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-92053-2002.07.31-00.30.28--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Thank you all for allowing me to start yet another interesting and (as yet) non-violent debate/conversation! Always good to know that I've still got it!

Another thought: Why does this have to even deal with APRS at all? It doesn't seem to be dependent upon APRS software at all but simply relying on the radio to know it's location (a simple connection of a GPS) and the interception of a broadcast bulletin from the local IRLP node, right?

This entire application wouldn't even have to be on the primary APRS frequency and, as such, presents another heretofore (ya, I get to use those $0.50 words now that I've finally finished my Masters!) unmentioned "evil word". ANOTHER APRS FREQUENCY.....

WooooooooooOOOOOOOOOOOOOOOOOOooooooooooooooo!!!!! Am I gonna git it NOW, er what, Emma?

<evil, sadistic laughter>
--
73 de Jim, KU0G
Chairman/Coordinator
Kansas City APRS Working Group, W0APR

First Alert Storm Team KMBC-TV9
Mailto:ku0g@kcaprs.org
Webpage: http://www.kcaprs.org

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871. [aprssig] RE: Dummy load

From: "Frank Kostelac" <n7zev@earthlink.net>
Date: Tue, 30 Jul 2002 22:42:04 -0700
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-92058-2002.07.31-01.23.08--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Matches the antenna performance I've seen with the F6. Maybe Kenwood needs to get the message.
Frank/N7ZEV
-----Original Message-----
From: bounce-aprssig-20836@lists.tapr.org
[mailto:bounce-aprssig-20836@lists.tapr.org]On Behalf Of Bob Bruninga
Sent: Tuesday, July 30, 2002 5:18 PM
To: TAPR APRS Special Interest Group
Subject: [aprssig] Dummy load

Data Point on the 6" D7 dummy load antenna:

I set up an APRS test in my office with the D7 and rubber duck and the radio heard NOTHING all day (Nearest digi is 4 miles away).. I mean, nothing ever even opend squelch!

I replaced the antenna with a full size 19" whip on the HT and put it back in exactly the same spot and now I copy everything.

This means on the order of a 10 dB improvement... at least... going from below squelch level (lowest setting) to good copy...

de WB4APR@amsat.org, Bob

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872. [aprssig] Findu new in Raw Packet?

From: "Hellmut Landolt" <df5ff@amsat.org>
Date: Wed, 31 Jul 2002 6:39:46
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-92064-2002.07.31-07.18.53--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Hello,

I see that the line with raw packet has a new look. For example in this line:

Raw packet:
DB0KT>APNU18,RELAY,WIDE3-3,DB0GV-2,I,qAS,db0lj:!5029.19N/00916.55E#APRS
WIDE-DIGI Herchenhain 733m ueNN

is inserted   qAS, db0lj: does this show the server which transported the frame to findu?

Vy 73 Hellmut, DF5FF

df5ff@amsat.org
www.aprs-frankfurt.de

```
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Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org
```

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873. [aprssig] Re: IPRS, a marriage of IRLP and APRS?

From: Bob Bruninga <bruninga@usna.edu>
Date: Wed, 31 Jul 2002 08:32:18 -0400 (EDT)
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: TAPR APRS Special Interest Group <aprssig@lists.tapr.org>
Message-ID: <LYR842-92067-2002.07.31-08.11.25--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

```
On Tue, 30 Jul 2002, Jim Duncan wrote:

> At the risk of being a nay-sayer, I think I have finally come to the
> point of "this is ridiculous" attitude toward APRS.
>
> APRS IS not, CAN not, and SHOULD not be everything to everyone.  The
> suggestion that we start adding voice is ludicrous and is something that
> while it is a "cool idea" is NOT the direction APRS needs to go.

Then you missunderstood the concept.

> We have enough problems with bandwidth already.  Should we not be
> concentrating on just making APRS work fluidly before we start trying
> literally take over all of amateur radio?

The VOICE remains where it is, on IRLP, ILINK, ECHOLINK, or whatever.
IPRS is simply a way of sending a short APRS message to someone saying I
wanna talk... now...  and letting the power of APRS figure it out for him.
Total load on APRS is one message.  ANd if it helps them establish a VOICE
qso on another channel, then it will actually reduce loading on APRS
because they can handle a LOT more throughpout by talking than trying to
send multiple one-liners to get the traffic through.

> Yes, OK.....that IS a little over-the-top but I really think that voice
> is best left to simplex and repeaters.  After all, how many people
> (REALLY now!) can actually manipulate a computer and a microphone
> simultaneously while in motion?
>
> We have too many issue within the CURRENT framework to iron out before
> we become demi-gods.
>
> Please, Bob..... I've never publicly disagreed with you before but in
> this case I'm going to.  So, whilst I'm on my chemo-induced soapbox, I
> might as well preach a little....to wit...
>
> The days of backward compatibility are over and probably have been for
> QUITE some time.  How many people REALLY are using XT's and AT's to run
> APRS any more?  For THAT matter, how many APRS users are even using a
> DOS-based environment at all?  Move on, support an older version that
> will always be compatible but leave it at that:  support.

There is nothing about the IPRS concept that has anything to do with
APRSdos or old PC's.

> >From a personal standpoint, I spent MONTHS sitting at the computer with
> a DOS editor creating and parring down X,Y points to create maps for
> DOS-based APRS.  It was certainly a labor of love because in spite of
> asking those who downloaded and used the maps to send a $5.00
> registration fee, I never received DIME ONE.  This really is NOT the
> issue, but it IS part of the reason I quit doing DOS maps, besides the
> fact that the good-old 5000 point limit on the size of map files has
> NEVER been addressed because you can't go beyond whatever the magic
> number is that makes Q-BASIC puke.
>
> Point being: there's just no point in continuing to support a platform
> which , arguably, a VERY small percentage of people are even still using
> (the hardware, NOT the software!).

If I continue to support users of APRSdos, I dont see how it has any
impact on you..

> Next, it's time to get off our collective tuck-i (that's plural for a
> Yiddish word for hips) and start pressing for higher speeds.  1200 baud
> is what is holding us back.  Until we can at least upgrade to an early
> 1990's data rate like 9600, all the fluff and "cool ideas" should not
> even be seriously considered until we, as amateurs begin to act as
> innovators rather than settling for a technology that the REST of the
```

> world left in the dust TWENTY YEARS AGO!.

For a single packet every now and then to arrive error free in a mobile environment over a range of X, that will ALWAYS be done better and more reliable at 1200 baud. And if we get people to cut back on their path length to 2 or 3 hops max, we can still support a LOT of growth.

I agree 100% that we need high speed backbones, but just dont want people to think that switching to 9600 baud at the mobile really gains anything... It doesnt. Its worse...

de WB4APR@amsat.org, Bob

```
PCsat WEB  page     http://www.ew.usna.edu/~bruninga/pcsat.html
ISS-APRS FAQ:       http://www.ew.usna.edu/~bruninga/iss-faq.html
CUBESAT Designs     http://www.ew.usna.edu/~bruninga/cubesat.html
APRS LIVE pages     http://www.ew.usna.edu/~bruninga/aprs.html
APRS SATELLITES     http://www.ew.usna.edu/~bruninga/astars.html
MIM/Mic-E/Mic-Lite  http://www.toad.net/~wclement/bruninga/mic-lite.html
```

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874. [aprssig] Re: Powering D7 from EXT PWR

From: John Kraus <jfkraus2@cox.net>
Date: Wed, 31 Jul 2002 08:36:18 -0400
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-92068-2002.07.31-08.14.25--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Bob and SIG,

I have noticed that several people have made reference to an alkaline battery shell. One option may be to build a D/C interface into the shell (may need to buy a new one but they are usually cheap). I did this with an Icom IC-T2H sport that does not run from 13.8 volts according to manual the jack on the radio is not supposed to be used for operations. I just whipped out the old dremel tool and removed the separators and wired some 6 amp diodes and mounted a powerpole on the back. and power level setting.

I can now run the radio from any ~13.8 D/C source, I also don't need to worry about the little coaxial power connectors falling out as the shell snaps on the powerpoles are a better connection. I normally use a 1.2ah or 7ah gell cell in a beltpack. It works great and gives me1or 6 watt output for hours or days depending on the pack. It is easy to vary the number of diodes to get any voltage needed. Yes I know it's not the optimum solution but it is cheap, rugged and easy. You can also add a cap across the terminals to absorb some of the spikes from car noise.

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875. [aprssig] Re: IPRS, a marriage of IRLP and APRS?

From: Bob Bruninga <bruninga@usna.edu>
Date: Wed, 31 Jul 2002 08:47:00 -0400 (EDT)
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: TAPR APRS Special Interest Group <aprssig@lists.tapr.org>
Message-ID: <LYR842-92069-2002.07.31-08.26.33--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

On Tue, 30 Jul 2002, David VanHorn wrote:

> >I think this is a brilliant idea. APRS does the messaging and positioning,
> >IRLP will carry the voice traffic....
>
> It's interesting.. I wonder how well it will stand up to use though,
> since it will undoubtedly put a lot of users on a few repeaters.

The way I see it, its just like the CELLULAR concept. That as the load incereases, the CELLS get smaller. The time is soon gone that a WIDE area club VOICE repeater with 500 members should be supporting an IRLP node for these kinds of directed one-on-one calls...

Many IRLP nodes in the future will have HAAT's of less than 100 feet and
only reach out 8 miles to a mobile... This allows for multiple re-use of
the frequencies... Each one operates on SIMPLEX for spectrum efficiency.

This is not to say that there cannot still be WIDE area IRLP noddes at
all, but with APRS konwing where everyone is, it simply means that we can
go to 99,000 small nodes without worrying about how to keep the list up to
date. We dont. the IPRS processor always makes the conncetion
mostly based on POSITION, and probably only uses links to non-busy node
sites.

In fact, I think it will evolve a new IRLP/ECHO-LINK node class. One that
is NOT intended as a general purpose wide area REPEATER chat coverage, but
one that is intended as a local node to establish and end-to-end
one-user-to-one user connection... a HAMCELL phone call if you will...

In fact, my HOME station would probably be switched into that service when
I leave the house. This would let me receive IPRS calls in my mobile
during the first 15 minutes of my commute. And then the NODE at my office
would pick me up during the last 15 minutes of my commute...

In fact, why dont we call these things IPRS nodes...?
(And this has nothing to do with APRS other than supporting the
message to initiate the call)...

de WB4APR, Bob

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876. [aprssig] Re: IPRS, a marriage of IRLP and APRS?

From: "Sadowski, Allan" <allan.sadowski@ncshp.org>
Date: Wed, 31 Jul 2002 09:24:12 -0400
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-92073-2002.07.31-09.03.19--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Hmmm

Why not at the same time - extend the concept for data networking in
general.

I.E. ability to do the same for SEDAN or NOS or "whatever" data connectivity
that might be in the area... ultimately, 144.39 could just end up being a
control channel (a la cellular infrastructure control channel) for lots of
amateur radio functions...

Here's the opportunity to revive a previous concept that was mentioned here
in the past...

As you travel around... (and you enable the mode)... your rig can receive a
list of the local repeaters - that (with your approval) you can select for
use...

No more having to pull off the road... check your repeater directory... tune
your rig... call on a few repeaters for local info... just go through the
memories that have been reprogrammed with the data...

Eyes stay on the road...

On the data side... maybe DAMA will come to the US !!!!! yippeeeee

ALOHA
AH6LS

> -----Original Message-----
> From: Bob Bruninga [SMTP:bruninga@usna.edu]
>
> On Tue, 30 Jul 2002, David VanHorn wrote:
>
> > >I think this is a brilliant idea. APRS does the messaging and
> positioning,
> > >IRLP will carry the voice traffic....
> >
> > It's interesting.. I wonder how well it will stand up to use though,

```
> > since it will undoubtedly put a lot of users on a few repeaters.
>
> The way I see it, its just like the CELLULAR concept.  That as the load
> incereases, the CELLS get smaller.  The time is soon gone that a WIDE area
> club VOICE repeater with 500 members should be supporting an IRLP node for
> these kinds of directed one-on-one calls...
>

> Many IRLP nodes in the future will have HAAT's of less than 100 feet and
> only reach out 8 miles to a mobile...  This allows for multiple re-use of
> the frequencies...  Each one operates on SIMPLEX for spectrum efficiency.
>

> This is not to say that there cannot still be WIDE area IRLP noddes at
> all, but with APRS konwing where everyone is, it simply means that we can
> go to 99,000 small nodes without worrying about how to keep the list up to
> date.  We dont.  the IPRS processor always makes the conncetion
> mostly based on POSITION, and probably only uses links to non-busy node
> sites.
>

> In fact, I think it will evolve a new IRLP/ECHO-LINK node class.  One that
> is NOT intended as a general purpose wide area REPEATER chat coverage, but
> one that is intended as a local node to establish and end-to-end
> one-user-to-one user connection...  a HAMCELL phone call if you will...
>
>

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877. [aprssig] Re: IPRS, a marriage of IRLP and APRS?

From: Adi Linden <adil@adis.on.ca>
Date: Wed, 31 Jul 2002 09:07:03 -0500 (CDT)
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: TAPR APRS Special Interest Group <aprssig@lists.tapr.org>
Message-ID: <LYR842-92075-2002.07.31-09.46.13--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

```
> As you travel around... (and you enable the mode)...  your rig can receive a
> list of the local repeaters - that (with your approval) you can select for
> use...

This would require a central database with accurate repeater information.
Is anything like this in existance?

Adi


---
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```

---

878. [aprssig] Re: IPRS, a marriage of IRLP and APRS?

From: "Sadowski, Allan" <allan.sadowski@ncshp.org>
Date: Wed, 31 Jul 2002 10:08:43 -0400
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: TAPR APRS Special Interest Group <aprssig@lists.tapr.org>
Message-ID: <LYR842-92076-2002.07.31-09.47.56--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

```
What if it was decentralized... I.E. the local digi's only informed you
about the area you were at....

> -----Original Message-----
>
> > As you travel around... (and you enable the mode)...  your rig can
> receive a
> > list of the local repeaters - that (with your approval) you can select
> for
> > use...
>
> This would require a central database with accurate repeater information.
> Is anything like this in existance?
>
> Adi
```

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879. [aprssig] Re: [aprsnews] IPRS, a marriage of IRLP and APRS?

From: Bob Bruninga <bruninga@usna.edu>
Date: Wed, 31 Jul 2002 10:45:39 -0400 (EDT)
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: TAPR APRS SIG <aprssig@lists.tapr.org>,
Dale Heatherington <dale@wa4dsy.net>, Steve Dimse K4HG <k4hg@tapr.org>,
Dale Heatherington <dale@wa4dsy.net>,
David Cameron <DCameron@transtechinteractive.com>
Message-ID: <LYR842-92077-2002.07.31-10.24.46--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Actually, since we have a growing number of IRLP type systems providing end-to-end HAM voice connectivity, an "IPRS" system would need to be comaptible with them all. In other words, we need these systems to tell US their active node status, not having to re-invent a new interface to each new IRLP clone that comes along.

The answer is to have each NODE of any voice system report its instantatenous status on APRS with a conventional LOCAL packet as we began suggesting months ago. This single one-line packet contains EVERYTHING necessary for any IPRS process. That is, it contains POSITION, STATUS, FREQS, PL and FCC call. For example:

```
 ;MDannap.*3859.11N/07629.11W&IRLP#12345 on 147.555 PL156

Where: ;...*...   is the standard APRS object format
       MDannap    is the 8 char node name (Human readable, Annapolis MD)
       .          The "." means IDLE. "=" is connected. "?" is down etc
       LAT/LONG   is the position..
       IRLP#12345 identifies the node
       147.555    is the frequency and PL
```

This packet is from IRLP node number 12345 and has the geographical IPRS node name of MDAnnap indicating it is in Annapolis MD. (All IPRS nodes need an 8 byte human readable name for ease of human reference). This assures that we can display the node status on the front panel of the APRS mobile and HT displays. See my IPRS web page for how it looks... Remember, the radio also computes your distance and directon to the node!

Any IPRS engine watching the global APRS feed will see the current status. Other systems will have similar identifiers such as:

```
  I##### are IRLP nodes
  L##### are I-Link nodes
  E##### are Echo-Link nodes
  Q##### are eQSO nodes
  etc
```

Of course the existing numbering plans are internal to each respective system, and these first letter TYPE groupings are only for external IPRS discrimination. Generally, IPRS (APRS) only cares about the LAT/LONG of the node. That is what it uses for link determination...

Controversally (KU0G's concerns), I think these nodes should simply send their PACKET status on RF direct, no hops on 144.39. Advantages:

1) Instantaneous status avaialble to local mobiles.
2) Mobiles can display NODE status on the front panels
3) Status also available to the APRS-IS system
4) Its a universal interface (IRLP never needs to be concerned about how or where or why this gets into APRS...
5) APRS can take data and use it in creative ways independent of the differing types of nodes sending it (IRLP, ILINK, ELINK, etc)

This does NOT add any significant load to the APRS network at all. It adds ONE local packet on each change in status of the LOCAL IPRS voice node. No Big deal... Remember, APRS was designed for LOCAL use. It was NOT designed for the 24/7 monitoring of tens of thousands of square miles of activity across 5 states on a totally saturated channel... Its like cellular. Use the cell locally, and put on it what the locals IN SIMPLEX RANGE need.

Use the APRS internet if you want to see into another state...

Here is the IPRS WEB page   http://www.ew.usna.edu/~bruninga/iprs.html

de WB4APR, Bob

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880. [aprssig] Re: IPRS, a marriage of IRLP and APRS?

From: Jeff King <jeff@aerodata.net>
Date: Wed, 31 Jul 2002 11:08:58 -0400
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: TAPR APRS Special Interest Group <aprssig@lists.tapr.org>
Message-ID: <LYR842-92083-2002.07.31-10.41.16--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

On Wed, 31 Jul 2002 09:07:03 -0500 (CDT), Adi Linden wrote:
>>As you travel around... (and you enable the mode)... your rig can
>>receive a
>>list of the local repeaters - that (with your approval) you can
>>select for use...

>This would require a central database with accurate repeater
>information. Is anything like this in existance?

I imagine somewhere in the bowels of the ARRL, the ARRL repeater directory
has a database dedicated to it. Now getting access to it might be a different
story.

-Jeff

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881. [aprssig] Re: Powering D7 from EXT PWR

From: David VanHorn <dvanhorn@cedar.net>
Date: Wed, 31 Jul 2002 10:04:43 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: TAPR APRS Special Interest Group <aprssig@lists.tapr.org>
Message-ID: <LYR842-92085-2002.07.31-10.43.40--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

At 08:36 AM 7/31/2002 -0400, John Kraus wrote:
>Bob and SIG,
>
>I have noticed that several people have made reference to an alkaline
>battery shell. One option may be to build a D/C interface into the shell
>(may need to buy a new one but they are usually cheap).

This is a very good idea! The local bypass cap especially.
I'm sure Bob can sympathize with eliminating those coax power plugs :)

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882. [aprssig] Re: IPRS, a marriage of IRLP and APRS?

From: Bob Bruninga <bruninga@usna.edu>
Date: Wed, 31 Jul 2002 11:08:19 -0400 (EDT)
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: TAPR APRS Special Interest Group <aprssig@lists.tapr.org>
Message-ID: <LYR842-92089-2002.07.31-10.47.42--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

On Wed, 31 Jul 2002, Adi Linden wrote:

> > As you travel around... (and you enable the mode)... your rig can receive a

> > list of the local repeaters - that you can select for use...
>
> This would require a central database with accurate repeater information.
> Is anything like this in existance?

Not at all. It is LIVE data. We do it in our area. Repeaters that are useful to support local APRS activities have an OBJECT packet implanted in the local DIGI that sends it out every now and then... Thus on the front panel of yoru Kenwood, you see when you are in range of a repeater and its frequency. In fact the name of the obnject is its frequency, thus on the radio you see:

    146.76 as the callsign...

And on your attached GPS display you see

"INVALID WAYPOINT NAME RECEIVED"
"Hit ENTER to continue"

So probably better to use REPEATER freqs as node names without the decimal point and make them 6 digits as in 146760

Again, we do NOT want to see every ego repeater showing up on APRS. But we do want to send out to mobile visitors the frequency and location on their maps of the "best" repeater in an area for them to find someone to chat about APRS...

Oh, and of course, an up-to-date database then is as simple as monitoring the APRS-IS for a few minutes... ANd of course, we tried building such a data base into APRSdos. Just hit MAPS-OVERLAY-VOICE and if anyone had submitted your area repeater, it whould be overlayed on your mobile map... (but there was not much response, so I just add repeaters when I am driving in an area and someone tells me about their favoriate local repeater...)

But the ONLINE method is the way to go, then APRS can SENSE them without a data base. Please use the /r ICON for consistency...

de WB4APR, Bob

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883. [aprssig] KPC-2 AND KPC-2400

From: John Kraus <jfkraus3@cox.net>
Date: Wed, 31 Jul 2002 12:29:54 -0400
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-92101-2002.07.31-12.07.37--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

I am looking for anyone who has or knows where I can find manuals for the Kantronics KPC-2 and KPC-2400. I am trying to use these with Digi_Ned and getting in and out of KISS is still a problem. However, I can't find a reset point inside like I use with a KPC-3.

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884. [aprssig] Re: Findu new in Raw Packet?

From: "Dick Stanich" <dick@kb7zva.com>
Date: Wed, 31 Jul 2002 11:46:20
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-92102-2002.07.31-12.25.27--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

On 07/31/02, ""Hellmut Landolt" <df5ff@amsat.org>" wrote:
> Hello,

I see that the line with raw packet has a new look. For example in this line:

Raw packet:

DB0KT>APNU18,RELAY,WIDE3-3,DB0GV-2,I,qAS,db0lj:!5029.19N/00916.55E#APRS
WIDE-DIGI Herchenhain 733m ueNN

is inserted   qAS, db0lj: does this show the server which transported
the
frame to findu?

Yes. The codes are explained here:

http://www.digitaldune.net/~ahubwest/Q.html

Dick, KB7ZVA
http://kb7zva.com

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885. [aprssig] Re: Findu new in Raw Packet?

From: Dave Kaplan <dkaplan@steffeninc.com>
Date: Wed, 31 Jul 2002 12:07:47 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-92103-2002.07.31-12.46.35--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

OK, knowing this I have a question.

I have tried to interface Bobs APRSTK in Brents APRS+SA so I inject packets
from ISS and PCSAT into the data stream. I am connected to "second". Is
there a lookup using the "q" construct that would show all packets that
I-gated through WB0WNX?

Dave

At 11:46 AM 7/31/02 +0000, you wrote:
>On 07/31/02, ""Hellmut Landolt" <df5ff@amsat.org>" wrote:
> > Hello,
>
>I see that the line with raw packet has a new look. For example in this
>line:
>
>Raw packet:
>DB0KT>APNU18,RELAY,WIDE3-3,DB0GV-2,I,qAS,db0lj:!5029.19N/00916.55E#APRS
>WIDE-DIGI Herchenhain 733m ueNN
>
>is inserted   qAS, db0lj: does this show the server which transported
>the
>frame to findu?
>
>
>Yes. The codes are explained here:
>
>http://www.digitaldune.net/~ahubwest/Q.html
>
>Dick, KB7ZVA
>http://kb7zva.com
>
>---
>You are currently subscribed to aprssig as: dkaplan@steffeninc.com
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>Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

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Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

886. [aprssig] Re: Findu new in Raw Packet?

From: Steve Dimse <k4hg@tapr.org>
Date: Wed, 31 Jul 2002 14:13:29 -0400
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: TAPR APRS Special Interest Group <aprssig@lists.tapr.org>
Message-ID: <LYR842-92106-2002.07.31-13.52.35--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

> I have tried to interface Bobs APRSTK in Brents APRS+SA so I inject
> packets from ISS and PCSAT into the data stream. I am connected to
> "second". Is there a lookup using the "q" construct that would show
> all packets that I-gated through WB0WNX?
>
No, but it is one of the things I am planning to add to findU. This would take a redesign of the database, I would need to add an IGate field to the raw table and parse the IGate out. Of course, any time one adds a field to a table, the database must be offline. Therefore I won't be doing it at least until the new server is online and functional. (Or if the database crashes and needs to be rebuilt, which has only happened three times, twice for power failures greater than the 40 minutes the UPS can support, and once when the system drive crashed...I have used these opportunities to add fields before.)

If I may take a moment to to give my original vision of this construct...

When I was actively administering the APRS IS, I spenT an inordinate amount of time checking for misconfigurations and tracking down errors. At the end, I was spending 20 hours or more a week on this, and the APRS IS has grown since then. I've often stated that not including trace data in the APRS IS was the biggest error I made in its early planning stages.

I hoped that this q construct would do this, and indeed as originally discussed between Dale, Bob, Bill, and myself this was the plan, but Dale and Pete have chosen not to implement it because of concerns that the bandwidth use would be excessive (though with aliases like 1 for first, the increase would be 5-6%). The benefits would have been an absolute loop prevention method, automated stream monitoring, and automatic APRS IS mapping.

It looks like these dreams are dead, (the TAPR dictum I love to espouse "he who codes, rules" finally came back to bite me ;-) but at least some interesting things will be possible, for instance I should be able to assemble a map of the furthest heard packets from each IGate, though this will need to be done offline rather than as a cgi because of the time involved.

Steve K4HG

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887. [aprssig] Ui-View lat and long problem

From: "Bill Wells W4BOT" <sontag@swva.net>
Date: Wed, 31 Jul 2002 17:16:8
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-92125-2002.07.31-17.55.14--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Am using the 16 bit version of Uiview in normal mode with an MFJ1270C tnc. I enter the lat and long and it displays correctly on the screen and correctly in the info box when clicking on the icon. Other stations do not see me but find my call in the station list at 90 deg and 180 deg. Would appreciate any help anyone has to offer.

vy 73,
Bill

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Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

888. [aprssig] Re: Ui-View lat and long problem

From: Roger Barker <roger@peaksys.co.uk>
Date: Wed, 31 Jul 2002 23:29:41 +0100
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-92145-2002.07.31-18.08.59--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

In article <LYR26954-92125-2002.07.31-17.55.14--roger#peaksys.co.uk@lists.tapr.org>, Bill Wells W4BOT <sontag@swva.net> writes
>Am using the 16 bit version of Uiview in normal mode with an MFJ1270C tnc.
>I enter the lat and long and it displays correctly on the screen and

>correctly in the info box when clicking on the icon. Other stations do not
>see me but find my call in the station list at 90 deg and 180 deg. Would
>appreciate any help anyone has to offer.

1. Tx a posit.

2. Copy the posit you tx'd from the UI-View Terminal window. (Drag mouse
to mark text then Ctrl+C, or drag mouse to mark text then right-click
marked text and select Copy.)

3. Paste it into a message to this list.

It should then be easy for someone to tell you what is going wrong.

--
Roger Barker, G4IDE - roger@peaksys.co.uk
For UI-View go to - http://www.UI-View.com
For WinPack go to - http://www.peaksys.co.uk

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889. [aprssig] Bluetooth GPS

From: Mark Fellhauer <sparkfel@qwest.net>
Date: Wed, 31 Jul 2002 19:28:40 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-92155-2002.07.31-20.08.15--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

I have no info on real availability:

http://www.emtac.com/products/bluetooth/datasheet_btgps.html

Mark
KC7BXS

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Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

890. [aprssig] RS-232 to BlueTooth

From: Mark Fellhauer <sparkfel@qwest.net>
Date: Wed, 31 Jul 2002 19:30:14 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-92156-2002.07.31-20.10.08--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

http://www.blueunplugged.com/main.asp?option=productrange&prodID=156

Mark
KC7BXS

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Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

891. [aprssig] APRSTK + APRSSA = Sat Igate!

From: Dave Kaplan <dkaplan@steffeninc.com>
Date: Wed, 31 Jul 2002 19:46:46 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-92161-2002.07.31-20.26.00--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

I am pleased to report success interfacing Bob's APRSTK and Brent's APRS+SA
so I am now an Igate for ISS and PCSAT.

The Problem:
APRS+SA only allows the program to use one serial port for TNC input. My

MFJ1270B was that serial port. The second serial input is reserved for GPS/Weather etc... I was going to use WINAPRS since it allows two TNC inputs but recent reports indicate the program still has unhandled exceptions. Since I travel for 3-4 days at a time and would not be around to reset the system as needed this was unacceptable.

The Solution:
I wrote Brent and asked him to consider allowing a second TNC on port 2 of APRS+SA. He suggested using KIPSS for the existing TNC and feeding the D7A(G) run by APRSTK to the APRS+SA serial port. KIPSS is provided with APRS+SA and, while it was lacking some documentation, I did get it running (thanks to the SIG) after a few false starts. KIPSS creates a TCP/IP stack connected to the TNC. Any computer on the network can connect to this stack. In my case I only use the one computer running APRS+SA but as far as the program was concerned I was no longer using a serial port. I then split the output of the D7A(G) from the DOS machine running APRSTK and fed just the data out from the radio into the serial input of APRS+SA.

The Results:
Below is a sample of the TNC page from APRS+SA

```
TASCO Radio Modem
AX.25 Level 2 Version 2.0
Release 08/18/98 2Chip ver 1.00
Checksum $F0
MY NOCALL
MYCALL   was NOCALL
PORTO $0000
PORTOUT  was $0000
K:N0ZQR-2>T2QT1X,N0ZQR*,WIDE,WIDE/1:'¦W'l#1v/]"8m}
K:N0ZQR>APRS,WIDE/1:=4213.91NN09701.19W# N0ZQR Ron, Wayne,NE
WB4PGT-2>SWUS0V,RS0ISS*,SGATE,WIDE:'g>□l □[/>
KG4QMI-1>APRS,RS0ISS*:=3610.76N/07628.39W-73 de Ed in Hertford NC/FM-16/QSL
via edwardl@inteliport.com {UISS21}
K:N0VLX-2>T2PQ6Q,N0XBN*,WIDE3-2/1:'}4Wl#V>/]"9+}fred, Norfolk NE
KD4NOQ>HELLO,RS0ISS*:
TC S 1
DTB 3
BUF 1,00145995000,0,0,0,0,0,,09,,09,000600000,0
BUF 0,00145795000,0,0,0,0,0,,09,,09,000600000,0
```

The "K:" indicates the data is from KIPSS. Anything without a ":K" is from the D7A(G). Note KG4QMI-1. Right after I saw this I went to the FINDU page and, thanks to Dale and the new APRSD "q" factor I could see that I was I-Gating.

Raw packet: KG4QMI-1>APRS,RS0ISS*,qAS,WB0WNX:=3610.76N/07628.39W-73 de Ed in Hertford NC/FM-16/QSL via edwardl@inteliport.com {UISS21

Question:
Can anyone tell me what the packet below are:

```
TC S 1
DTB 3
BUF 1,00145995000,0,0,0,0,0,,09,,09,000600000,0
BUF 0,00145795000,0,0,0,0,0,,09,,09,000600000,0
```

Dave
WB0WNX
Sioux City, IA
ISS and PCSAT Igate to the world!

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892. [aprssig] Re: RS-232 to BlueTooth

From: David VanHorn <dvanhorn@cedar.net>
Date: Wed, 31 Jul 2002 20:58:38 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-92163-2002.07.31-21.37.32--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

At 07:30 PM 7/31/2002 -0500, Mark Fellhauer wrote:

>http://www.blueunplugged.com/main.asp?option=productrange&prodID=156

Interesting! Pricey, but interesting.
You'll be seeing my work on there one of these days.
:)

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893. [aprssig] TEST - Please ignore

From: Stan Horzepa <stanzepa@earthlink.net>
Date: Wed, 31 Jul 2002 22:03:49 -0400
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-92164-2002.07.31-21.42.57--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

This is a test. Just ignore it. Thanks.

Stan, WA1LOU, APRSSIG administrator

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894. [aprssig] APRSd Problem

From: "Michael J. Wolthuis" <wolthui3@msu.edu>
Date: Wed, 31 Jul 2002 23:56:19 -0400
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-92181-2002.07.31-23.37.37--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Hello,
I am having a problem with APRSd and I am wondering if anyone else
running it has the same problem.
The version is latest CVS version.

The problem is that when anything is transmitted from APRS IS to RF I
get two extra lines transmitted with it.

For example a packet will go out with the path we use of WIDE,WIDE2-2
and then I will get two lines of path information, but just blank lines.

Almost as though two extra carriage returns are being dropped in
somewhere.

Anyone else see this on their local APRSd or can look at the code and
take a guess why??

Thanks,
Mike Wolthuis
Kb8zgl

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October 2002

Original source file: aprssig.0210
Source: http://ftp.tapr.org/tapr_history/SIG_Archives/aprssig/mail_archive/aprssig.0210

1. [aprssig] RE: Suggestion On Lightning Detector...

```
From: "Bob D." <n2iph@comcast.net>
Date: Tue, 01 Oct 2002 05:54:21 -0400
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-101221-2002.10.01-05.35.42--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain
```

```
An alternative might be to build the lightning detector in QST earlier
this year, May 2002 I think.

73...Bob
N2IPH



---
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```

---

2. [aprssig] Re: What would cause a time-delayed repeat of my track?

```
From: Steve Slay <snslay@swbell.net>
Date: Tue, 01 Oct 2002 06:06:41 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-101222-2002.10.01-06.48.35--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain
```

```
Next time try it without RELAY.
The problem may be caused by a station running the alias of RELAY.


Steve Slay
KC5MVY
Where am I now?  http://www.findu.com/cgi-bin/find.cgi?call=KC5MVY
Where have I been lately?
http://www.findu.com/cgi-bin/track.cgi?call=KC5MVY
With weather RADAR
http://www.findu.com/cgi-bin/find.cgi?call=KC5MVY&radar=LBB

"Only two things are infinite, the universe and human stupidity, and I'm not
sure about the former."    Albert Einstein

----- Original Message -----
From: <KB7ADO@aol.com>
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Sent: Monday, September 30, 2002 6:56 PM
Subject: [aprssig] What would cause a time-delayed repeat of my track?


> Here's the situation.  I live 40 miles north of Vancouver, WA.  Every time
> this month that I have driven down to the Vancouver/Portland area, my
mobile
> station has appeared on the screen in or around the Vancouver area about
3-4
> hours after I have gotten back home and have all the mobile radio gear
turned
> off.  It was showing up on findu.com as well as my home station.  Today
the
> raw packet on findu included a gps time stamp from 3 hours before.  It
showed
> several reports of me moving north on Interstate 5, then stopped about 14
> miles north of Vancouver (I did not.stop for another 6 miles).  It's like
I
> went out of range of someone around Vancouver that can't hear the
> digipeaters, but for some reason is feeding it back into the digipeaters 3
> hours later.
>
> Has someone's tnc somehow captured my call off the air and done a
> substitution?  Is someone taping and then playing back recorded packets
over
> the air, and if so, why am I the only one that seems to be showing up?
Any
> other theories?
```

```
>
> Bob, KB7ADO
>
> ---
> You are currently subscribed to aprssig as: snslay@swbell.net
> To unsubscribe send a blank email to leave-aprssig-842K@lists.tapr.org
> Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org
>


---
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```

3. [aprssig] APRS in Spain and Portugal

From: "VE4HGD Grant" <VE4HGD@mts.net>
Date: Tue, 1 Oct 2002 06:07:12 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-101223-2002.10.01-06.49.03--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

```
I will be travelling in the along the south coast of Span and Portugal this
fall and was wondering if anyone can tell me if the fateways I see are on
144.39 and wheather Canadians or Americans can legally operate in this area

Thanks


---
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```

4. [aprssig] RE: Suggestion On Lightning Detector...

From: "Zachary Grant Michael, KB9UQQ" <zachary.michael@earthlink.net>
Date: Tue, 1 Oct 2002 06:18:28 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-101227-2002.10.01-07.01.12--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

```
Some of the cheaper suggestions I have gotten would be great for the EOC.
The only reason I'm not going that route, is because I specifically
something that interfaces to a computer. I probably should have mentioned
that in my first e-mail. That's why I am looking at the Boltek, because it
interfaces to the computer, and looks to have some nice displaying software,
with lots of features.
73 de kb9uqq
--
Zachary Grant Michael, KB9UQQ
http://www.qsl.net/kb9uqq/


---
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```

5. [aprssig] RE: APRS in Spain and Portugal

From: "Ramon F. Kolb" <ramon@ieee.org>
Date: Tue, 1 Oct 2002 07:35:43 -0400
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-101234-2002.10.01-07.17.38--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

```
Both Spain and Portugal recognize CEPT licenses (called after the CEPT
agreement that allowed inter-country operation for HAM radio in many
European countries). Canada and the USA are also affiliated with CEPT,
so operation while you are on vacation should not be a problem. Although
I haven't been in EA/CT for a while, I am pretty much sure that they are
on 144.800, the pan-European APRS frequency.

As for documentation you should take with you, I'm not sure what you
have, but some kind of paper showing whether you are CEPT class I or II
should be good enough. If you don't have that, I'd just take a copy of
my HAM license. The only time I have ever been asked for my license was
when checking in at a local airport with several handhelds, battery
packs, and HAM rig in my hand luggage. Since then, I have traveled
```

extensively to Europe with all kind of HAM radio and GPS equipment in my hand luggage, and all security has ever been interested in is checking my laptop for drugs and explosive traces.

Some other 2-meter info for Europe in general:
Just be mindful that the 2-m band in Europe only stretches from 144.000-146.000, and that generally, for FM-based operations, a 25 kHz or a 12.5 kHz channel raster is used. For voice operations, most repeaters are between 144.600 and 144.7875 (output) and use a -600 kHz shift. Many also need a 1750 Hz "beep" to be opened, and once open they can be used without PL tones. If you have a US-style handheld, there is often a way to switch to the 12.5 kHz step mode, and you can practice whistling the 1750 Hz tone (which works reasonable well).

Have fun over there!

--Ramón

Ramón F. Kolb, W1/PA3EUG, Boston, MA, USA [FN42KI].
http://beaconet.webhop.org for BEACONet Info !
ICQ-77117744; MSNMGR-legalalien30@hotmail.com

-----Original Message-----
From: bounce-aprssig-24121@lists.tapr.org
[mailto:bounce-aprssig-24121@lists.tapr.org] On Behalf Of VE4HGD Grant
Sent: Tuesday, October 01, 2002 07:07
To: TAPR APRS Special Interest Group
Subject: [aprssig] APRS in Spain and Portugal

I will be travelling in the along the south coast of Span and Portugal this
fall and was wondering if anyone can tell me if the fateways I see are on
144.39 and wheather Canadians or Americans can legally operate in this area

Thanks

---
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To unsubscribe send a blank email to leave-aprssig-842K@lists.tapr.org
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Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

6. [aprssig] RE: Suggestion On Lightning Detector...

From: David VanHorn <dvanhorn@cedar.net>
Date: Tue, 01 Oct 2002 07:31:48 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-101241-2002.10.01-08.13.41--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

The boltek units do work. How, is a question for Bob Boll, bt they do work, with a single sensor. They track the storms within reasonable accuracy.

The simple pulse detector units give no indication of direction or range, just a pulse for each detected stroke, which varies with antenna, mounting height, and the exact schematic, making them somewhat useless. Is that a large stroke 50 miles away, or a small one a mile away?

---
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Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

7. [aprssig] Re: APRS in Spain and Portugal

From: Bob Bruninga <bruninga@usna.edu>
Date: Tue, 1 Oct 2002 09:48:27 -0400 (EDT)
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: TAPR APRS Special Interest Group <aprssig@lists.tapr.org>
Message-ID: <LYR842-101249-2002.10.01-09.30.37--lyris.aprssig#tapr.org@lists.tapr.org>

Rendered body type: text/plain

On Tue, 1 Oct 2002, VE4HGD Grant wrote:

> I will be travelling in the along the south coast of Span and Portugal this
> fall and was wondering if anyone can tell me if the fateways I see are on
> 144.39 and wheather Canadians or Americans can legally operate in this area

Set to 145.825 via W3ADO-1 every afternoon and we whould see you via
PCsat... Oh, depends on when you are traveling. The 4 hour window with 3
passes in it moves earlier about 20 minutes every day... so check before
you leave...

Bob

---
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Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

8. [aprssig] W4GNS

From: "Ronald Reams" <wa4mjf@worldnet.att.net>
Date: Tue, 1 Oct 2002 12:00:55 -0400
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-101258-2002.10.01-11.44.11--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Anyone know subject station. He has had a bulletin
up for many days that 10 meters is open europ (sic).

I don't know whether he thinks he's on a DXCluster or not.
If that is an original call, he maybe forgetful. :-)

Anyhow, by now I think anyone that cares, knows that
10 meters is open to Europe and the bulletin can be discontinued.

73 de Ronnie

---
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Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

9. [aprssig] W4GNS

From: "Ronald Reams" <wa4mjf@worldnet.att.net>
Date: Tue, 1 Oct 2002 12:08:17 -0400
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-101263-2002.10.01-11.58.20--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Help:

Anyone know subject station. He has had a bulletin
up for many days that 10 meters is open europ (sic).

I don't know whether he thinks he's on a DXCluster or not.
If that is an original call, he maybe forgetful. :-)
I can't find station in the eham data base.

Anyhow, by now I think anyone that cares, knows that
10 meters is open to Europe and the bulletin can be discontinued.

73 de Ronnie

---
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10. [aprssig] Re: W4GNS

From: Alex <kr1st@amsat.org>
Date: Tue, 01 Oct 2002 12:38:01 -0400
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: TAPR APRS Special Interest Group <aprssig@lists.tapr.org>
Message-ID: <LYR842-101269-2002.10.01-12.19.02--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Apparently he's running UI-View32 V1.75. Does this version not have a decaying algorithm for bulletins? Perhaps s/he also needs to upgrade to v1.8.

>From the specs, page 73:
<quote>
General bulletins are generally transmitted a few times an hour for a few
hours, and typically contain time sensitive information (such as weather status).
</quote>

His use of a bulletin to announce the band opening seems appropriate to me.

73,
--Alex (KR1ST)

Ronald Reams wrote:
>
> Help:
>
> Anyone know subject station. He has had a bulletin
> up for many days that 10 meters is open europ (sic).

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---

11. [aprssig] Re: What would cause a time-delayed repeat of my track?

From: Bill Vodall - WA7NWP <wa7nwp@yahoo.com>
Date: Tue, 01 Oct 2002 10:38:13 -0700
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-101278-2002.10.01-13.20.09--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

At 06:06 AM 10/1/02 -0500, Steve Slay wrote:
>Next time try it without RELAY.
>The problem may be caused by a station running the alias of RELAY.

RELAY is the standard first digipeater for mobiles.   If there's a problem with a RELAY station, which is very unlikely since it's the simplest digipeat mode there is, we need to track down and fix it.

Visiting the raw data at Findu -

http://www.findu.com/cgi-bin/rawposit.cgi?call=kb7ado-9&start=24&length=24

We get Bob's original packets:

```
-----
KB7ADO-9>APP120,N7QXO-9*,WIDE3-2,qAS,WA7NWP-3:@301935z4543.55N/12239.30W>350/053//A=000213pocketAPRS
v1.20
* KB7ADO-9>APP120,N7QXO-9*,WIDE3-2,qAS,WA7NWP-3:@301937z4545.56N/12239.92W>347/060//A=000322pocketAPRS
v1.20
KB7ADO-9>APP120,RELAY*,WIDE3,qAS,WA7NWP-3:@301938z4546.43N/12240.19W>347/052//A=000292pocketAPRS v1.20
* KB7ADO-9>APP120,N7QXO-9*,WIDE3-2,qAS,WA7NWP-3:@301940z4548.24N/12240.82W>342/056//A=000266pocketAPRS
v1.20
KB7ADO-9>APP120,N7QXO-9*,WIDE3,qAS,WA7NWP-3:@301941z4549.14N/12241.23W>342/058//A=000299pocketAPRS v1.20

-----
```

Then from the end of the display, the two bogus packets show up at the end:

```
-----
KB7ADO-9>APP120,RELAY*,WIDE3-1,qAS,WA7NWP-3:@302038z4608.65N/12253.92W>062/024//A=000052pocketAPRS v1.20

KB7ADO-9>APP120,RELAY*,WIDE3,qAS,WA7NWP-3:@302040z4608.76N/12253.06W>054/024//A=000059pocketAPRS v1.20
  * KB7ADO-9>APP120,RELAY*,WIDE3,qAS,WA7NWP-3:@301937z4545.56N/12239.92W>347/060//A=000322pocketAPRS
v1.20
  * KB7ADO-9>APP120,RELAY*,WIDE3,qAS,WA7NWP-3:@301940z4548.24N/12240.82W>342/056//A=000266pocketAPRS
v1.20
-----
```

Oh oh - looks like my APRD system, WA7NWP-3, is involved.   Digging a little deeper, by checking my archive of timestamped packets received on RF, I find the following packets I've received on RF from Bob.

```
---
0930204214 KB7ADO-9>APP120,RELAY*,WIDE3:@302038z4608.65N/12253.92W>062/024//A=00
```

```
0052pocketAPRS v1.20
0930204425 KB7ADO-9>APP120,RELAY*,WIDE3:@302040z4608.76N/12253.06W>054/024//A=00
0059pocketAPRS v1.20

0930223246 KB7ADO-9>APP120,RELAY*,WIDE3:@301937z4545.56N/12239.92W>347/060//A=00
0322pocketAPRS v1.20

0930223319 KB7ADO-9>APP120,RELAY*,WIDE3:@301940z4548.24N/12240.82W>342/056//A=00
0266pocketAPRS v1.20
```

The bottom two packets were received at 9/30/02 22:32:46 and 22:33:19 They really did come in "over the air" almost 3 hours after being first sent.

Questions for Bob/KB7ADO. Is this using a KPC-3 in the mobile? Were both the Palm computer and KPC turned off long before these packets were sent?

The best idea I have is that these packets might be buffered up in some of the KPC-3's four buffers and sent out later.

73,
Bill - WA7NWP

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12. [aprssig] Re: What would cause a time-delayed repeat of my track?

From: "AE5PL Lists" <HamLists@ametx.com>
Date: Tue, 1 Oct 2002 13:18:12 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-101282-2002.10.01-14.00.08--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Great work, Bill! This is a great example of how APRS-IS and, more specifically, the server and IGate sysops can provide invaluable troubleshooting expertise.

Hope that you find the source of the "old" packets.

73,

Pete Loveall AE5PL
pete@ae5pl.net

> -----Original Message-----
> From: Bill Vodall - WA7NWP [mailto:wa7nwp@yahoo.com]
> Posted At: Tuesday, October 01, 2002 12:40 PM
> Subject: [aprssig] Re: What would cause a time-delayed repeat
> of my track?
>
> Oh oh - looks like my APRD system, WA7NWP-3, is involved.
> Digging a little
> deeper, by checking my archive of timestamped packets
> received on RF, I find the following packets I've received on
> RF from Bob.
>
> The bottom two packets were received at 9/30/02 22:32:46 and
> 22:33:19 They
> really did come in "over the air" almost 3 hours after being
> first sent.
>
> Questions for Bob/KB7ADO. Is this using a KPC-3 in the
> mobile? Were both
> the Palm computer and KPC turned off long before these
> packets were sent?
>
> The best idea I have is that these packets might be buffered
> up in some of the KPC-3's four buffers and sent out later.

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13. [aprssig] Re: What would cause a time-delayed repeat of my track?

From: KB7ADO@aol.com
Date: Tue, 1 Oct 2002 14:31:04 EDT
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-101290-2002.10.01-14.13.00--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

>Questions for Bob/KB7ADO.   Is this using a KPC-3
>in the mobile?   Were both the Palm computer and
>KPC turned off long before these packets were sent?

Yes, I am using a KPC-3+ with 8.3 firmware together with the Palm III and a GPS III+. Everything was off for close to 3 hours when the mysterious packets came over the air.

Bob, KB7ADO

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Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

---

14. [aprssig] Re: Suggestion On Lightning Detector...

From: larry Also <larrytooalso@yahoo.com>
Date: Tue, 1 Oct 2002 11:45:55 -0700 (PDT)
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-101292-2002.10.01-14.27.51--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Long before Storm Scope, we used to use the old Radar Warning Receiver to plot angle to storms, worked great back when it was a direct reading CRT display. Don't remember if it used relative amplitude or time of arrival, but it had four antenas so could be either.

Do you Yahoo!?
New DSL Internet Access from SBC & Yahoo!

---

15. [aprssig] PCsat still holding

From: Bob Bruninga <bruninga@usna.edu>
Date: Tue, 1 Oct 2002 18:05:58 -0400 (EDT)
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-101304-2002.10.01-17.47.54--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

PCsat QST: Please turn off all unattended nightime transmissions.

Having left full sun on Sunday, PCsat is still fully operational without reset and today is passing through 25 minute eclipses on every orbit.

Although I reported a RESET last night during heavy loading over Europe in the dark, one of the many command stations around the world caught it in time and restored it before we lost too much energy. As long as we never let it go a full orbit with a RESET condition, we may be able to keep her in positive power budget for a while...

We are leaving the user digipeater ON because that is what it is up there for, but I would ask that users go easy on her in the dark and please turn off ALL unattended beacons after dark and before sunrise!

Lets see if we can keep her alive a while longer. Would love to make it to full sun again in November...

Normal operations in sunshine are OK...

de WB4APR@amsat.org, Bob

PCsat WEB page   http://www.ew.usna.edu/~bruninga/pcsat.html

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---

16. [aprssig] Weather Stations

From: "Bill Carreira" <n1nfc@hotmail.com>
Date: Tue, 1 Oct 2002 19:19:41 -0400
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-101319-2002.10.01-19.01.34--lyris.aprssig#tapr.org@lists.tapr.org>

Rendered body type: text/plain

```
Hi,
I need some information about what weather stations are compatible with
Win APRS. I am lloking to buy a station but I want to be sure that the
one I get will transmit the required data.

73

Bill

---
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```

17. [aprssig] Re: W4GNS

From: "Jimmy Floyd" <nq4u@bellsouth.net>
Date: Tue, 1 Oct 2002 11:24:10 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-101332-2002.10.01-20.01.40--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

```
Per QRZ.com

W4GNS
Gary N. Scott
4300 Hachett Rd.
Penhook, Va. 24137

e-mail:  ke4mmu@swva.net



Hope this helps.
Jimmy Floyd
NQ4U / NNN0RKO
ARRL ARES DEC District 5 Tn.
ARRL ARES   EC    Coffee County Tn.
http://home.bellsouth.net/p/PWP-nq4u
www.tnarrl.org
www.qsl.net/mtars


----- Original Message -----
From: "Ronald Reams" <wa4mjf@worldnet.att.net>
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Sent: Tuesday, October 01, 2002 11:08 AM
Subject: [aprssig] W4GNS


> Help:
>
>
> Anyone know subject station.  He has had a bulletin
> up for many days that 10 meters is open europ (sic).
>
> I don't know whether he thinks he's on a DXCluster or not.
> If that is an original call, he maybe forgetful.  :-)
> I can't find station in the eham data base.
>
> Anyhow, by now I think anyone that cares, knows that
> 10 meters is open to Europe and the bulletin can be discontinued.
>
> 73 de Ronnie
>
> ---
> You are currently subscribed to aprssig as: nq4u@bellsouth.net
> To unsubscribe send a blank email to leave-aprssig-842K@lists.tapr.org
> Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org
>
>

---
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Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org
```

18. [aprssig] Re: What would cause a time-delayed repeat of my track?

From: Jeff King <jeff@aerodata.net>
Date: Tue, 1 Oct 2002 21:02:50 -0400
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-101335-2002.10.01-20.45.29--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

```
Seems like I recently rented a movie that explained all about this. I think
it was called "Frequency" and those guys QSO's where delayed 30 years.
Something about the aurora?

;-)

.
--
Jeff King, jeff@aerodata.net on 10/01/2002


On Mon, 30 Sep 2002 19:56:56 EDT, KB7ADO@aol.com wrote:
>Here's the situation.  I live 40 miles north of Vancouver, WA.
>Every time
>this month that I have driven down to the Vancouver/Portland area,
>my mobile
>station has appeared on the screen in or around the Vancouver area
>about 3-4
>hours after I have gotten back home and have all the mobile radio
>gear turned
>off.



---
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```

19. [aprssig] NOSaprs 1.15b (BETA) - Now gates POS/STAT from APRS IS to RF

From: Maiko Langelaar <maiko@langelaar.net>
Date: Tue, 1 Oct 2002 19:22:20 -0700
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-101340-2002.10.01-22.04.17--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

```
Greetings,

I'm pleased to release a patch of my Beta release 1.15b for
the NOSaprs software. Anyone running release 1.12.1 or higher
can use this patch. Enhancements are summarized below :

1) NOSaprs can now gate Position and/or Status information from
   the APRS Internet System (IS) to RF. Gating is controlled by
   two callsign or callsign pattern lists, which let the sysop
   control FROM which callsigns or callsign patterns, Position
   and/or Status information is to be gated to the RF side.

2) The APRS Message Center is alot more user friendly in the
   sense that it gives the client a better idea as to whether
   the intended recipient is there (on frequency) or not.

3) A few *bug* fixes.

What is NOSaprs ? In short, it's an APRS Server/Igate bolt-on
to JNOS and TNOS systems, allowing the sysops of those systems
to support their local APRS users, using their existing radios
and other infrastructure, without the need to setup separate
boxes or radios, etc. Complete information can be found at
the website below ...

For the 1.15b update kit (patch), plus more detailed upgrade notes
about the new features above, as well as documentation, and other
stuff, please visit my NOSaprs website at the URL below :

   http://www.qsl.net/ve4klm/packet/aprss.html

Got questions or ideas ? Need help ? Feel free to give me a shout.

Best regards,

Maiko Langelaar / VE4KLM
```

```
---
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Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org
```

20. [aprssig] Re: What would cause a time-delayed repeat of my track?

From: Steve Slay <snslay@swbell.net>
Date: Tue, 01 Oct 2002 22:50:41 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-101344-2002.10.01-23.32.49--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

```
> RELAY is the standard first digipeater for mobiles.   If there's a
> problem with a RELAY station, which is very unlikely since it's the
> simplest digipeat mode there is, we need to track down and fix it.

Do not discount the ramifications of the simple things when they are not
working correctly.
Especially when it is a simple thing to try running the TNC without RELAY in
the unproto path to see if different results are achieved.

I have seen the results of a KPC3+ TNC with the wrong setting for the
squelch ( I do not have one so I don't know exactly what the command is).
It has to do with setting the TNC to use the radio's squelch circuit and
then running the radio un-squelched or something like that.
In other words, the TNC is not set for DCD.

Anyway, the TNC buffers outgoing packets while it waits for a quiet time on
the air.
When the TNC finally hears  a quiet time on the air it DUMPS it's buffer.
This DUMP can last for a couple of minutes.

This could be the source of old packets.
If there is a station with this type of configuration error, and it has an
alias of RELAY it could very well be the culprit.

So..... TRY your TNC without RELAY in the unproto path and see what happens.
Then go from there.
Just a suggestion.

Steve Slay
KC5MVY
Where am I now?  http://www.findu.com/cgi-bin/find.cgi?call=KC5MVY
Where have I been lately?
http://www.findu.com/cgi-bin/track.cgi?call=KC5MVY
With weather RADAR
http://www.findu.com/cgi-bin/find.cgi?call=KC5MVY&radar=LBB

"Only two things are infinite, the universe and human stupidity, and I'm not
sure about the former."    Albert Einstein

----- Original Message -----
From: "Bill Vodall - WA7NWP" <wa7nwp@yahoo.com>
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Sent: Tuesday, October 01, 2002 12:38 PM
Subject: [aprssig] Re: What would cause a time-delayed repeat of my track?


> At 06:06 AM 10/1/02 -0500, Steve Slay wrote:
> >Next time try it without RELAY.
> >The problem may be caused by a station running the alias of RELAY.
>
> RELAY is the standard first digipeater for mobiles.   If there's a
> problem with a RELAY station, which is very unlikely since it's the
> simplest digipeat mode there is, we need to track down and fix it.
>


---
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```

21. [aprssig] Re: Suggestion On Lightning Detector...

From: "Mark Fellhauer" <sparkfel@qwest.net>
Date: Wed, 02 Oct 2002 02:57:54 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-101356-2002.10.02-03.40.15--lyris.aprssig#tapr.org@lists.tapr.org>

Rendered body type: text/plain

At 01:45 PM 10/1/02, larry Also wrote:

>Long before Storm Scope, we used to use the old Radar Warning Receiver to plot angle to storms, worked great back when it was a direct reading CRT display. Don't remember if it used relative amplitude or time of arrival, but it had four antenas so could be either.
>

A lot of people think Doppler Radar is a newfangled invention that the NWS added to the general technical repertoire a decade or two ago, but if you look back to the original radar patents of 1917 or so, R.A. Watson-Watt of England was using it originally to locate meterological disturbances (storms) back then. I think he stole the idea from some Italians who were doing it a few years before him, but didn't bother to patent the idea. I think it was Watson-Watt who also discovered/verified the ionosphere (with radar)...or at least gets credit for it.

A few of the storm chasers around these parts are putting marine radar on their chase vehicles. I dunno if the FCC approves of that or not...it seems to depend on who you talk to.

Goodrich Aviation is now the pipeline for the Stormscope. It used to be 3M.

http://www.goodrichavionics.com/docs/weather.html

A description of the National Lightning Detection Network.

http://www.lightningstorm.com/ls2/discover/nldn/index.jsp

They also sell a real-time lightning tracking internet subscription for just under $400 a year. Ouch. It looks like they steal (err...borrow?) MapQwest maps.

They also sell lightning direction/detection hardware. No prices listed. If you have to ask you can't afford it...

73,

Mark
KC7BXS

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To unsubscribe send a blank email to leave-aprssig-842K@lists.tapr.org
Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

22. [aprssig] MSDN GPS for CE

From: "Bob D." <n2iph@comcast.net>
Date: Wed, 02 Oct 2002 04:44:20 -0400
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-101358-2002.10.02-04.26.20--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

The following links to Microsoft's MSDN web site and to an article about developing an application (downloads provided) to monitor your GPS on a WindowsCE device. Thought it might be of interest so passing it along.

http://msdn.microsoft.com/msdnmag/issues/01/01/GPS/GPS.asp

73...Bob
N2IPH

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Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

23. [aprssig] How to get NMEA data through a Basic Stamp (Written by Andrew Rich VK4TEC)

From: "Andrew Rich" <andrew.rich@bigpond.com>
Date: Wed, 2 Oct 2002 22:10:11 +1000
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-101368-2002.10.02-07.52.14--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

```
'-------------------------------------------------------------------------------------
const:          lat var byte(8)
                        long var byte(9)
                        ns var byte
                        ew var byte
                        cov var byte
                        y var byte
'-------------------------------------------------------------------------------------
test:                   for y = 1 to 3
                        high 12
                        pause 100
                        low 12
                        pause 100
                        next
'-------------------------------------------------------------------------------------
ping:                   'serin 1,188+$4000,[wait ("PING"),str long\9,str ns\1]
                        'serout 4,16576,["AT+CMGS=",34,str long\9,str ns\1,34,cr]
'-------------------------------------------------------------------------------------
testgps:                serin 2,188+$4000,5000,gpsfail,[wait("$GPRMC"),skip 1,str lat\6]
                        serout 4,16576,["GPS: ",str lat\6]
                        serin 2,188+$4000,5000,gpsfail,[wait("$GPRMC"),skip 8,str cov\1]
                        low 10
                        if cov = "V" then nosats
                        if cov = "A" then sats
                        goto ping
'-------------------------------------------------------------------------------------
sats:                   low 8
                        low 10
                        high 12
                        serin 2,188+$4000,5000,gpsfail,[wait("$GPRMC"),skip 8,str cov\1, skip 1,str
lat\8,skip 1,str ns\1,skip 1,str long\9,skip 1,str
ew\1]
                        serout 4,16576,[" Position: ",str lat\8,str ns\1," ",str long\9, str ew\1,"
",cr]
                        goto ping
'-------------------------------------------------------------------------------------
nosats:         low 8
                        low 12
                        high 10
                        serout 4,16576,[" Position: Searching....",cr]
                        goto ping
'-------------------------------------------------------------------------------------
gpsfail:                low 10
                        low 12
                        high 8
                        serout 4,16576,["GPS: Failed",cr]
                        goto ping
'-------------------------------------------------------------------------------------
```

Andrew Rich
VK4TEC

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To unsubscribe send a blank email to leave-aprssig-842K@lists.tapr.org
Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

24. [aprssig] APRS LINUX Perl Help Needed

From: "Andrew Rich" <andrew.rich@bigpond.com>
Date: Thu, 3 Oct 2002 01:38:22 +1000
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-101377-2002.10.02-11.20.28--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Wondering if someone can give me a hand,

+ Returns connection refused.
+ Netstat on the receiver shows no port 3000 listening.
+ What am I up against ?

```
#!/usr/bin/perl -w
use strict;
use IO::Socket;
my $sock = IO::Socket::INET-> new(
LocalAddr => 'localhost',
LocalPort => 3000,
Proto => 'tcp',
Listen => 1,
Reuse => 1,
);
die "$!" unless $sock;
my $client;
while ( $client = $sock->accept())
{
print $_;
}
close ($sock);
```

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Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

25. [aprssig] Power for a Temporary Mobile APRS Station

From: Ralph Milnes <milnes1@rcn.com>
Date: Wed, 02 Oct 2002 12:30:56 -0400
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-101382-2002.10.02-12.12.45--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

I need to get power to a temporary APRS tracker (5 hours) that I want to put in a car I don't normally use.

I want to use a mobile rig -- 50 watts out -- for best possible coverage. The cigarette lighter won't let me do that, so I'm thinking of bringing a gel cell battery.

But I'm wondering about the pluses and minuses (mostly safety issues) of attaching a temporary power cable -- fused, of course -- to the vehicles's battery and running it out the back of the hood and into the passenger window. Easy hook up is an objective. Would clip leads work, or is that asking for trouble?

73,

Ralph KC2RLM

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Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

26. [aprssig] Re: Power for a Temporary Mobile APRS Station

From: David VanHorn <dvanhorn@cedar.net>
Date: Wed, 02 Oct 2002 11:37:55 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-101384-2002.10.02-12.21.09--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

At 12:30 PM 10/2/2002 -0400, Ralph Milnes wrote:
>I need to get power to a temporary APRS tracker (5 hours) that I want to put in a car I don't normally use.
>
>I want to use a mobile rig -- 50 watts out -- for best possible coverage. The cigarette lighter won't let me do that, so I'm thinking of bringing a gel cell battery.

I don't know why, that's only about 8A.

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To unsubscribe send a blank email to leave-aprssig-842K@lists.tapr.org
Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

27. [aprssig] Re: Power for a Temporary Mobile APRS Station

From: James Jefferson <jjeffers@aprsworld.net>
Date: Wed, 2 Oct 2002 11:46:05 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-101385-2002.10.02-12.26.18--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

I agree with Dave on this. At a bicycle race this summer I ran 6 D700's off the cigarette lighters. Absolutely no problems. Most vehicles these days have 20 amp "accessory" sockets anyhow.

If you do you a gel cell battery in back, don't use aligator clips. Just get some crimp connectors for $0.59. Aligator clips are just asking to pop off whenever the car goes over a bump.

-Jim KB0THN

> >I want to use a mobile rig -- 50 watts out -- for best possible coverage.
> > The cigarette lighter won't let me do that, so I'm thinking of bringing a
> > gel cell battery.
>
> I don't know why, that's only about 8A.

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Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

28. [aprssig] Re: APRS LINUX Perl Help Needed

From: "Curt Mills, WE7U" <hacker@tc.fluke.com>
Date: Wed, 2 Oct 2002 09:46:34 -0700 (PDT)
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: TAPR APRS Special Interest Group <aprssig@lists.tapr.org>
Message-ID: <LYR842-101386-2002.10.02-12.28.39--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

On Thu, 3 Oct 2002, Andrew Rich wrote:

> Wondering if someone can give me a hand,
>
> + Returns connection refused.
> + Netstat on the receiver shows no port 3000 listening.
> + What am I up against ?
>
> #!/usr/bin/perl -w

Take a look at aprsdPERL. It has a listening port that spawns off children as clients attach:

http://www.eskimo.com/~archer

will get you to the main page, then go to the ftp site link (on the left) and scrounge around for it. There's isn't a lot on the ftp site so you should find it quickly. It might get you up and running quickly by borrowing code or ideas. It's GPL'ed.

Problems with it: If clients connect/disconnect from it on a regular basis (like my quake and water gauge scripts do). It likes to spawn off too many children and not kill them when disconnects occur. Just a warning. I haven't gone back in to debug that problem yet. I run it from a shell script that starts it up again in case it dies also.

--
Curt Mills, WE7U   hacker_NO_SPAM_@tc.fluke.com
Senior Methods Engineer/SysAdmin
"Lotto: A tax on people who are bad at math!"
"Windows: Microsoft's tax on computer illiterates!" -- WE7U
"The world DOES revolve around me: I picked the coordinate system!"

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To unsubscribe send a blank email to leave-aprssig-842K@lists.tapr.org

Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

---

29. [aprssig] Re: Power for a Temporary Mobile APRS Station

From: bherrman@spro.net
Date: Wed, 2 Oct 2002 10:49:50 -0600
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-101387-2002.10.02-12.31.53--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

> I want to use a mobile rig -- 50 watts out -- for best possible
> coverage.
> The cigarette lighter won't let me do that, so I'm thinking of
> bringing a
> gel cell battery.

One thing we've found with several years of doing a bike race where the trackers are on rental vehicles is that you can feed a gel cell from a cigarette lighter or power outlet as long as you limit the current.

We found that the big Radio Shack RFI filter has the non-published effect of limiting charge current to <10A which works with most cigarette lighters. I don't have the part number handy, but can look it up tonight. One caution is that you want to provide a way of telling that you are actually getting charge current as otherwise the gel cell will mask a loss of vehicle power.

Bill

---
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To unsubscribe send a blank email to leave-aprssig-842K@lists.tapr.org
Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

---

30. [aprssig] Re: Weather Stations

From: Ken Brown <W2KB@compuserve.com>
Date: Wed, 2 Oct 2002 13:02:16 -0400
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-101388-2002.10.02-12.44.24--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

>> I need some information about what weather stations are compatible with Win APRS. I am lloking to buy a station but I want to be sure that the one I get will transmit the required data. <<

If you download and install the latest version of WinAPRS, V. 2.6.1 June 1002, the weather station configuration dropdown menu contains a list of supported wx stations.

NOTE, however, that the option that first appeared in v. 2.6.1 that allows a weather datafile written to be transmitted, thus allowing any weather software (such as Weather Display) that creates a data file to be used, presently does not work. Mark and Keith need to make a slight change to the distribution version of the software to let it read the data file. It presently generates a port not found error message if you select this option, rather than one of the hardware weather stations.

Once this feature is working, virtually any weather station can be used. I have a Rainwise MKIII station and Weather Display software which generates the correct datafile. However, until the authors of WinAPRS correct the bug, it can't be transmitted on the air. Data from my station that appears on findu gets there from Weather Display's ability to dial up an internet connection periodically and upload the current datafile to the wx server.

73,

---Ken   W2KB@ARRL.net   VC-NJ   KofC DGK 10627

---
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Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

---

31. [aprssig] Re: Power for a Temporary Mobile APRS Station

From: David VanHorn <dvanhorn@cedar.net>
Date: Wed, 02 Oct 2002 12:11:59 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>

Message-ID: <LYR842-101389-2002.10.02-12.53.49--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

At 11:46 AM 10/2/2002 -0500, James Jefferson wrote:
>I agree with Dave on this. At a bicycle race this summer I ran 6 D700's off
>the cigarette lighters. Absolutely no problems. Most vehicles these days have
>20 amp "accessory" sockets anyhow.
>
>If you do you a gel cell battery in back, don't use aligator clips. Just get
>some crimp connectors for $0.59. Aligator clips are just asking to pop off
>whenever the car goes over a bump.

They ignite well too.

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Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

---

32. [aprssig] Write

From: Stan Horzepa <stanzepa@earthlink.net>
Date: Wed, 02 Oct 2002 18:41:05 -0400
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-101401-2002.10.02-18.23.15--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

TAPR members:

Here is your chance to become rich and famous! Well, maybe not rich, but certainly famous.

The editorial board of Packet Status Register (PSR, TAPR�s quarterly newsletter) is now soliciting articles, news items, etc. for the next issue of the newsletter. Topics related to digital Amateur Radio will be given preference and the editorial board reserves the right to determine what is suitable for publication.

E-mail your contributions to wa1lou@tapr.org ASAP because the deadline for the next issue of the newsletter is October 24.

73,

Stan Horzepa, WA1LOU, PSR Editor

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Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

---

33. [aprssig] Re: Power for a Temporary Mobile APRS Station

From: "Dr. Jose E. Quintanilla" <ad6eu@gte.net>
Date: Wed, 02 Oct 2002 16:44:05 -0700
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: TAPR APRS Special Interest Group <aprssig@lists.tapr.org>
Message-ID: <LYR842-101440-2002.10.02-19.26.10--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

This is exactly what our RACES group uses every year for the Baker to Vegas Relay Race. Since we use a rental vehicle, we have to mount all the radios to the follow vehicle hours prior to the beginning of the race. We run at least 3 cables (black and red) AWG 10 from the battery out to the back of the hood and then into the cabin. We connect each cable to the battery with a big alligator clamp (Radio Shack has it, I don't have the model number handy), they are big enough to withstand any movement or vibration of the car. We use one cable for the 2 meters radio, full power. Another for the APRS box (radio 50W, TNC and GPS) and the other wire we connect an amplifier with a cd player and cassette player. Of course, all the leads are fused. We have been using this set up for years without any safety problem.

73s de Jose

Ralph Milnes wrote:

>
> But I'm wondering about the pluses and minuses (mostly safety issues)
> of attaching a temporary power cable -- fused, of course -- to the

> vehicles's battery and running it out the back of the hood and into
> the passenger window. Easy hook up is an objective. Would clip leads
> work, or is that asking for trouble?
>
> 73,
>
> Ralph KC2RLM
>
>
>
> ---
> You are currently subscribed to aprssig as: AD6EU@GTE.NET
> To unsubscribe send a blank email to leave-aprssig-842K@lists.tapr.org
> Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org
>
>

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Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

---

34. [aprssig] Re: Power for a Temporary Mobile APRS Station

From: Ralph Milnes <milnes1@rcn.com>
Date: Wed, 02 Oct 2002 20:57:01 -0400
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-101456-2002.10.02-20.38.55--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Thank you all for your ideas.

Dave corrected a mis-conception that the cigarette lighter receptacle won't
work. So, I'll make up one cable for that.

I'll also make up a cable to clip to the battery leads.

73,

Ralph KC2RLM

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Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

---

35. [aprssig] Re: Power for a Temporary Mobile APRS Station

From: "Gregg G. Wonderly" <gregg@skymaster.cytetech.com>
Date: Wed, 02 Oct 2002 20:03:55 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: TAPR APRS Special Interest Group <aprssig@lists.tapr.org>
Message-ID: <LYR842-101457-2002.10.02-20.45.51--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

>Thank you all for your ideas.
>
>Dave corrected a mis-conception that the cigarette lighter receptacle won't
>work. So, I'll make up one cable for that.
>
>I'll also make up a cable to clip to the battery leads.

The typical problem with the cigarette lighter is that you can hear the
alternator in the transmitted signal from radios connected such. Newer
vehicles have an accessory plug which is often switched by the ignition and in
some cases goes directly to the battery with a higher amp fuse. Check your
vehicles manual for specifics, and be prepared to deal with the alternator
whine...

-----
gregg@cytetech.com (Cyte Technologies Inc)

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Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

36. [aprssig] Re: Power for a Temporary Mobile APRS Station

From: "Wes Johnston" <kd4rdb@netzero.com>
Date: Wed, 2 Oct 2002 21:15:23 -0400
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-101459-2002.10.02-20.57.32--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Just 'cause it's worth bringing up.... radio shack sells a cigarette lighter
plug with 3/4" spaced binding posts on it...

Wes

----- Original Message -----
From: "Ralph Milnes" <milnes1@rcn.com>
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Sent: Wednesday, October 02, 2002 8:57 PM
Subject: [aprssig] Re: Power for a Temporary Mobile APRS Station

> Thank you all for your ideas.
>
> Dave corrected a mis-conception that the cigarette lighter receptacle
won't
> work. So, I'll make up one cable for that.
>
> I'll also make up a cable to clip to the battery leads.
>
> 73,
>
> Ralph KC2RLM
>
>
>
> ---
> You are currently subscribed to aprssig as: kd4rdb@netzero.com
> To unsubscribe send a blank email to leave-aprssig-842K@lists.tapr.org
> Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org
>
>

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To unsubscribe send a blank email to leave-aprssig-842K@lists.tapr.org
Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

37. [aprssig] Official Waypoint Generator software release

From: "Jason Rausch" <ke4nyv@msn.com>
Date: Wed, 2 Oct 2002 20:59:54
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-101486-2002.10.02-21.41.54--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

I have finally finished a small program that will generate a NMEA formatted
$GPWPL string and send it to the GPS. All you have to enter is the
Waypoint's name (up to 6 characters) and the Lon/Lat, generate the string
and send it. I also put in a small function to save the strings to a .wpl
file, but this still needs some work.

You can get this from my site at http://www.ke4nyv.com then click the
Software Page link. Click on WPGenv10.zip

Any suggestions and/or comments are welcomed.

73's
Jason KE4NYV
www.ke4nyv.com

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To unsubscribe send a blank email to leave-aprssig-842K@lists.tapr.org
Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

38. [aprssig] APRS Clinic in Western Washington

From: "David Swartz" <David@swartzfamily.org>
Date: Wed, 2 Oct 2002 20:54:10 -0700
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-101492-2002.10.02-23.36.18--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Hams in Western Washington,

The Federal Way Amateur Radio Club will be holding an APRS clinic on October 19. This clinic will be for beginning users of APRS. All are welcome to to attend. For more information see our web page at www.fwarc.org . Experts come give us some pointers. Beginners get on the air.

73's
The Federal Way Amateur Radio Club, WA7FW

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To unsubscribe send a blank email to leave-aprssig-842K@lists.tapr.org
Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

39. [aprssig] APRS Clinic in Western Washington

From: <kc7rrh@arrl.net>
Date: Wed, 2 Oct 2002 20:58:38 -0700
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-101493-2002.10.02-23.40.44--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Hams in Western Washington,

The Federal Way Amateur Radio Club will be holding an APRS clinic on October
19. This clinic will be for beginning users of APRS. All are welcome to to attend. For more information see our web page at www.fwarc.org . Experts come give us some pointers. Beginners get on the air.

73's
The Federal Way Amateur Radio Club, WA7FW

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To unsubscribe send a blank email to leave-aprssig-842K@lists.tapr.org
Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

40. [aprssig] Re: MSDN GPS for CE

From: "Mark Fellhauer" <sparkfel@qwest.net>
Date: Wed, 02 Oct 2002 23:05:57 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-101495-2002.10.02-23.48.04--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

At 03:44 AM 10/2/02, Bob D. wrote:
>The following links to Microsoft's MSDN web site and to an article
>about developing an application (downloads provided) to monitor your
>GPS on a WindowsCE device. Thought it might be of interest so passing
>it along.

Interesting article. Thanks for posting the link.

The included download for GPSboy seems to have a flaw, at least in the PC version. I loaded it and hooked it up to my Rand McNally GPS engine. Lock was quick and it started grabbing data. Lat and Lon are displayed properly on the main screen. When I hit the map button (I have a wireless network which works fine in the yard) it pulls up a map, but the longitude never strays from 111 degrees (which I think is the author's location). The lattitude is updated just fine.

I have not tested the Win CE version as I have no serial adapter for my Pocket PC (yet).

73,

Mark
KC7BXS

You are currently subscribed to aprssig as: lyris.aprssig@tapr.org
To unsubscribe send a blank email to leave-aprssig-842K@lists.tapr.org
Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

---

41. [aprssig] Re: Power for a Temporary Mobile APRS Station

From: Matthew.Cook@tekelek.com.au
Date: Thu, 3 Oct 2002 16:38:36 +0930
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-101549-2002.10.03-02.50.54--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

I am not sure about Cigarette lighter sockets in American made cars but alot of European/Japanese/Korean cars have a heat anticipator built into the socket. These are a series resistor which heats up when the lighter is depressed and increases the sensitivity of the bi-metalic strip which kicks the lighter out when it is red hot.   Drawing 5-10A through one of these is enough to cook the socket and start melting plastic.   Having burnt out a number of cig-sockets from assorted 4WD's and sedans I am very wary of using the cig-socket.   Accessory sockets on the other hand I have never had a problem with.

If you do try to use a cig-socket and the plug becomes warm/hot to touch after a reasonable over (2-4min) then you can be sure there is a heat anticipator in your cig-socket.

Matthew
VK5ZMC

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To unsubscribe send a blank email to leave-aprssig-842K@lists.tapr.org
Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

---

42. [aprssig] Re: APRS LINUX Perl Help Needed

From: "Andrew Rich" <andrew.rich@bigpond.com>
Date: Thu, 3 Oct 2002 19:37:32 +1000
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-101559-2002.10.03-05.19.35--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Found the probelm, thanks, I now have two linux machines TCP'ing away !

Cool

-----Original Message-----
From: bounce-aprssig-30130@lists.tapr.org
[mailto:bounce-aprssig-30130@lists.tapr.org]On Behalf Of Curt Mills,
WE7U
Sent: Thursday, 3 October 2002 02:47
To: TAPR APRS Special Interest Group
Cc: TAPR APRS Special Interest Group
Subject: [aprssig] Re: APRS LINUX Perl Help Needed

On Thu, 3 Oct 2002, Andrew Rich wrote:

> Wondering if someone can give me a hand,
>
> + Returns connection refused.
> + Netstat on the receiver shows no port 3000 listening.
> + What am I up against ?
>
> #!/usr/bin/perl -w

Take a look at aprsdPERL. It has a listening port that spawns off children as clients attach:

    http://www.eskimo.com/~archer

will get you to the main page, then go to the ftp site link (on the left) and scrounge around for it. There's isn't a lot on the ftp site so you should find it quickly. It might get you up and running quickly by borrowing code or ideas. It's GPL'ed.

Problems with it: If clients connect/disconnect from it on a regular basis (like my quake and water gauge scripts do). It likes to spawn off too many children and not kill them when disconnects occur. Just a warning. I haven't gone back in to debug that problem yet. I run it from a shell script that starts it up again in case it dies also.

--
Curt Mills, WE7U hacker_NO_SPAM_@tc.fluke.com
Senior Methods Engineer/SysAdmin
"Lotto: A tax on people who are bad at math!"
"Windows: Microsoft's tax on computer illiterates!" -- WE7U
"The world DOES revolve around me: I picked the coordinate system!"

You are currently subscribed to aprssig as: andrew.rich@bigpond.com
To unsubscribe send a blank email to leave-aprssig-842K@lists.tapr.org
Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

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Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

---

43. [aprssig] Re: Power for a Temporary Mobile APRS Station

From: "wes johnston" <wes@johnston.net>
Date: Thu, 3 Oct 2002 08:11:41 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-101576-2002.10.03-07.55.50--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

My dodge truck has a power outlet and a cig lighter outlet. You are probably right about the anticipator. The 'power outlet' won't hold a cigarette lighter in the "locked in and on" position due to the bimetalic strip missing. I never considered that a cigarette lighter outlet would be different than a power outlet.... thanks for the tip.

Wes

----- Original Message -----
From: <Matthew.Cook@tekelek.com.au>
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Sent: Thursday, October 03, 2002 2:08 AM
Subject: [aprssig] Re: Power for a Temporary Mobile APRS Station

>
> I am not sure about Cigarette lighter sockets in American made cars but
> alot of European/Japanese/Korean cars have a heat anticipator built into
> the socket. These are a series resistor which heats up when the lighter
is
> depressed and increases the sensitivity of the bi-metalic strip which
kicks
> the lighter out when it is red hot. Drawing 5-10A through one of these
is
> enough to cook the socket and start melting plastic. Having burnt out a
> number of cig-sockets from assorted 4WD's and sedans I am very wary of
> using the cig-socket. Accessory sockets on the other hand I have never
> had a problem with.
>
> If you do try to use a cig-socket and the plug becomes warm/hot to touch
> after a reasonable over (2-4min) then you can be sure there is a heat
> anticipator in your cig-socket.
>
> Matthew
> VK5ZMC

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---

44. [aprssig] IGate Contact Info

From: Greg Noneman <greg@clubnet.net>
Date: Thu, 3 Oct 2002 07:42:38 -0700
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-101594-2002.10.03-10.24.38--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

I am lacking contact info for the following IGates:

aprshhw.dyndns.org
gw.officine.it
marconi.ece.cmu.edu

Could the sysops for these IGates please respond off-list so I can get your email addresses.

Thanks,

Greg
WB6ZSU
second.aprs.net

---

45. [aprssig] Re: Tripmate and COM port?

From: "Hare,Ed, W1RFI" <w1rfi@arrl.org>
Date: Thu, 3 Oct 2002 17:17:29 -0400
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-101625-2002.10.03-16.59.33--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

> > I would suggest trying your set up using Hyper Terminal.
> > If you get the same garbage in Hyper terminal then at least you know
> > it is not your basic program.

Just as a followup, the darn thing was broken. :-(It was a little-used unit, but had sat around HQ for a few years. For whatever reason, it truly was spewing out garbage. If anyone has one with a broken case, it might be a good parts unit. Just don't use the PC board for anything other than a lopsided frisbee. :-)

I finally got a new Garmin unit and everything is working just fine. It, too, gave me a few fits talking to the com port, but I managed to work around the problems. To those who know Basic, when I OPEN COM'd the port, most of the time, though the GPS was spewing out data, it wouldn't return loc(1) to indicate that it had bytes ready to be read. So the input$ didn't give me anything. So, I got down and dirty and right in Basic, did a inp(portaddr+5) to check the status bit, then inp(portaddr) for the data when it was ready. Worked like a champ, even at 9600 baud, as long as I was tight with the speed of the code (integers, check for > or IF/NOT instead of =, etc). But about 10% of the time, when I started the program, the com port either started to dump bytes into the buffer, or had some, loc(1) came true and the inp(portaddr) stuff was missing most of the characters. Darndest thing I ever saw.

My guess is that either Windows is doing something for a few milliseconds that turned on the port and stuff got put in the buffer, or, the TTL-level NMEA signals were right on the hairy edge of the voltages my laptop com port wanted to see. But I opened the program with a write to the appropriate control register to turn off handshaking, then did a quick check for loc(1). If true, I read whatever was in the buffer to a temporary variable, then with the handshaking turned off, the buffer stayed empty and the inp(port) stuff worked flawlessly. I guess that will teach me to try to use Basic to do anything in a Windows environment. :-) But, other than this, it was easy code and will be understood by most programmers, though some may have to dust off their Basic. :-)

If anyone is having a similar com port problem, I will gladly send them the snippet of code that solved my problem. Email me at w1rfi@aol.com, so I don't have to send the stuff to this address from home.

73,

Ed Hare, W1RFI
ARRL Lab
225 Main St
Newington, CT 06111
Tel: 860-594-0318
Internet: w1rfi@arrl.org
Web: http://www.arrl.org/tis

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---

46. [aprssig] Re: Tripmate and COM port?

From: David VanHorn <dvanhorn@cedar.net>
Date: Thu, 03 Oct 2002 16:24:25 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-101626-2002.10.03-17.06.33--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

At 05:17 PM 10/3/2002 -0400, Hare,Ed, W1RFI wrote:
>> > I would suggest trying your set up using Hyper Terminal.
>> > If you get the same garbage in Hyper terminal then at least you know
>> > it is not your basic program.
>
\>Just as a followup, the darn thing was broken. :-(It was a
\>little-used unit, but had sat around HQ for a few years. For
\>whatever reason, it truly was spewing out garbage. If anyone
\>has one with a broken case, it might be a good parts unit.
\>Just don't use the PC board for anything other than a
\>lopsided frisbee. :-)

Isn't development FUN?

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---

47. [aprssig] Re: Tripmate and COM port?

From: "Gregg G. Wonderly" <gregg@skymaster.cytetech.com>
Date: Thu, 03 Oct 2002 16:31:54 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: TAPR APRS Special Interest Group <aprssig@lists.tapr.org>
Message-ID: <LYR842-101628-2002.10.03-17.14.01--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

>> > I would suggest trying your set up using Hyper Terminal.
>> > If you get the same garbage in Hyper terminal then at least you know
>> > it is not your basic program.=20
>
\>Just as a followup, the darn thing was broken. :-(It was a=20
\>little-used unit, but had sat around HQ for a few years. For=20
\>whatever reason, it truly was spewing out garbage. If anyone=20
\>has one with a broken case, it might be a good parts unit.=20
\>Just don't use the PC board for anything other than a=20
\>lopsided frisbee. :-)

You guys fighting with basic should try Java. I really think you'd have more
fun, and not only that, but you'd create software that all of us could use!

-----
gregg@cytetech.com (Cyte Technologies Inc)

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---

48. [aprssig] Standard Vertex V-150 HT

From: Bob Bruninga <bruninga@usna.edu>
Date: Thu, 3 Oct 2002 17:45:02 -0400 (EDT)
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>

Message-ID: <LYR842-101629-2002.10.03-17.27.11--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

```
Regarding the VX-150 HT:

The manual has NOTHING about battery charging (that I can find).
Is the supplied wall charger a trickle charger only?  Does it rapid
charge?  How long to leave it on charge?

My guess is that it is an overnight trickle charge since no amount of time
that I have left it on charge results in any sensible heat from it..

Has anyone else figured it out?

Bob



---
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```

49. [aprssig] UI Digi on an AEA PK-90?

From: Randy Allen <ka0azs@commkey.net>
Date: Thu, 03 Oct 2002 19:50:45 -0400
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-101631-2002.10.03-19.38.10--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

```
Will the UI Digi firmware work in an AEA PK-90 TNC?  I'm told it is a
TNC-2 clone.  Any got ya's about burning an e-prom for one?

  Any experience or information would be appreciated.

  Thanks and 73
--
Randy Allen, KAØAZS
EC, Montgomery CO Ohio
OH Dist. 3 ARES Web Page:
http://www.qsl.net/ohd3ares/

---
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```

50. [aprssig] UI Digi on an AEA PK-80? (Was PK-90)

From: Randy Allen <ka0azs@commkey.net>
Date: Thu, 03 Oct 2002 20:10:25 -0400
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-101652-2002.10.03-19.57.47--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

```
Correction: That should be an AEA PK-80 TNC, same questions, different
equipment.

Randy Allen wrote:
>
> Will the UI Digi firmware work in an AEA PK-90 TNC?  I'm told it is a
> TNC-2 clone.  Any got ya's about burning an e-prom for one?
>
>   Any experience or information would be appreciated.
>
>   Thanks and 73
>
--
Randy Allen, KAØAZS
EC, Montgomery CO Ohio
OH Dist. 3 ARES Web Page:
http://www.qsl.net/ohd3ares/

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```

51. [aprssig] Help with Vertex VX-150

From: "Jonathan Reid" <jonathan@jer.net>
Date: Thu, 3 Oct 2002 23:23:05 -0400
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-101658-2002.10.03-23.05.39--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

I am trying to get a VX-150 working with a KPC 3 TNC...

I have constructed a cable which receives data fine, and keys the transmitter and appears to transmit, but I am unable to connect to any other station, or get my packet to digipeat. I am wondering if it has to do with the XMITLVL command... but I just don't know as I am so new to this.

Any guidance with this unit would be appreciated.

Thank you,

Jonathan Reid
KG4UAM

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52. [aprssig] RE: Standard Vertex V-150 HT

From: "KB4OID" <kb4oid@kb4oid.org>
Date: Thu, 3 Oct 2002 22:24:18 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-101659-2002.10.03-23.09.21--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Bob, to really be sure, you'd have to measure the current the wall wart puts into the battery pack during charge. Divide the pack's capacity (700 mAH for the FNB64) by this amount and that will tell you the quickest time it will take to charge. I suspect that the wall wart is probably supplying about 45 mA, as this is a common value for several of my Yaesu wall chargers. That implies a 16+ hour charge time for the 700 mAH packs.

...73's Steve>

Steve McCarter, KB4OID
President, Playground Amateur Radio Club
AEC, Okaloosa County ARES
Fort Walton Beach, FL 32547, EM60ql
e-Mail me at kb4oid@kb4oid.org
Here's my personal site: http://www.kb4oid.org/
Visit PARC Online: http://www.w4zbb.org/

-----Original Message-----
From: bounce-aprssig-30062@lists.tapr.org
[mailto:bounce-aprssig-30062@lists.tapr.org]On Behalf Of Bob Bruninga
Sent: Thursday, October 03, 2002 4:45 PM
To: TAPR APRS Special Interest Group
Subject: [aprssig] Standard Vertex V-150 HT

Regarding the VX-150 HT:

The manual has NOTHING about battery charging (that I can find).
Is the supplied wall charger a trickle charger only? Does it rapid charge? How long to leave it on charge?

My guess is that it is an overnight trickle charge since no amount of time that I have left it on charge results in any sensible heat from it..

Has anyone else figured it out?

Bob

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```

53. [aprssig] Re: Power for a Temporary Mobile APRS Station

```
From: "carl szentes" <n9ibd.szentes@worldnet.att.net>
Date: Thu, 3 Oct 2002 22:47:06 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>,
       <milnes1@rcn.com>
Message-ID: <LYR842-101661-2002.10.03-23.41.01--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain
```

```
P.S.  don't forget to fuse both positive and negative wires coming from the
battery.
If the car battery ground cable goes "south", i.e. corrosion at the battery
ground terminal,
you  don't want your radio's ground serving as a path for cranking motor
current.....Carl
 ...... following was edited for transmittal
----- Original Message -----
From: "Dr. Jose E. Quintanilla" <ad6eu@gte.net>
Sent: Wednesday, October 02, 2002 6:44 PM
Subject: [aprssig] Re: Power for a Temporary Mobile APRS Station


> This is exactly what our RACES group uses every year for the Baker to
> race.  We run at least 3 cables (black and red) AWG 10 from the battery
> out to the back of the hood and then into the cabin.  We connect each
> cable to the battery with a big alligator clamp they are big enough to
withstand any
> movement or vibration of the car.    Of course, all the leads are fused.
We have been using this
> set up for years without any safety problem.
>
> 73s de Jose
>
> Ralph Milnes wrote:

> > But I'm wondering about the pluses and minuses (mostly safety issues)
> > of attaching a temporary power cable -- fused, of course -- to the
> > vehicles's battery and running it out the back of the hood and into
> > the passenger window. > > Ralph KC2RLM
> >




---
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```

54. [aprssig] new to win aprs and need some help

```
From: Dakota Summerhawk <dakotas@dotorg.org>
Date: Wed, 4 Sep 2002 03:29:50 -0600
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-101676-2002.10.04-05.08.27--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain
```

```
I just downloaded the latest version of winaprs and was playing
around with it. I wanted to know if there is a way to get the ports
list to add a port as I only listen to the Denver RMAPRS server on a
certain port to make sure my packets are getting out. If there is
someone that can mail me off the list with this information if it
available I would be most grateful.

Dakota Summerhawk

---
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```

55. [aprssig] Re: Power for a Temporary Mobile APRS Station

From: Phil Reed <preed@dnaco.net>
Date: Fri, 04 Oct 2002 07:13:32 -0400
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>,
        <milnes1@rcn.com>
Message-ID: <LYR842-101681-2002.10.04-07.11.46--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

```
On the other hand, I saw someplace (I think it was a Chrysler service
bulletin on installing RF gear) that you should NOT fuse the ground line
because if it burned out, you'd then be in the position of using the coax
shield for a ground return. This is probably less of an issue with a
mag-mount antenna, though.

At 10:47 PM 10/3/2002 -0500, carl szentes wrote:
>P.S.  don't forget to fuse both positive and negative wires coming from the
>battery.
>If the car battery ground cable goes "south", i.e. corrosion at the battery
>ground terminal,
>you  don't want your radio's ground serving as a path for cranking motor
>current.....Carl

---

                                  ...phil / w8sca

"For a list of all the ways technology has failed
     to improve the quality of life, press 3."


---
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---

56. [aprssig] Re: Power for a Temporary Mobile APRS Station <LYR28867-101661-2002.10.03-23.41.01--ka8spw#comcast.net@lists.tapr.org>

From: Shanon Lee Herron <ka8spw@comcast.net>
Date: Fri, 04 Oct 2002 09:33:03 -0400
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: milnes1@rcn.com
Message-ID: <LYR842-101693-2002.10.04-09.15.38--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

```
Hi Group,

  I have seen exactly what Carl said happen.  When the car's negative goes
bad the coax shield then supplies the return path for every device in the
car.  Then it goes through the negative cable for the radio but not before
it cooks the path inside the radio from the coax connection to the negative
lead.

  I ALWAYS fuse the negative on anything with an antenna!!

  AND, you will probably have to ground the radio and negative lead to the
metal of the cab if you run the negative to the battery.  I did a Ford F150
where the owner finally tossed the mag mount for an NMO mount.  Now he gets
alternator whine in Rx only.  A jumper to the cab from the rig stopped it.
Ground loop stopped...  When in doubt, ground everything!  Jump the cab to
the frame in a few spots too!  The bigger the jumper the better, I use at
least #6 stranded or RG-8 braid inside heat shrink or split loom.  Solder
all terminals after crimping.  Especially at the battery.  Stops corrosion
from the acid fumes.  By the way, the truck was brand new.  It don't just
happen on the old ones.  Sometimes the jumpers get left off or not tightened
at the factory.

Just plain old good installation practices.  TAKE THE TIME to do it right
the first time and you get no returns and years of happy operating.

73, Shanon  KA8SPW
--------------------------------------------------------------------

 -----Original Message-----
 Sent: Thursday, October 03, 2002 11:47 PM
 To: TAPR APRS Special Interest Group
 Cc: TAPR APRS Special Interest Group; milnes1@rcn.com
 Subject: [aprssig] Re: Power for a Temporary Mobile APRS Station

 P.S.  don't forget to fuse both positive and negative wires coming
 from the battery.  If the car battery ground cable goes "south",
 i.e. corrosion at the battery ground terminal, you  don't want your
 radio's ground serving as a path for cranking motor current.....Carl
---------------------------------------------------------------------
 ...... following was edited for transmittal
 ----- Original Message -----
 From: "Dr. Jose E. Quintanilla" <ad6eu@gte.net>
 Sent: Wednesday, October 02, 2002 6:44 PM
 Subject: [aprssig] Re: Power for a Temporary Mobile APRS Station


 This is exactly what our RACES group uses every year for the Baker to
 race.  We run at least 3 cables (black and red) AWG 10 from the battery
 out to the back of the hood and then into the cabin.  We connect each
 cable to the battery with a big alligator clamp they are big enough
 to withstand any movement or vibration of the car.
 Of course, all the leads are fused.  We have been using this set up
 for years without any safety problem.

 73s de Jose
---------------------------------------------------------------------
 Ralph Milnes wrote:

 But I'm wondering about the pluses and minuses (mostly safety issues)
 of attaching a temporary power cable -- fused, of course -- to the
 vehicles's battery and running it out the back of the hood and into
 the passenger window.

 Ralph KC2RLM



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```

57. [aprssig] Re: Standard Vertex V-150 HT

```
From: Michael Martens <kb9vbr@yahoo.com>
Date: Fri, 4 Oct 2002 06:34:08 -0700 (PDT)
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-101694-2002.10.04-09.16.26--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain
```

```
Bob,

Yaesu/Vertex prints the charging information on the
battery technical sheet and not in the user manual.

Full charge for the 700MAh NiCD battery is 15 hours
with the wall wart. Full charge with the drop in quick
charger is 1.5 hours.

Michael
KB9VBR

--- Bob Bruninga <bruninga@usna.edu> wrote:
> Regarding the VX-150 HT:
>
> The manual has NOTHING about battery charging (that
> I can find).
> Is the supplied wall charger a trickle charger only?
>  Does it rapid
> charge?  How long to leave it on charge?
>
> My guess is that it is an overnight trickle charge
> since no amount of time
> that I have left it on charge results in any
> sensible heat from it..
>
> Has anyone else figured it out?
>
> Bob
>
>
>
> ---
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> administrator: wa1lou@tapr.org
>

=====
- -
KB9VBR
Michael Martens
Wausau, WI

Need a good VHF antenna? How about the trusty J-Pole
http://www.martechsys.com/kb9vbr/jpole.htm

____
Do you Yahoo!?
New DSL Internet Access from SBC & Yahoo!
http://sbc.yahoo.com

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---

58. [aprssig] Re: Power for a Temporary Mobile APRS Station

From: Ken Brown <W2KB@compuserve.com>
Date: Fri, 4 Oct 2002 11:43:24 -0400
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-101737-2002.10.04-11.27.31--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

>> On the other hand, I saw someplace (I think it was a Chrysler service
bulletin on installing RF gear) that you should NOT fuse the ground line
because if it burned out, you'd then be in the position of using the coax
shield for a ground return. <<

If the battery's ground cable faults, the only remaining path is thru the
rig's power ground-side power cable. The ground cable fuse would protect
the coax as well. Coax braid is not grounded to the battery terminal.

73,

---Ken W2KB@ARRL.net VC-NJ KofC

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---

59. [aprssig] Re: Power for a Temporary Mobile APRS Station

From: "Mike Yetsko" <myetsko@insydesw.com>
Date: Fri, 4 Oct 2002 12:06:39 -0400
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-101740-2002.10.04-11.53.33--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

----- Original Message -----
From: "Ken Brown" <W2KB@compuserve.com>
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Sent: Friday, October 04, 2002 11:43 AM
Subject: [aprssig] Re: Power for a Temporary Mobile APRS Station

>> On the other hand, I saw someplace (I think it was a Chrysler service
bulletin on installing RF gear) that you should NOT fuse the ground line
because if it burned out, you'd then be in the position of using the coax
shield for a ground return. <<

If the battery's ground cable faults, the only remaining path is thru the
rig's power ground-side power cable. The ground cable fuse would protect
the coax as well. Coax braid is not grounded to the battery terminal.

73,

---Ken W2KB@ARRL.net VC-NJ KofC

The bottom line is ANY automotive installation needs to be thought out to do it with acceptable compromises.

Me? I NEVER ground to the battery. First off, why? If you ground to the battery, and the battery is not at vehicle chassis ground, then you and
your rig are sitting in a 'noise cage'. In addition, your antenna is now probably sitting on a noise generating ground plane.

Ideally, I believe you should find a low impedance to negative ground spot in the vehicle. In Chryslers, there usually are 2 or 3 manufacturer recommended spots. In my Intrepid, for example, there is one 'center console'. However that one would be 'common' with the air bag controller. And regardless of how 'good' a ground I think it is, it doesn't
give me a warm and fuzzy to ground it there. Another is in my trunk, a 'tab' on the left side behind where the left passenger would be seated. In fact, that is the recommended ground point for high power stereo systems, and where the factory Infinity systems ground. And... it is a perfect spot to ground a 'trunk mount remote' type installation, which is what I have.

Yes, hooking direct to the battery offers an advantage of the lowest impedance to the highest potential current source. But it does NOT insure the best 'ground' for RF listening.

On the other hand, grounding in the trunk or other 'manufacturer recomended' vehicle ground spots offer the best 'performance'
but at the same time may limit you slightly in what's best described as 'quiet current ' capability.

But, if you have a problem where battery ground is excessively away from vehicle ground, what's best?

It would seem to me that if that's an issue, FIX IT!!! Don't try to compromise your way AROUND the problem, FIX IT!! The
the compromises of grounding elsewhere in the vehicle are minor compared to the benefits.

It's really amazing the number of times I hear 'I won't do that because...'
and the reason is because something ELSE in the system is broke and the person just won't get off their you know what and fix it!

Be honest here... How many people do you know that expouse the benefits of grounding at the battery immediately try to tie it to a statement
that goes something like "When I hit the brakes, I get a glitch" kind of thing? It's just amazing that people won't fix the vehicle electrical system
correctly and KEEP it fixed when they are routinely installing devices to stress it!

Oh, and the ground cable fuse may NOT protect your coax. It will only insure that battery current through the ground is 'protected'. But just remember, if you have a 10amp fuse in there, what happens if the ground current is only 5amps?

Furthermore, if you have a ground at the radio chassis and a ground at the antenna... Are you going to insure that your rig chassis is insulated?
Again, you will have multiple contact points for 'ground'. The antenna is probably going to be one of them, and you probably won't have much of a choice where. The rig chassis is another potential. Ok, you can insulate that. But do you really want to? Think about that. The rig is sitting in a huge cage. Do you really want to have it isolated from any potential contacts with the cage? Remember, the ground on the mic,
a ground on a speaker wire. Even something like a metal pen you lay on the console may.... You get the idea, I hope. Think you can solve all the issues? Sure, maybe you can. Until someone comes up and says "Hey, can I plug this into your radio for a second..."

If the chassis is in cage, it really SHOULD be 'referenced' to the cage.

Again, there are benefits and compromises with almost every installation. THINK THEM OUT before you blindly accept someone elses blunt statement that "You should ....."

And make sure you're not installing a radio into an already compromised environment! (Personally, just the fact that battery straps go bad with

time is justification enough in my mind to never ground right at the
battery!)

Mike

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60. [aprssig] Re: Power for a Temporary Mobile APRS Station

From: "Mike Yetsko" <myetsko@insydesw.com>
Date: Fri, 4 Oct 2002 12:08:00 -0400
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: <milnes1@rcn.com>
Message-ID: <LYR842-101741-2002.10.04-11.54.50--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

> On the other hand, I saw someplace (I think it was a Chrysler service
> bulletin on installing RF gear) that you should NOT fuse the ground line
> because if it burned out, you'd then be in the position of using the
coax
> shield for a ground return. This is probably less of an issue with a
> mag-mount antenna, though.

IF you ground to the battery direct, then you should fuse the ground
line.

IF you ground to the chassis at the radio mounting point, then the fuse
is not recommended.

Mike

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61. [aprssig] BATT To the Group

From: "Allen D. Alter" <n2radio@triton.net>
Date: Fri, 4 Oct 2002 12:22:13 -0400
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-101742-2002.10.04-12.03.54--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Hi Group I'm a lil new to this Posting hope it work's &
help's.

My YEASU VX-1R has a 2 hr recharge time if you are not using
it.
My Yeasu FT 50 R Manual doesnt give any good info on Charge
time's. The book says the radio come's with a 15 hr compact
charger. Well from what I know about Nicad Pak's that's a
safe bet.
It also has a Optional FAST Charger.

I did a lot of research on Nicad paks. Here's a few tip's I
found to be very true.

1.   The Wall Wart will overcharge and destroy a pak, in
time. (not too long of time)
2.   QST had a artical a while back about making your Wall
Wart a Trickle charger, that you can leave on for ever. It
usses a Resistor in Paralell with a bypass switch. Look it
up it's very intresting. If my scanner was up and running
I'd send it to you.
3.   When you charge Nicad's in a pak it get's a lil
riskey, if you leave too much charge on you risk going into
overcharge. When that happen's one cell can Vent, and you
loose Batt Fluid. You can watch with a DIGGITOL VOLT METER
and you can see it go up and then go into discharge.
4.   You can recharge Nicad Pak's at a Much Higher Charge
Rate, than the Radio Manu. Reccomend's (when they do).

```
5.   500 Mill Pak's can be charged this way. Maybe 3 or 4
AMP's for 15 0r 20 minute's but you have to monitor them
constantly with your Dig Meter so you can shut them off at
there PEAK. It will shock you how high they will go.  DO
THIS AT YOUR OWN RISK>>>>I DO IT ALL THE TIME..
6.   I have Recharged my RC Pak's form the 12 vdc Batt in my
car. Same deal 10 to 20 Min.





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```

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62. [aprssig] Re: BATT To the Group

From: "Mike Yetsko" <myetsko@insydesw.com>
Date: Fri, 4 Oct 2002 12:46:32 -0400
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-101749-2002.10.04-12.33.17--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

```
----- Original Message -----
From: "Allen D. Alter" <n2radio@triton.net>


> 5.   500 Mill Pak's can be charged this way. Maybe 3 or 4
> AMP's for 15 0r 20 minute's but you have to monitor them
> constantly with your Dig Meter so you can shut them off at
> there PEAK. It will shock you how high they will go.  DO
> THIS AT YOUR OWN RISK>>>>I DO IT ALL THE TIME..


NEVER EVER EVER charge NiCads with a continuous current
of over 0.3c.  When you do this, the cell breaks down and you
are relying on the pressure (held in by the vent) to force recombination
of the gasses.  Even at 0.3c you are playing and 'edge' game with
the pressure.  Does it work?  Yes, but your making each cell into
a small pressure cooker.  It's only a matter of time before you hear
that firecracker go off on the bench.

Oh, and keep in mind that NiCads are EXTREMELY toxic!
Cadmium poisoning.  I wouldn't want venting on my workbench
with that fine mist ...

Yes, you can charge a totally dead NiCad in even much less than
an hour with pulse type chargers.  These can supply an average
charge of OVER 1.0c by pounding the battery with HUGE
current spikes with 'settling time' between the spikes to allow the
gas to reabsorb.  Some people even maintain that the pulse
chargers are good for the life of the batteries.  However, just
pulsing is not enough.  A lot of cells now use a 'pulse charging'
system to quickly and safely charge batteries, but where they
differ is in the way the units monitor the cell between pulses to
see what's going on.

Personally, I don't believe that pulse charging was fully explored
for extracting the maximum life out of NiCads before the laptop
industry 'moved on' to NiMH and LIon technology.  But then,
that's another issue.

Mike



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---

63. [aprssig] Re: BATT To the Group

From: David VanHorn <dvanhorn@cedar.net>
Date: Fri, 04 Oct 2002 12:18:40 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-101750-2002.10.04-13.00.48--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

>
>NEVER EVER EVER charge NiCads with a continuous current
>of over 0.3c.

As a designer of nicad and NIMH charging systems, I'm going to take the middle road here. C to 2C is standard, and recommended by the manufacturers for NIMH, but only under controlled charge.

First, realize that Nicad and NIMH are different batteries.
Nicad is a lot more robust, NIMH packs a lot more in the can.

Chapter 29 of the McGraw Hill handbook of batteries is very illuminating.

NIMH will go into charge depression if left on trickle faster than C/300 for an extended period. This is a completely reversible problem, often mistaken for "memory effect", which is essentially impossible to provoke in comsumer cells. A few normal charge/discharge cycles will erase charge depression.

Pulse charging of Nicad and NIMH is still done, and highly recommended in some quarters. The theory is that it promotes a more porous plate surface resulting in more capacity to deliver current quickly, and that the higher current levels are not conducive to denrite formation.

Completely discharging any multi-cell Nicad or NIMH pack is un-necessary, and is likely to damage some of the cells in the pack.
Discharging below 0.9V/Cell is not recommended, 1.0V if you want maximum life.

I'm finishing off a printer design right now, that uses an Atmel Tiny-26L processor as it's battery charger. The chip not only controls every phase of the charge cycle, but it also is the SMPS controller for the constant current supply that charges the battery. The high speed PWM output allows me to do 8 bit PWM at 100kHz, while operating without a crystal, on the internal 1Mhz clock.

Give me 6 months in the field, and I'll have a much better data set, since these chargers log data to internal memory, and we upload that.
I'll also have a few doing dedicated battery cycling. I've never had that capability in hardware before :)

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64. [aprssig] APRSd 2.2.3 Q compatability?

From: "Michael J. Wolthuis" <wolthui3@msu.edu>
Date: Fri, 4 Oct 2002 13:46:26 -0400
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-101752-2002.10.04-13.27.56--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Everyone,
I am confused a little about which APRSd I should be running at this point. I try and help maintain 3 IGATES and a SATGATE in Michigan which are currently running APRSd 2.2.3 latest from CVS, but it appears that this has none of the Q construct setup in it. I know we are still backwards compatible, but when will the latest helpful additions be added to the latest APRSd?

Is it better to switch to javAPRS??

Thanks for the help, I just want to stay up to date.

Mike
Kb8zgl

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65. [aprssig] PCsat PAGING test

From: Bob Bruninga <bruninga@usna.edu>
Date: Fri, 4 Oct 2002 15:21:56 -0400 (EDT)
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: Cap Pennell <cap@cruzio.com>
Message-ID: <LYR842-101755-2002.10.04-15.04.00--lyris.aprssig#tapr.org@lists.tapr.org>

Rendered body type: text/plain

```
OK gang, (and Cap)

One of the main features of PCsat was a separate downlink transmitter on
144.39 so that we could send a message to ANYONE in north America no
matter where they were.

In the year of operations only a half dozen or so individuals asked to use
that channel.  And then mostly for uplink of posits instead of messages.

So, Tonight I am going to do a test to see who all I can send a message
to.  So I will send a message to ALL that will come down on 144.39 no
matter where you are and lets see who gets it.  When you park your car
tonight, leave the rig on and make sure your MSG buffer is not full!

By the time you go to bed, go check your messages and see if you got it...

P.S.  I need an UPLINK station on the WEST coast to do the same uplink out
there.  Cap Pennel, are you available?

de WB4APR@amsat.org, Bob

PCsat WEB  page     http://www.ew.usna.edu/~bruninga/pcsat.html
ISS-APRS FAQ:       http://www.ew.usna.edu/~bruninga/iss-faq.html
CUBESAT Designs     http://www.ew.usna.edu/~bruninga/cubesat.html
APRS LIVE pages     http://www.ew.usna.edu/~bruninga/aprs.html
APRS SATELLITES     http://www.ew.usna.edu/~bruninga/astars.html
MIM/Mic-E/Mic-Lite  http://www.toad.net/~wclement/bruninga/mic-lite.html



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```

66. [aprssig] findU track.cgi default geo has changed

From: Gary Fariss <glists@gizmology.com>
Date: Fri, 04 Oct 2002 12:21:56 -0700
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-101756-2002.10.04-15.05.15--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

```
The default geo that findU supplies with a track.cgi (and breadcrumb.cgi)
has changed.  It now shows a full map of the USA. Previously, it produced
a zoomed-in MapBlast map that depicted the local area of the track points.

What's happened?  When (if ever) will the original functionality return?

73,
   Gary Fariss, W6KYF



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```

67. [aprssig] PCSAT Message

From: kb2scs@optonline.net
Date: Fri, 04 Oct 2002 17:16:04 -0400
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: wb4apr@amsat.org
Message-ID: <LYR842-101758-2002.10.04-16.57.42--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

```
Hi Bob
           I received your PCSAT Message here on Long Island NY.

Let us hope we never witness the "Silence Of The Hams"
73 DE John  KB2SCS
     Mail To:            kb2scs@wa2pnu.#nli.ny.usa.noam
      E-Mail:            kb2scs@arrl.net

---
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68. [aprssig] Re: PCsat PAGING test

From: Roger Grady <k9opo@comteck.com>
Date: Fri, 04 Oct 2002 16:26:31 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-101759-2002.10.04-17.09.08--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

```
Message received in N. Central Indiana.

Roger Grady  K9OPO

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```

69. [aprssig] Re: PCsat PAGING test

From: "Wes Johnston" <kd4rdb@netzero.com>
Date: Fri, 4 Oct 2002 17:35:50 -0400
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: <aprssig@tapr.org>
Message-ID: <LYR842-101761-2002.10.04-17.18.11--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

```
Got message at 16:19 eastern time.
Wes
kd4rdb


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```

70. [aprssig] Re: PCsat PAGING test

From: "Bill Guthrie" <willy3jax@telocity.com>
Date: Fri, 4 Oct 2002 18:36:23 -0400
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-101763-2002.10.04-18.18.28--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

```
Got it in Jacksonville, FL at 4:25pm EST

KC4OUA, Bill


----- Original Message -----
From: "Bob Bruninga" <bruninga@usna.edu>
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: "Cap Pennell" <cap@cruzio.com>
Sent: Friday, October 04, 2002 3:21 PM
Subject: [aprssig] PCsat PAGING test


> OK gang, (and Cap)
>
> One of the main features of PCsat was a separate downlink transmitter on
> 144.39 so that we could send a message to ANYONE in north America no
> matter where they were.
>
> In the year of operations only a half dozen or so individuals asked to use
> that channel.  And then mostly for uplink of posits instead of messages.
>
> So, Tonight I am going to do a test to see who all I can send a message
> to.  So I will send a message to ALL that will come down on 144.39 no
> matter where you are and lets see who gets it.  When you park your car
> tonight, leave the rig on and make sure your MSG buffer is not full!
>
> By the time you go to bed, go check your messages and see if you got it...
>
> P.S.  I need an UPLINK station on the WEST coast to do the same uplink out
> there.  Cap Pennel, are you available?
>
> de WB4APR@amsat.org, Bob
>
> PCsat WEB  page     http://www.ew.usna.edu/~bruninga/pcsat.html
```

> ISS-APRS FAQ: http://www.ew.usna.edu/~bruninga/iss-faq.html
> CUBESAT Designs   http://www.ew.usna.edu/~bruninga/cubesat.html
> APRS LIVE pages   http://www.ew.usna.edu/~bruninga/aprs.html
> APRS SATELLITES   http://www.ew.usna.edu/~bruninga/astars.html
> MIM/Mic-E/Mic-Lite http://www.toad.net/~wclement/bruninga/mic-lite.html
>
>
>
> ---
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>
>

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---

71. [aprssig] Re: PCsat PAGING test <LYR27854-101763-2002.10.04-18.18.28--darnellb10#comcast.net@lists.tapr.org>

From: Brad Darnell <darnellb10@comcast.net>
Date: Fri, 04 Oct 2002 17:58:33 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-101767-2002.10.04-18.37.32--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Got both messages in Indianapolis, IN

Brad - WA9BD

----- Original Message -----
From: "Bob Bruninga" <bruninga@usna.edu>
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: "Cap Pennell" <cap@cruzio.com>
Sent: Friday, October 04, 2002 3:21 PM
Subject: [aprssig] PCsat PAGING test

> OK gang, (and Cap)
>
> One of the main features of PCsat was a separate downlink transmitter on
> 144.39 so that we could send a message to ANYONE in north America no
> matter where they were.
>
> In the year of operations only a half dozen or so individuals asked to use
> that channel. And then mostly for uplink of posits instead of messages.
>
> So, Tonight I am going to do a test to see who all I can send a message
> to. So I will send a message to ALL that will come down on 144.39 no
> matter where you are and lets see who gets it. When you park your car
> tonight, leave the rig on and make sure your MSG buffer is not full!
>
> By the time you go to bed, go check your messages and see if you got it...
>
> P.S. I need an UPLINK station on the WEST coast to do the same uplink out
> there. Cap Pennel, are you available?
>
> de WB4APR@amsat.org, Bob
>
> PCsat WEB page   http://www.ew.usna.edu/~bruninga/pcsat.html
> ISS-APRS FAQ: http://www.ew.usna.edu/~bruninga/iss-faq.html
> CUBESAT Designs   http://www.ew.usna.edu/~bruninga/cubesat.html
> APRS LIVE pages   http://www.ew.usna.edu/~bruninga/aprs.html
> APRS SATELLITES   http://www.ew.usna.edu/~bruninga/astars.html
> MIM/Mic-E/Mic-Lite http://www.toad.net/~wclement/bruninga/mic-lite.html
>
>
>
> ---
> You are currently subscribed to aprssig as: willy3jax@telocity.com
> To unsubscribe send a blank email to leave-aprssig-842K@lists.tapr.org
> Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org
>
>

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To unsubscribe send a blank email to leave-aprssig-842K@lists.tapr.org
Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

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72. [aprssig] Re: PCsat PAGING test

From: Jay <jnetterville@nc.rr.com>
Date: Fri, 04 Oct 2002 20:28:56 -0400
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: Bob Bruninga <bruninga@usna.edu>
Message-ID: <LYR842-101768-2002.10.04-20.09.49--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Both messages received in Raleigh, NC

73!!
Jay KQ4MS
Raleigh, NC

At 03:21 PM 10/4/2002 -0400, you wrote:
>OK gang, (and Cap)
>
>One of the main features of PCsat was a separate downlink transmitter on
>144.39 so that we could send a message to ANYONE in north America no
>matter where they were.
>
>In the year of operations only a half dozen or so individuals asked to use
>that channel. And then mostly for uplink of posits instead of messages.
>
>So, Tonight I am going to do a test to see who all I can send a message
>to. So I will send a message to ALL that will come down on 144.39 no
>matter where you are and lets see who gets it. When you park your car
>tonight, leave the rig on and make sure your MSG buffer is not full!
>
>By the time you go to bed, go check your messages and see if you got it...
>
>P.S. I need an UPLINK station on the WEST coast to do the same uplink out
>there. Cap Pennel, are you available?
>
>de WB4APR@amsat.org, Bob
>
```
>PCsat WEB  page     http://www.ew.usna.edu/~bruninga/pcsat.html
>ISS-APRS FAQ:       http://www.ew.usna.edu/~bruninga/iss-faq.html
>CUBESAT Designs     http://www.ew.usna.edu/~bruninga/cubesat.html
>APRS LIVE pages     http://www.ew.usna.edu/~bruninga/aprs.html
>APRS SATELLITES     http://www.ew.usna.edu/~bruninga/astars.html
>MIM/Mic-E/Mic-Lite  http://www.toad.net/~wclement/bruninga/mic-lite.html
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>
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Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

73. [aprssig] Re: PCsat PAGING test

From: "Dave Thege" <dthege@ncfcomm.com>
Date: Fri, 4 Oct 2002 19:54:34 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: "Cap Pennell" <cap@cruzio.com>
Message-ID: <LYR842-101769-2002.10.04-20.35.41--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Msg rcvd in Norfolk, Nebraska.
Dave N0XBN
----- Original Message -----
From: "Bob Bruninga" <bruninga@usna.edu>
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: "Cap Pennell" <cap@cruzio.com>
Sent: Friday, October 04, 2002 2:21 PM
Subject: [aprssig] PCsat PAGING test

> OK gang, (and Cap)
>
> One of the main features of PCsat was a separate downlink transmitter on
> 144.39 so that we could send a message to ANYONE in north America no
> matter where they were.
>
> In the year of operations only a half dozen or so individuals asked to use
> that channel. And then mostly for uplink of posits instead of messages.
>
> So, Tonight I am going to do a test to see who all I can send a message
> to. So I will send a message to ALL that will come down on 144.39 no
> matter where you are and lets see who gets it. When you park your car
> tonight, leave the rig on and make sure your MSG buffer is not full!
>
> By the time you go to bed, go check your messages and see if you got it...
>
> P.S. I need an UPLINK station on the WEST coast to do the same uplink out
> there. Cap Pennel, are you available?
>
> de WB4APR@amsat.org, Bob
>
> PCsat WEB page   http://www.ew.usna.edu/~bruninga/pcsat.html
> ISS-APRS FAQ: http://www.ew.usna.edu/~bruninga/iss-faq.html
> CUBESAT Designs   http://www.ew.usna.edu/~bruninga/cubesat.html
> APRS LIVE pages   http://www.ew.usna.edu/~bruninga/aprs.html
> APRS SATELLITES   http://www.ew.usna.edu/~bruninga/astars.html
> MIM/Mic-E/Mic-Lite http://www.toad.net/~wclement/bruninga/mic-lite.html
>
>
>
> ---
> You are currently subscribed to aprssig as: dthege@ncfcomm.com
> To unsubscribe send a blank email to leave-aprssig-842K@lists.tapr.org
> Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org
>
>

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Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

74. [aprssig] Re: PCsat PAGING test

From: "Ronald Reams" <wa4mjf@worldnet.att.net>
Date: Fri, 4 Oct 2002 21:06:35 -0400
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: "Cap Pennell" <cap@cruzio.com>
Message-ID: <LYR842-101771-2002.10.04-20.48.40--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

I received the test here in NC.

73 de Ronnie

----- Original Message -----
From: "Bob Bruninga" <bruninga@usna.edu>
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: "Cap Pennell" <cap@cruzio.com>
Sent: Friday, October 04, 2002 15:21
Subject: [aprssig] PCsat PAGING test

OK gang, (and Cap)

One of the main features of PCsat was a separate downlink transmitter on
144.39 so that we could send a message to ANYONE in north America no
matter where they were.

In the year of operations only a half dozen or so individuals asked to use that channel. And then mostly for uplink of posits instead of messages.

So, Tonight I am going to do a test to see who all I can send a message to. So I will send a message to ALL that will come down on 144.39 no matter where you are and lets see who gets it. When you park your car tonight, leave the rig on and make sure your MSG buffer is not full!

By the time you go to bed, go check your messages and see if you got it...

P.S. I need an UPLINK station on the WEST coast to do the same uplink out there. Cap Pennel, are you available?

de WB4APR@amsat.org, Bob

PCsat WEB page	http://www.ew.usna.edu/~bruninga/pcsat.html
ISS-APRS FAQ:	http://www.ew.usna.edu/~bruninga/iss-faq.html
CUBESAT Designs	http://www.ew.usna.edu/~bruninga/cubesat.html
APRS LIVE pages	http://www.ew.usna.edu/~bruninga/aprs.html
APRS SATELLITES	http://www.ew.usna.edu/~bruninga/astars.html
MIM/Mic-E/Mic-Lite	http://www.toad.net/~wclement/bruninga/mic-lite.html

---
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Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

---

75. [aprssig] Re: PCsat PAGING test

From: Roger Grady <k9opo@comteck.com>
Date: Fri, 04 Oct 2002 18:02:53 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-101780-2002.10.04-23.09.15--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

As of about 10:15PM EST I have a total of 3 messages, the latest is from Bob mobile in his wife's car.

Roger Grady, K9OPO
N. Central IN

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---

76. [aprssig] Re: PCsat PAGING test

From: "George Kammerzell Jr" <gkammerzell@microlink-d.com>
Date: Fri, 4 Oct 2002 21:29:57 -0600
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-101781-2002.10.04-23.12.01--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Msg rcvd denver colo

-----Original Message-----
From: bounce-aprssig-29715@lists.tapr.org
[mailto:bounce-aprssig-29715@lists.tapr.org]On Behalf Of Dave Thege
Sent: Friday, October 04, 2002 6:55 PM
To: TAPR APRS Special Interest Group
Cc: Cap Pennell
Subject: [aprssig] Re: PCsat PAGING test

Msg rcvd in Norfolk, Nebraska.
Dave N0XBN
----- Original Message -----
From: "Bob Bruninga" <bruninga@usna.edu>
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: "Cap Pennell" <cap@cruzio.com>
Sent: Friday, October 04, 2002 2:21 PM
Subject: [aprssig] PCsat PAGING test

> OK gang, (and Cap)

>
> One of the main features of PCsat was a separate downlink transmitter on
> 144.39 so that we could send a message to ANYONE in north America no
> matter where they were.
>
> In the year of operations only a half dozen or so individuals asked to use
> that channel. And then mostly for uplink of posits instead of messages.
>
> So, Tonight I am going to do a test to see who all I can send a message
> to. So I will send a message to ALL that will come down on 144.39 no
> matter where you are and lets see who gets it. When you park your car
> tonight, leave the rig on and make sure your MSG buffer is not full!
>
> By the time you go to bed, go check your messages and see if you got it...
>
> P.S. I need an UPLINK station on the WEST coast to do the same uplink out
> there. Cap Pennel, are you available?
>
> de WB4APR@amsat.org, Bob
>
> PCsat WEB page   http://www.ew.usna.edu/~bruninga/pcsat.html
> ISS-APRS FAQ: http://www.ew.usna.edu/~bruninga/iss-faq.html
> CUBESAT Designs   http://www.ew.usna.edu/~bruninga/cubesat.html
> APRS LIVE pages   http://www.ew.usna.edu/~bruninga/aprs.html
> APRS SATELLITES   http://www.ew.usna.edu/~bruninga/astars.html
> MIM/Mic-E/Mic-Lite http://www.toad.net/~wclement/bruninga/mic-lite.html
>
>
>
> ---
> You are currently subscribed to aprssig as: dthege@ncfcomm.com
> To unsubscribe send a blank email to leave-aprssig-842K@lists.tapr.org
> Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org
>
>

You are currently subscribed to aprssig as: gkammerzell@microlink-d.com
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---

77. [aprssig] messaging

From: Ken Cechura <kcechura@umr.edu>
Date: Fri, 04 Oct 2002 20:31:22 -0700
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-101782-2002.10.04-23.13.37--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

ok, say my cohorts at EEE want to send me a message via APRS form our
commodore 64 digi.... how would they have to format the message to send it?

thanks
Ken

```
      //////////////////////////////////////////////////////
     //        Kenneth R. Cechura, KC9UMR                //
    //             kcechura@umr.edu                     //
   //           President, W0EEE, 2002                 //
  // University of Missouri-Rolla Amateur Radio Club  //
//////////////////////////////////////////////////////
```

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Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

---

78. [aprssig] Re: findU track.cgi default geo has changed

From: Bill Herrmann <bherrman@spro.net>
Date: Fri, 04 Oct 2002 21:31:32 -0600
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-101783-2002.10.04-23.25.37--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

```
At 12:21 PM 10/4/02 -0700, Gary Fariss wrote:
>The default geo that findU supplies with a track.cgi (and breadcrumb.cgi)
[snip]
>What's happened?  When (if ever) will the original functionality return?

MapBlast eliminated the interface that was being used for all FindU maps.
It happens they didn't eliminate the interface at the Vicinity (parent
company of MapBlast) level so Steve was able to get mapping back.

However, to cut down on the mapping demands (and decrease the likelihood of
losing that interface as well) Steve made at least 2 changes. One is the
track map. The other is that the mapping pages no longer automatically refresh.

I'm not sure if there is a way to zoom the default map, but you can place a
geo file and map on your own site and use that for tracks.

Bill



---
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```

79. [aprssig] Re: messaging

From: James Jefferson <jjeffers@aprsworld.net>
Date: Fri, 4 Oct 2002 22:55:38 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: aprssig@lists.tapr.org
Message-ID: <LYR842-101784-2002.10.04-23.35.56--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

```
>From memory ...

:KC9UMR-12:Message body goes here{01

Where the "KC9UMR-12" is exactly that many characters long ... if they just
wanted to send it to KC9UMR with no SSID it would be "KC9UMR   "

And where 01 is up to a three alphanumeric message id. They can leave the {
and everything off if they don't need an ack back.

-Jim KB0THN

On Friday 04 October 2002 22:31, Ken Cechura wrote:
> ok, say my cohorts at EEE want to send me a message via APRS form our
> commodore 64 digi....  how would they have to format the message to send
> it?
>
> thanks
> Ken
>
>        //////////////////////////////////////////////////////
>       //        Kenneth R. Cechura, KC9UMR                //
>      //             kcechura@umr.edu                     //
>     //           President, W0EEE, 2002                  //
>    // University of Missouri-Rolla Amateur Radio Club  //
> //////////////////////////////////////////////////////
>
>
>
> ---
> You are currently subscribed to aprssig as: jj@aprsworld.net
> To unsubscribe send a blank email to leave-aprssig-842K@lists.tapr.org
> Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org


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```

80. [aprssig] Re: PCsat PAGING test

From: Harry Burford <list2@burford.org>
Date: Fri, 04 Oct 2002 23:33:12 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-101794-2002.10.05-00.15.20--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

```
Saw messages here in N. Texas.

Harry, KA0TTY



On 10/4/02 2:21 PM, "Bob Bruninga" <bruninga@usna.edu> wrote:

> OK gang, (and Cap)
> 
> One of the main features of PCsat was a separate downlink transmitter on
> 144.39 so that we could send a message to ANYONE in north America no
> matter where they were.
> 
> In the year of operations only a half dozen or so individuals asked to use
> that channel.  And then mostly for uplink of posits instead of messages.
> 
> So, Tonight I am going to do a test to see who all I can send a message
> to.  So I will send a message to ALL that will come down on 144.39 no
> matter where you are and lets see who gets it.  When you park your car
> tonight, leave the rig on and make sure your MSG buffer is not full!
> 
> By the time you go to bed, go check your messages and see if you got it...
> 
> P.S.  I need an UPLINK station on the WEST coast to do the same uplink out
> there.  Cap Pennel, are you available?
> 
> de WB4APR@amsat.org, Bob
> 
> PCsat WEB  page     http://www.ew.usna.edu/~bruninga/pcsat.html
> ISS-APRS FAQ:       http://www.ew.usna.edu/~bruninga/iss-faq.html
> CUBESAT Designs     http://www.ew.usna.edu/~bruninga/cubesat.html
> APRS LIVE pages     http://www.ew.usna.edu/~bruninga/aprs.html
> APRS SATELLITES     http://www.ew.usna.edu/~bruninga/astars.html
> MIM/Mic-E/Mic-Lite  http://www.toad.net/~wclement/bruninga/mic-lite.html
> 
> 
> 
> ---
> You are currently subscribed to aprssig as: list2@burford.org
> To unsubscribe send a blank email to leave-aprssig-842K@lists.tapr.org
> Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org
> 


---
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```

81. [aprssig] Re: PCsat PAGING test

From: "Jason Rausch" <ke4nyv@msn.com>
Date: Fri, 4 Oct 2002 23:33:57
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-101795-2002.10.05-00.16.07--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

```
Sorry for the delay..

Got the message on the HamHUD II in Roanoke, Virginia around 1645 EST.

73's
Jason KE4NYV
www.ke4nyv.com

---
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```

82. [aprssig] pc sat paging

From: Kevin Deckert <kdeckert@mercuryspeed.com>
Date: Tue, 01 Oct 2002 21:52:53 -0700
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-101796-2002.10.05-00.17.05--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Bob, recieved your message here in Avola BC...
ve7whk

```
---
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Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org
```

83. [aprssig] Re: messaging <LYR30523-101782-2002.10.04-23.13.37--kb2scs#optonline.net@lists.tapr.org>

From: kb2scs@optonline.net
Date: Sat, 05 Oct 2002 06:45:26 -0400
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-101813-2002.10.05-06.25.49--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

```
Hi Ken
           Here are the Steps to send an APRS message manually.
1) Set the TNC unproto path to
    CMD: APZ VIA RELAY,WIDE,WIDE
    change the above digi path for your area.
2) CMD: CONVERS
    Put the TNC in convers mode
3) Type the following command.
    :KC9UMR   :Hi Ken how is everything going over there?{1
    ^             ^^^
    I             I
    colon      I
                 addressee callsign padded with 3 spaces then a another colon
then message.

The addressee is a 9 character field that is padded with spaces on the right.
So for example if the addressee has a ssid of -15 then the above would not
have any spaces addeded like so.
:KC9UMR-15:Hi Ken how is everything going over there?{1

The {1 is an APRS message number. If your friends send another
message they would use the same format but change the message
number to a {2 and so on.

Ken the  {number at the end will cause your APRS  software to send
an APRS ACK message back.

Your friends would see this ACK message on their terminal screen and
then know that you have received the message so they would know
to stop manually sending the message and move on to the next message
that they would want to send.

Hope this helped.

On 4 Oct 2002 at 20:31, Ken Cechura wrote:

> ok, say my cohorts at EEE want to send me a message via APRS form our
> commodore 64 digi....  how would they have to format the message to send it?
>
> thanks
> Ken
>
>       //////////////////////////////////////////////////////
>      //        Kenneth R. Cechura, KC9UMR                //
>     //            kcechura@umr.edu                     //
>    //           President, W0EEE, 2002                //
>   // University of Missouri-Rolla Amateur Radio Club  //
> //////////////////////////////////////////////////////
>
>
>
> ---
> You are currently subscribed to aprssig as: kb2scs@optonline.net
> To unsubscribe send a blank email to leave-aprssig-842K@lists.tapr.org
> Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org
>
```

Let us hope we never witness the "Silence Of The Hams"
73 DE John KB2SCS
Mail To: kb2scs@wa2pnu.#nli.ny.usa.noam
E-Mail: kb2scs@arrl.net

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Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

84. [aprssig] Re: PCsat TEST

From: Bill Vodall - WA7NWP <wa7nwp@yahoo.com>
Date: Sat, 05 Oct 2002 07:33:52 -0700
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-101828-2002.10.05-10.18.41--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Disk space is cheap and RF packets are cool - so I save them all...   Here's what
I heard from PCSAT yesterday at the home station in Redmond, Wa.

73,
Bill - WA7NWP

```
mlark:/opt/vodall/sbin # grep PCSAT- 021004
1004034346 PCSAT-11>BEACON,SGATE:T#992,161,167,067,213,213,00111111,0111,1
1004071146 PCSAT-11>BEACON,SGATE:T#044,157,164,071,212,213,00111111,0111,1
1004071211 PCSAT-11>BEACON,SGATE:US Naval Academy Prototype Comm. Sat. PCsat(B)
1004071611 PCSAT-11>BEACON,SGATE:US Naval Academy Prototype Comm. Sat. PCsat(B)
1004090346 PCSAT-11>BEACON,SGATE:T#072,150,161,070,212,213,00111111,0111,1
1004104346 PCSAT-11>BEACON,SGATE:T#097,077,040,052,051,213,00111111,0100,1
1004104746 PCSAT-11>BEACON,SGATE:T#098,071,086,092,071,213,00111111,0101,1
1005013144 PCSAT-11>BEACON,SGATE:T#319,099,089,083,107,213,00111111,0110,1
1005013209 PCSAT-11>BEACON,SGATE:US Naval Academy Prototype Comm. Sat. PCsat(B)
1005013356 PCSAT>APRS,PCSAT-11*::ALL      :This Message sent to you via PCsat direct!
1005030703 PCSATW>APS215,PCSAT-11*:ALL      :Test via PCSAT to 144.39 de ke6afe CM86xx.{1s}
1005030713 PCSATW>APS215,PCSAT-11*:ALL      :This Message sent to you via PCsat direct!{1r}
1005031246 PCSATW>APS215,PCSAT-11*:ALL      :Test via PCSAT to 144.39 de ke6afe CM86xx.{1s}
1005082823 PCSATW>APS215,PCSAT-11*:ALL      :Test, PCSAT > 144.39! de ke6afe in Calif.{1u}
1005082938 PCSATW>APS215,PCSAT-11*:ALL      :Test, PCSAT to 144.39! de ke6afe in Calif.{1v}
1005082939 PCSATW>APS215,PCSAT-11*:ALL      :Test, PCSAT to 144.39! de ke6afe in Calif.{1v}
1005083006 PCSAT-11>BEACON,SGATE:T#423,084,095,085,150,213,00111111,0110,1
1005083148 PCSAT>APRS,PCSAT-11*::ALL      :This Message sent to you via PCsat direct!
1005083203 PCSATW>APS215,PCSAT-11*:ALL      :This Message sent to you via PCsat direct!{1r}
1005083222 PCSATW>APS215,PCSAT-11*:ALL      :Test, PCSAT to 144.39! de ke6afe in Calif.{1v}
1005083406 PCSAT-11>BEACON,SGATE:T#424,149,160,090,212,213,00111111,0111,1
1005083410 PCSAT-11>BEACON,SGATE:US Naval Academy Prototype Comm. Sat. PCsat(B)
1005101811 PCSAT-11>BEACON,SGATE:US Naval Academy Prototype Comm. Sat. PCsat(B)
1005115406 PCSAT-11>BEACON,SGATE:T#474,077,082,091,080,213,00111111,0101,1
1005115410 PCSAT-11>BEACON,SGATE:US Naval Academy Prototype Comm. Sat. PCsat(B)
mlark:/opt/vodall/sbin #
```

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Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

85. [aprssig] Re: PCsat PAGING test

From: Phil Reed <preed@dnaco.net>
Date: Sat, 05 Oct 2002 10:44:29 -0400
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-101829-2002.10.05-10.26.59--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Looks like I just got it here south of Dayton, moments ago.

...phil / w8sca

"For a list of all the ways technology has failed
to improve the quality of life, press 3."

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Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

86. [aprssig] Re: PCsat PAGING test

From: "Roy Bost" <rbost@itexas.net>
Date: Sat, 5 Oct 2002 10:13:41 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: "Cap Pennell" <cap@cruzio.com>
Message-ID: <LYR842-101831-2002.10.05-10.56.20--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Received message 10-05-02 03:36 CDT in Granbury Tx.

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87. [aprssig] Re: messaging

From: Ken Cechura <kcechura@umr.edu>
Date: Sat, 05 Oct 2002 08:18:21 -0700
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-101832-2002.10.05-11.01.25--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Thanks to all who emailed me!! unfortunately, im only running a TT2 for the next month or so.... and my tracker appears to have been not functioning properly on my trip up here, i THINK (or hope,,,,) that i just lost a ground wire on my radio connector cable......

will find out soon... assuming i can find a soldering iron around here.... I am wondering if the GPS is sensitive enough to be mounted IN the dashbopard as I have done.... the antenna may get pulled through to the tob of the dash if i get an opportunity....

73
Ken

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Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

88. [aprssig] Re: PCsat TEST

From: Bob Bruninga <bruninga@usna.edu>
Date: Sat, 5 Oct 2002 13:29:34 -0400 (EDT)
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: TAPR APRS Special Interest Group <aprssig@lists.tapr.org>
Message-ID: <LYR842-101836-2002.10.05-13.11.42--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Great! All the way to the west coast.
We will be trying agin tonight.
bob

On Sat, 5 Oct 2002, Bill Vodall - WA7NWP wrote:

>
> Disk space is cheap and RF packets are cool - so I save them all...   Here's what
> I heard from PCSAT yesterday at the home station in Redmond, Wa.
>
> 73,
> Bill - WA7NWP
>
>
> ----
>

```
> mlark:/opt/vodall/sbin # grep PCSAT- 021004
> 1004034346 PCSAT-11>BEACON,SGATE:T#992,161,167,067,213,213,00111111,0111,1
> 1004071146 PCSAT-11>BEACON,SGATE:T#044,157,164,071,212,213,00111111,0111,1
> 1004071211 PCSAT-11>BEACON,SGATE:US Naval Academy Prototype Comm. Sat. PCsat(B)
> 1004071611 PCSAT-11>BEACON,SGATE:US Naval Academy Prototype Comm. Sat. PCsat(B)
> 1004090346 PCSAT-11>BEACON,SGATE:T#072,150,161,070,212,213,00111111,0111,1
> 1004104346 PCSAT-11>BEACON,SGATE:T#097,077,040,052,051,213,00111111,0100,1
> 1004104746 PCSAT-11>BEACON,SGATE:T#098,071,086,092,071,213,00111111,0101,1
> 1005013144 PCSAT-11>BEACON,SGATE:T#319,099,089,083,107,213,00111111,0110,1
> 1005013209 PCSAT-11>BEACON,SGATE:US Naval Academy Prototype Comm. Sat. PCsat(B)
> 1005013356 PCSAT>APRS,PCSAT-11*::ALL      :This Message sent to you via PCsat direct!
> 1005030703 PCSATW>APS215,PCSAT-11*:ALL      :Test via PCSAT to 144.39 de ke6afe CM86xx.{1s}
> 1005030713 PCSATW>APS215,PCSAT-11*:ALL      :This Message sent to you via PCsat direct!{1r}
> 1005031246 PCSATW>APS215,PCSAT-11*:ALL      :Test via PCSAT to 144.39 de ke6afe CM86xx.{1s}
> 1005082823 PCSATW>APS215,PCSAT-11*:ALL      :Test, PCSAT > 144.39! de ke6afe in Calif.{1u}
> 1005082938 PCSATW>APS215,PCSAT-11*:ALL      :Test, PCSAT to 144.39! de ke6afe in Calif.{1v}
> 1005082939 PCSATW>APS215,PCSAT-11*:ALL      :Test, PCSAT to 144.39! de ke6afe in Calif.{1v}
> 1005083006 PCSAT-11>BEACON,SGATE:T#423,084,095,085,150,213,00111111,0110,1
> 1005083148 PCSAT>APRS,PCSAT-11*::ALL      :This Message sent to you via PCsat direct!
> 1005083203 PCSATW>APS215,PCSAT-11*:ALL      :This Message sent to you via PCsat direct!{1r}
> 1005083222 PCSATW>APS215,PCSAT-11*:ALL      :Test, PCSAT to 144.39! de ke6afe in Calif.{1v}
> 1005083406 PCSAT-11>BEACON,SGATE:T#424,149,160,090,212,213,00111111,0111,1
> 1005083410 PCSAT-11>BEACON,SGATE:US Naval Academy Prototype Comm. Sat. PCsat(B)
> 1005101811 PCSAT-11>BEACON,SGATE:US Naval Academy Prototype Comm. Sat. PCsat(B)
> 1005115406 PCSAT-11>BEACON,SGATE:T#474,077,082,091,080,213,00111111,0101,1
> 1005115410 PCSAT-11>BEACON,SGATE:US Naval Academy Prototype Comm. Sat. PCsat(B)
> mlark:/opt/vodall/sbin #
>
>
```

> ---
> You are currently subscribed to aprssig as: bruninga@usna.edu
> To unsubscribe send a blank email to leave-aprssig-842K@lists.tapr.org
> Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

de WB4APR@amsat.org, Bob

PCsat WEB page http://www.ew.usna.edu/~bruninga/pcsat.html
ISS-APRS FAQ: http://www.ew.usna.edu/~bruninga/iss-faq.html
CUBESAT Designs http://www.ew.usna.edu/~bruninga/cubesat.html
APRS LIVE pages http://www.ew.usna.edu/~bruninga/aprs.html
APRS SATELLITES http://www.ew.usna.edu/~bruninga/astars.html
MIM/Mic-E/Mic-Lite http://www.toad.net/~wclement/bruninga/mic-lite.html

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Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

---

89. [aprssig] Re: PCsat PAGING test (2)

From: Bob Bruninga <bruninga@usna.edu>
Date: Sat, 5 Oct 2002 13:36:05 -0400 (EDT)
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: Cap Pennell <cap@cruzio.com>
Message-ID: <LYR842-101837-2002.10.05-13.18.14--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

APRSdom,

We will conduct the national APRS Satellite Paging test again tonight because last evenings test fell apart quickly. One of the family cars broke down, then I was pressed in to dad's taxi service picking up the pieces all over town and was mobile in my wife's car during all passes. Further, I didnt get the word out to Cap Pennel on the west coast in time so he missed the prime uplink out there.

Tonight is not perfect either, and I will again do the east coast uplink from my wife's car as PCSATE, and cap will do it for the west coast using PCSATW again Saturday night.

You dont have to do anything, but make sure your mobile rig is ON and the message buffer has been read so there is room to receive a message from PCsat as it flies over on 144.39. Then before you go to bed, go see what you captured. The passes are between the late afternoon and 10PM or so maybe.

If you have a D7 HT, also consider setting it outside on a picnic table to see what it gets.

Oh, and send reception reports to me (not to sig) and I will summarize..

Thanks!
de WB4APR, Bob

On Fri, 4 Oct 2002, Bob Bruninga wrote:

> OK gang, (and Cap)
>
> One of the main features of PCsat was a separate downlink transmitter on
> 144.39 so that we could send a message to ANYONE in north America no
> matter where they were.
>
> In the year of operations only a half dozen or so individuals asked to use
> that channel. And then mostly for uplink of posits instead of messages.
>
> So, Tonight I am going to do a test to see who all I can send a message
> to. So I will send a message to ALL that will come down on 144.39 no
> matter where you are and lets see who gets it. When you park your car
> tonight, leave the rig on and make sure your MSG buffer is not full!
>
> By the time you go to bed, go check your messages and see if you got it...
>
> P.S. I need an UPLINK station on the WEST coast to do the same uplink out
> there. Cap Pennel, are you available?
>
> de WB4APR@amsat.org, Bob
>
> PCsat WEB page   http://www.ew.usna.edu/~bruninga/pcsat.html
> ISS-APRS FAQ: http://www.ew.usna.edu/~bruninga/iss-faq.html
> CUBESAT Designs   http://www.ew.usna.edu/~bruninga/cubesat.html
> APRS LIVE pages   http://www.ew.usna.edu/~bruninga/aprs.html
> APRS SATELLITES   http://www.ew.usna.edu/~bruninga/astars.html
> MIM/Mic-E/Mic-Lite http://www.toad.net/~wclement/bruninga/mic-lite.html
>
>
>
> ---
> You are currently subscribed to aprssig as: bruninga@usna.edu
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> Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org
>

de WB4APR@amsat.org, Bob

PCsat WEB page   http://www.ew.usna.edu/~bruninga/pcsat.html
ISS-APRS FAQ: http://www.ew.usna.edu/~bruninga/iss-faq.html
CUBESAT Designs   http://www.ew.usna.edu/~bruninga/cubesat.html
APRS LIVE pages   http://www.ew.usna.edu/~bruninga/aprs.html
APRS SATELLITES   http://www.ew.usna.edu/~bruninga/astars.html
MIM/Mic-E/Mic-Lite http://www.toad.net/~wclement/bruninga/mic-lite.html

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Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

90. [aprssig] Got the messages..

From: Wally Foster <wfoster@hsc.usc.edu>
Date: Sat, 05 Oct 2002 12:19:46 -0700
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-101843-2002.10.05-15.01.55--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Came in last nite from Cap..

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Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

91. [aprssig] Re: PCsat PAGING test

From: "Bruce Tobias" <wb9woz@attbi.com>
Date: Sat, 5 Oct 2002 14:35:44 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-101845-2002.10.05-15.18.08--lyris.aprssig#tapr.org@lists.tapr.org>

Rendered body type: text/plain

All messages received here in Chicago area

Bruce
wb9woz

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Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

---

92. [aprssig] Re: PCsat PAGING test (2)

From: Bob Bruninga <bruninga@usna.edu>
Date: Sat, 5 Oct 2002 17:17:12 -0400 (EDT)
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: Cap Pennell <cap@cruzio.com>
Message-ID: <LYR842-101850-2002.10.05-16.59.32--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

On Sat, 5 Oct 2002, Bob Bruninga wrote:

> We will conduct the national APRS Satellite Paging test again tonight...
>
> Oh, and send reception reports to me (not to sig) and I will summarize..

Please include where you are (city/state) so I dont have to look up
everyone's call on QRZ. Thanks.
Bob

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To unsubscribe send a blank email to leave-aprssig-842K@lists.tapr.org
Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

---

93. [aprssig] Re: PCsat PAGING test (2)

From: Bob Bruninga <bruninga@usna.edu>
Date: Sat, 5 Oct 2002 17:17:55 -0400 (EDT)
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: TAPR APRS Special Interest Group <aprssig@lists.tapr.org>,
Cap Pennell <cap@cruzio.com>
Message-ID: <LYR842-101851-2002.10.05-17.07.43--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Remind me again where you are?
Thanks.
Bob

On Sat, 5 Oct 2002, Wally Foster wrote:

```
> Got these lines last nite..
>
>
> ALL<PCSATW Test, PCSAT > 144.39! de ke6afe in Calif.{1u APS215,PCSAT-11*/V
> 2002/10/05 08:28:49
> ALL<PCSATW Test, PCSAT to 144.39! de ke6afe in Calif.{1v APS215,PCSAT-11*/V
> 2002/10/05 08:30:05
> ALL<PCSAT This Message sent to you via PCsat direct! APRS,PCSAT-11*/V 2002/10/05
> 08:32:14
>
> Bob Bruninga wrote:
>
> > APRSdom,
> >
> > We will conduct the national APRS Satellite Paging test again tonight
> > because last evenings test fell apart quickly.  One of the family cars
> > broke down, then I was pressed in to dad's taxi service picking up the
> > pieces all over town and was mobile in my wife's car during all passes.
> > Further, I didnt get the word out to Cap Pennel on the west coast in time
> > so he missed the prime uplink out there.
> >
> > Tonight is not perfect either, and I will again do the east coast uplink
> > from my wife's car as PCSATE, and cap will do it for the west coast using
> > PCSATW again Saturday night.
> >
> >
> >
> >
> >
> >
> >
> >
>

de WB4APR@amsat.org, Bob

PCsat WEB  page     http://www.ew.usna.edu/~bruninga/pcsat.html
ISS-APRS FAQ:       http://www.ew.usna.edu/~bruninga/iss-faq.html
CUBESAT Designs     http://www.ew.usna.edu/~bruninga/cubesat.html
APRS LIVE pages     http://www.ew.usna.edu/~bruninga/aprs.html
APRS SATELLITES     http://www.ew.usna.edu/~bruninga/astars.html
MIM/Mic-E/Mic-Lite  http://www.toad.net/~wclement/bruninga/mic-lite.html


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Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org
```

94. [aprssig] PC SAT; Beacon Text

From: "Matthew Stennett" <wa4tkg@iwon.com>
Date: Sat, 5 Oct 2002 19:49:53 -0400 (EDT)
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-101866-2002.10.05-19.32.10--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

```
I THOUGHT that if I had the following text in my BEACON,
that I would post my position on the screen, without my
computer running:
Can someone CONFIRM this?

Here is my text as it is presently set:

!3016.32/08126.14W&MacAPRS QRT@291225z/WA4TKG-1 MAIL * WA4TKG-2 DIGI  * 24/
7 Emergency Power

------------------------------------------------
Changed your e-mail?  Keep your contacts!  Use this free e-mail change of address service from Return
Path.  Register now!

---
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Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org
```

95. [aprssig] RE: PC SAT; Beacon Text

From: "AE5PL Lists" <HamLists@ametx.com>
Date: Sat, 5 Oct 2002 18:58:10 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-101867-2002.10.05-19.40.14--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

```
> -----Original Message-----
> From: Matthew Stennett [mailto:wa4tkg@iwon.com]
> Posted At: Saturday, October 05, 2002 6:52 PM
> Subject: [aprssig] PC SAT; Beacon Text
>
> I THOUGHT that if I had the following text in my BEACON,
> that I would post my position on the screen, without my
> computer running: Can someone CONFIRM this?
>
> Here is my text as it is presently set:
>
> !3016.32/08126.14W&MacAPRS QRT@291225z/WA4TKG-1 MAIL *

Should be: !3016.32N/08126.14W& etc.

Note you were missing the North indicator.

73,

Pete Loveall AE5PL
pete@ae5pl.net

---
You are currently subscribed to aprssig as: lyris.aprssig@tapr.org
```

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Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

96. [aprssig] Rochester-Buffalo Experimental Digi Active

From: "Ev Tupis (W2EV)" <w2ev@arrl.net>
Date: Sat, 05 Oct 2002 21:37:46 -0400
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-101877-2002.10.05-21.29.13--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

In case you haven't seen it yet (it just activated tonight), I've activated W2AAA-1... an experimental WIDEn-N/TRACEn-N digipeater well suited to link the Toronto/Buffalo area with Rochester and points east.

75 watts & vertical Double Extended Zepp antenna on a hilltop.

Here's hoping that it will fill a gap for the APRS community while I run some configuration tests before I move it.

Just FYI.

Ev, W2EV

---
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To unsubscribe send a blank email to leave-aprssig-842K@lists.tapr.org
Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

97. [aprssig] Source for Garmin GPS35-hvs?

From: "Ev Tupis (W2EV)" <w2ev@arrl.net>
Date: Sat, 05 Oct 2002 21:46:02 -0400
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-101879-2002.10.05-21.37.18--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Refurbished is fine...prefer new...but I'm pretty cheap. :o)

What say?
Ev,W2EV

---
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Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

98. [aprssig] Lucent DSLPipe Modem/Router

From: "Eric Christensen" <christensene@mebtel.net>
Date: Sat, 5 Oct 2002 22:11:29 -0400
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-101881-2002.10.05-21.54.10--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Is anyone using a Lucent DSLPipe Modem/Router that has been able to allow a computer on the LAN be accessed from the WAN? I am attempting to setup some equipment here that I will need to access from the "outside" and it isn't as easy as it was when I was running on cable...

Eric KF4OTN

---
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Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

99. [aprssig] OT: Programing THD7AG via PC

From: Robert W Burton <kd4ydc@juno.com>
Date: Sat, 5 Oct 2002 22:27:06 -0400
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-101885-2002.10.05-22.11.21--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Ok,
This would actually allow me to run APRS portable with my laptop if I

could get this to work. I did start out with the ht in trying to program
it, but I keep getting com. failures (it says). Tried a different
computer...that didn't work. I have tried changing baud rates and that
doesn't work. Bottom line...I can't get the PC to hook up to the ht.
What am I doing wrong? It does "beep" at me (the ht) when you "start a
command"...but that is far as I get.
Help!
Robert
KD4YDC

____

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Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

100. [aprssig] Kenwood D700/D7 Firmware

From: "Eric Christensen" <christensene@mebtel.net>
Date: Sat, 5 Oct 2002 22:40:23 -0400
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-101886-2002.10.05-22.23.00--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Is there going to be an upgrade in the firmware that is in the
D700/D7? I could think of a few (or more) changes I would like to
see, but I don't know who to address it to.

Eric KF4OTN

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To unsubscribe send a blank email to leave-aprssig-842K@lists.tapr.org
Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

101. [aprssig] Re: Source for Garmin GPS35-hvs?

From: Jeff King <jeff@aerodata.net>
Date: Sun, 6 Oct 2002 00:37:11 -0400
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: <aprssig@lists.tapr.org>
Message-ID: <LYR842-101895-2002.10.06-00.19.48--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Why the GPS-35? The GPS-16 is the same price + it has WAAS.

BTW, I'll be buying a qty of these in the very near future and would be happy
to add anyone else to the list if they want one. E-mail me off SIG and I'll
let you know where I am at. Should firm it up by Tuesday. Price should be
around ~$140 + shipping depending on what kind of mount you want (none or the
mag mount).

--
Jeff King, jeff@aerodata.net on 10/06/2002

On Sat, 05 Oct 2002 21:46:02 -0400, Ev Tupis (W2EV) wrote:
>Refurbished is fine...prefer new...but I'm pretty cheap. :o)
>
>What say?
>Ev,W2EV
>
>
>---
>You are currently subscribed to aprssig as: jeff@aerodata.net
>To unsubscribe send a blank email to leave-aprssig-
>18229V@lists.tapr.org
>Questions regarding the SIG go to the SIG administrator:

>wa1lou@tapr.org

You are currently subscribed to aprssig as: lyris.aprssig@tapr.org
To unsubscribe send a blank email to leave-aprssig-842K@lists.tapr.org
Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

102. [aprssig] Re: Source for Garmin GPS35-hvs?

From: "Thomas M. Schaefer" <toms@xmission.com>
Date: Sat, 5 Oct 2002 22:58:51 -0600
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: <aprssig@lists.tapr.org>
Message-ID: <LYR842-101896-2002.10.06-00.40.43--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

>From looking at the specs, it appears that the GPS 16 is the sucessor to the
35. It even has the mag mount option for $9. To keep with the recommended
HVS model, there does appear to be a HVS version of the 16 which accepts
6-40 V DC unregulated. They even put the RJ45 on the cable end for you.

Tom NY4I
----- Original Message -----
From: "Jeff King" <jeff@aerodata.net>
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: <aprssig@lists.tapr.org>
Sent: Saturday, October 05, 2002 10:37 PM
Subject: [aprssig] Re: Source for Garmin GPS35-hvs?

Why the GPS-35? The GPS-16 is the same price + it has WAAS.

BTW, I'll be buying a qty of these in the very near future and would be
happy
to add anyone else to the list if they want one. E-mail me off SIG and I'll
let you know where I am at. Should firm it up by Tuesday. Price should be
around ~$140 + shipping depending on what kind of mount you want (none or
the
mag mount).

--
Jeff King, jeff@aerodata.net on 10/06/2002

On Sat, 05 Oct 2002 21:46:02 -0400, Ev Tupis (W2EV) wrote:
>Refurbished is fine...prefer new...but I'm pretty cheap. :o)
>
>What say?
>Ev,W2EV
>
>
>---
>You are currently subscribed to aprssig as: jeff@aerodata.net
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>18229V@lists.tapr.org
>Questions regarding the SIG go to the SIG administrator:
>wa1lou@tapr.org

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103. [aprssig] APRS Satgate

From: "Andrew Rich" <andrew.rich@bigpond.com>
Date: Sun, 6 Oct 2002 19:25:44 +1000
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-101908-2002.10.06-05.07.59--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Is there a port i can log onto just for SATGate traffic ?

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---

104. [aprssig] Re: Source for Garmin GPS35-hvs?

From: "Ev Tupis (W2EV)" <w2ev@arrl.net>
Date: Sun, 06 Oct 2002 07:54:16 -0400
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-101914-2002.10.06-07.47.05--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Jeff King wrote:
>
> Why the GPS-35? The GPS-16 is the same price + it has WAAS.

Hi Jeff (and group),
I chose the '35 because it was on closeout back a couple of months ago from some unknown someone for $85 or so and was hoping to take advantage of any left over. I happened to run across the "special closeout" doing a yahoogroups message search to find a member of a yahoogroups list who "found some at a good price" and was arranging a group purchase of same. They never ID'd the source...so I don't have any way to follow up to see if there are any more or not, but I sent the "arranger" a note, just in case.

All that being said, a GPS-16 is fine...but simply potentially more expensive.

'just 'cause you asked. :-)
Ev

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---

105. [aprssig] Re: Rochester-Buffalo Experimental Digi Active

From: Ken Brown <W2KB@compuserve.com>
Date: Sun, 6 Oct 2002 09:24:15 -0400
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-101919-2002.10.06-09.06.34--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

>> In case you haven't seen it yet (it just activated tonight), I've activated W2AAA-1... an experimental WIDEn-N/TRACEn-N digipeater well suited to link the Toronto/Buffalo area with Rochester and points east. <<

Ed,

Here's the posits on my screen in NW New Jersey this morning:

```
W2AAA-1>ID,K3JF-15*,WIDE6-2:>FN03weX# Experimental Temp Digi w2ev@arrl.net
W2AAA-1>ID,KB2EAR-1,WIDE6*:>FN03weX# Experimental Temp Digi w2ev@arrl.net
W2AAA-1>ID,WIDE,N2ZWO-10,WA2UMX-2,W2VER-15*,TRACE5-2:>FN03weX# Experimental
Temporary DIGI w2ev@arrl.net
W2AAA-1>ID,WIDE,N2ZWO-10,WA2UMX-2,W2VER-15,K3JF-15*,TRACE5-1:>FN03weX#
Experimental Temporary DIGI w2ev@arrl.net
W2AAA-1>ID,WIDE,N2ZWO-10,WA2UMX-2,W2VER-15,WC2AES-11,WX2NJ-15*,TRACE5:>FN03
weX# Experimental Temporary DIGI w2ev@arrl.net
W2AAA-1>ID,WIDE,N2ZWO-10,KA2QYE-10,WA2UMX-2,W2VER-15*,TRACE5-1:>FN03weX#
Experimental Temporary DIGI w2ev@arrl.net
W2AAA-1>ID,WIDE,N2ZWO-10,KA2QYE-10,WA2UMX-2,W2VER-15,K3JF-15*,TRACE5:>FN03w
eX# Experimental Temporary DIGI w2ev@arrl.net
W2AAA-1>ID,WIDE*,WIDE6-1:>FN03weX# Experimental Temp Digi w2ev@arrl.net
W2AAA-1>ID,K3JF-15*,WIDE6:>FN03weX# Experimental Temp Digi w2ev@arrl.net
W2AAA-1>ID,WIDE*,WIDE6-2:>FN03weX# Experimental Temp Digi w2ev@arrl.net
W2AAA-1>ID,K3JF-15*,WIDE6-1:>FN03weX# Experimental Temp Digi w2ev@arrl.net
W2AAA-1>ID,WC2AES-11*,WIDE6:>FN03weX# Experimental Temp Digi w2ev@arrl.net
```

```
W2AAA-1>ID,WIDE,N2ZWO-10,WA2UMX-2,W2VER-15*,TRACE5-2:>FN03weX# Experimental
Temporary DIGI w2ev@arrl.net
W2AAA-1>ID,WIDE,N2ZWO-10,WA2UMX-2,W2VER-15,K3JF-15*,TRACE5-1:>FN03weX#
Experimental Temporary DIGI w2ev@arrl.net
```

73,

---Ken   W2KB@ARRL.net   VC-NJ   KofC

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106. [aprssig] Garmin GPS35-hvs..16? <LYR27917-101895-2002.10.06-00.19.48--khufford#comcast.net@lists.tapr.org>

From: KENT HUFFORD <khufford@comcast.net>
Date: Sun, 06 Oct 2002 10:55:20 -0400
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-101927-2002.10.06-10.37.37--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

I have one of each. The 35 is smaller, the size of a small PC mouse. The 16 is twice as large, the size of two hockey pucks taped together. I bought them both at www.GPSCITY.com. I see know they have a cheaper GPS made in Taiwan.

WAAS is nice, but not always there. The RJ-45 is a small connector, but doesn't "connect" to anything that I know of in the HAM world....yet.

So you got to cut it off, or use a male-to-male RJ45 adapter and some CAT 5 cable to an adaptor, which I have done.

73s
Kent
KQ4KK

-----Original Message-----
From: bounce-aprssig-27917@lists.tapr.org
[mailto:bounce-aprssig-27917@lists.tapr.org] On Behalf Of Jeff King
Sent: Sunday, October 06, 2002 12:37 AM
To: TAPR APRS Special Interest Group
Cc: aprssig@lists.tapr.org
Subject: [aprssig] Re: Source for Garmin GPS35-hvs?

Why the GPS-35? The GPS-16 is the same price + it has WAAS.

BTW, I'll be buying a qty of these in the very near future and would be
happy
to add anyone else to the list if they want one. E-mail me off SIG and
I'll
let you know where I am at. Should firm it up by Tuesday. Price should
be
around ~$140 + shipping depending on what kind of mount you want (none
or the
mag mount).

--
Jeff King, jeff@aerodata.net on 10/06/2002

>---

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107. [aprssig] Satellite paging test QUESTION

From: Bob Bruninga <bruninga@usna.edu>
Date: Sun, 6 Oct 2002 11:06:40 -0400 (EDT)
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-101928-2002.10.06-10.48.52--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

I need to know D7 and D700's or other mobiles who heard the heard the
PCsat downlink paging test on their MOBILE or HT.

Only respond if you had a mobile or HT, I will assume all others are
fixed stations. PLEASE tell me that it is a FOLLOWUP REPORT so that I
dont add you to the list twice.. If you included that infromation the
first time, I already have it . Thanks

I did get one from a HAMHUD.

Thanks

de WB4APR@amsat.org, Bob

```
PCsat WEB  page     http://www.ew.usna.edu/~bruninga/pcsat.html
ISS-APRS FAQ:       http://www.ew.usna.edu/~bruninga/iss-faq.html
CUBESAT Designs     http://www.ew.usna.edu/~bruninga/cubesat.html
APRS LIVE pages     http://www.ew.usna.edu/~bruninga/aprs.html
APRS SATELLITES     http://www.ew.usna.edu/~bruninga/astars.html
MIM/Mic-E/Mic-Lite  http://www.toad.net/~wclement/bruninga/mic-lite.html
```

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---

108. [aprssig] Re: Rochester-Buffalo Experimental Digi Active

From: "Ev Tupis (W2EV)" <w2ev@arrl.net>
Date: Sun, 06 Oct 2002 11:22:03 -0400
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-101931-2002.10.06-11.15.07--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Hi Ken,
This helps me a lot, actually. Thank you for sending it along! It has shown
that I need to dump WIDEn-N ID TX's for this test. I need to better understand
the paths that W2AAA-1's packets are taking, so I'll be changing to launching
via TRACEn-N only (though I'll still process WIDEn-N requests by others).

It looks like things appear to be working so far. My goal is to get a path from
W-NY to New England and New Jersey via all-RF (to link areas of high Amateur
uWave activity). It looks like that's quite possible given what you received.

Thank you sincerely for the help!

Warm regards,
Ev

Ken Brown wrote:
>
> >> In case you haven't seen it yet (it just activated tonight), I've
> activated
> W2AAA-1... an experimental WIDEn-N/TRACEn-N digipeater well suited to link
> the
> Toronto/Buffalo area with Rochester and points east. <<
>
> Ed,
>
> Here's the posits on my screen in NW New Jersey this morning:

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---

109. [aprssig] PCSat

From: blitz <blitz@macronet.net>
Date: Sun, 06 Oct 2002 04:06:45 -0400
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-101934-2002.10.06-11.18.58--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Loud and clear here at 02:26 eastern.

Seen some w6's on it too....

```
---
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```

110. [aprssig] Re: Garmin GPS35-hvs

From: "Mark Fellhauer" <sparkfel@qwest.net>
Date: Sun, 06 Oct 2002 14:02:42 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-101955-2002.10.06-14.45.17--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

```
At 09:55 AM 10/6/02, KENT HUFFORD wrote:

>  The RJ-45 is a small connector, but
>doesn't "connect" to anything that I know of in the HAM world....yet.
>
>So you got to cut it off, or use a male-to-male RJ45 adapter and some
>CAT 5 cable to an adaptor, which I have done.

I mounted an RJ-45 keystone jack in a small Radio Shack project box and
brought out the appropriate wires to various jacks - A 6 pin mini-din for
the FT-8500 and a DB-9 for the second (software) serial port on the
KPC-3+.   I also power the TNC through the 2nd serial port, which makes for
a very clean installation.   Power for the GPS and TNC are supplied into
the project box via a fused pigtail terminated with an Anderson
PowerPole.   I use pre-made cables to get data to the TNC and transceiver.

I soldered all connections to the DB-9 and 6-pin mini-DIN and then punched
down the wires on the RJ-45 jack appropriately.   This was very easy to do
and has served me well for 4 years.  The really nice part was that I just
soldered fairly long wires to the jacks, and then mounted everything in the
project box and then ran wires to the keystone jack.  Punching down the
wires meant no soldering inside the project box and that I could route the
wires in the best manner possible.   It would've been a nightmare to solder
all the wires up and then try to mount the jacks in the project box.    I
even have some no-tool RJ-45 jacks these days...

I also wanted the ability the use my RJ-45 plug equipped GPS-36 with a
laptop, desktop, or hand computer (RS-232 port); so I bought a modular
female DB-9 to RJ-45 jack adapter; the kind commonly seen on the backs of
POS terminals.    They cost about a buck each and are designed to be custom
pinned.  I drilled a small hole in the shell of the adapter and ran a
pigtail out for power - again terminated with a PowerPole.   But, depending
on the GPS you have, one could terminate it with a PS/2 plug and power the
GPS via keyboard port.

73,

Mark
KC7BXS



---
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```

111. [aprssig] Re: Source for Garmin GPS35-hvs?

From: "lmoffitt" <lmoffitt@bellsouth.net>
Date: Sun, 6 Oct 2002 18:02:31 -0400
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-101964-2002.10.06-17.44.10--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

```
bought the 16 for 150 tvnav  lloyd
----- Original Message -----
From: "Ev Tupis (W2EV)" <w2ev@arrl.net>
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Sent: Sunday, October 06, 2002 7:54 AM
Subject: [aprssig] Re: Source for Garmin GPS35-hvs?


Jeff King wrote:
>
> Why the GPS-35? The GPS-16 is the same price + it has WAAS.
```

Hi Jeff (and group),
I chose the '35 because it was on closeout back a couple of months ago from
some
unknown someone for $85 or so and was hoping to take advantage of any left
over. I happened to run across the "special closeout" doing a yahoogroups
message search to find a member of a yahoogroups list who "found some at a
good
price" and was arranging a group purchase of same. They never ID'd the
source...so I don't have any way to follow up to see if there are any more
or
not, but I sent the "arranger" a note, just in case.

All that being said, a GPS-16 is fine...but simply potentially more
expensive.

'just 'cause you asked. :-)
Ev

You are currently subscribed to aprssig as: lmoffitt@bellsouth.net
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Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

112. [aprssig] APRS test

From: Linda Mullen <ad4bl@mosquitonet.com>
Date: Sun, 06 Oct 2002 18:23:16 -0800
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-101979-2002.10.06-22.00.49--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Just to let you know...

I am getting the bulletins from KE6AFE in CA and
from K0RFD in CO. Both bulletins came across
Fairbanks Alaska on the 6:20 pm pass Alaska
Daylight time.
--
Linda <><

Linda AD4BL
ALASKA SEC STM
ad4bl@mosquitonet.com
Fairbanks, Alaska
He came to pay a debt He didn't owe,
because we owed a debt we couldn't pay!

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113. [aprssig] Re: Satellite paging test QUESTION

From: "Rik Stallings" <n7xz@xmission.com>
Date: Mon, 7 Oct 2002 00:20:07 -0600
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-102010-2002.10.07-02.00.47--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Saw it here on my D700 in Utah. I saw it before reading my e-mail so I
didn't pay attention to the time. Sorry.

----- Original Message -----
From: "Bob Bruninga" <bruninga@usna.edu>
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Sent: Sunday, October 06, 2002 9:06 AM
Subject: [aprssig] Satellite paging test QUESTION

> I need to know D7 and D700's or other mobiles who heard the heard the
> PCsat downlink paging test on their MOBILE or HT.

>
> Only respond if you had a mobile or HT, I will assume all others are
> fixed stations. PLEASE tell me that it is a FOLLOWUP REPORT so that I
> dont add you to the list twice.. If you included that infromation the
> first time, I already have it . Thanks
>
> I did get one from a HAMHUD.
>
> Thanks
>
> de WB4APR@amsat.org, Bob
>
> PCsat WEB page   http://www.ew.usna.edu/~bruninga/pcsat.html
> ISS-APRS FAQ: http://www.ew.usna.edu/~bruninga/iss-faq.html
> CUBESAT Designs   http://www.ew.usna.edu/~bruninga/cubesat.html
> APRS LIVE pages   http://www.ew.usna.edu/~bruninga/aprs.html
> APRS SATELLITES   http://www.ew.usna.edu/~bruninga/astars.html
> MIM/Mic-E/Mic-Lite http://www.toad.net/~wclement/bruninga/mic-lite.html
>
>
> ---
> You are currently subscribed to aprssig as: n7xz@xmission.com
> To unsubscribe send a blank email to leave-aprssig-842K@lists.tapr.org
> Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org
>
>

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To unsubscribe send a blank email to leave-aprssig-842K@lists.tapr.org
Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

114. [aprssig] Path Question

From: "Dakota Summerhawk" <dakotas@dotorg.org>
Date: Mon, 7 Oct 2002 05:55:21 -0600
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-102023-2002.10.07-07.33.54--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

I am running Win aprs CE on a jornada 680. I am connected to the internet
via the Denver I gate server. Is there a way that I can set my path to relay
that signal that I am feeding into the I gate into the system for 144.390? I
would like to be able to see the packets that I am sending via the net on
the aprs tracker I have set up in the truck. Any suggestions that I can get
would be helpful.
thanks
Dakota

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Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

115. [aprssig] Re: Source for Garmin GPS35-hvs?

From: Dick Reichenbach <dreichen@columbus.rr.com>
Date: Mon, 07 Oct 2002 09:55:42 -0400
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: TAPR APRS Special Interest Group <aprssig@lists.tapr.org>
Message-ID: <LYR842-102036-2002.10.07-09.35.36--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

It's not a Garmin, but certain Staples stores still have the Rand McNally's for Palm III laying around
for $10. I saw one just last week.

Jeff King wrote:

> Why the GPS-35? The GPS-16 is the same price + it has WAAS.
>
> BTW, I'll be buying a qty of these in the very near future and would be happy
> to add anyone else to the list if they want one. E-mail me off SIG and I'll
> let you know where I am at. Should firm it up by Tuesday. Price should be
> around ~$140 + shipping depending on what kind of mount you want (none or the
> mag mount).
>
> --
> Jeff King, jeff@aerodata.net on 10/06/2002
>

> On Sat, 05 Oct 2002 21:46:02 -0400, Ev Tupis (W2EV) wrote:
> >Refurbished is fine...prefer new...but I'm pretty cheap. :o)
> >
> >What say?
> >Ev,W2EV
> >
> >
> >---
> >You are currently subscribed to aprssig as: jeff@aerodata.net
> >To unsubscribe send a blank email to leave-aprssig-
> >18229V@lists.tapr.org
> >Questions regarding the SIG go to the SIG administrator:
> >wa1lou@tapr.org
>
> ---
> You are currently subscribed to aprssig as: dreichen@columbus.rr.com
> To unsubscribe send a blank email to leave-aprssig-842K@lists.tapr.org
> Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

---
You are currently subscribed to aprssig as: lyris.aprssig@tapr.org
To unsubscribe send a blank email to leave-aprssig-842K@lists.tapr.org
Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

116. [aprssig] PCsat and ISS test

From: Bob Bruninga <bruninga@usna.edu>
Date: Mon, 7 Oct 2002 10:00:31 -0400 (EDT)
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-102039-2002.10.07-09.42.47--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

ISS and PCsat affectionados:

Today and Tomorrow the plan was to conduct a joint ISS/PCsat packet experiment, but due to the complexities of coordination we probably won't know for sure until, or if it happens.

So if you are monitoring the downlinks today, be aware that you may find ISS on its normal freq of 145.800 or it may be over on 145.825. If it is on 145.825 we hope it will respond to these aliases:

RS0ISS, ARISS, WIDE, and possibly W3ADO-1

In any case, it will do callsign substitution and the packets will come down as via RS0ISS*. The fun part will be the fact that both ISS and PCsat are mutually in view during these times:

Oct 7	1209z - 1550z, 1600z - 1630z
Oct 8	0555z - 0613z, 0633z - 1015z
Oct 9	0017z - 0400z, 0417z - 0435z

If ISS or PCsat passes over your location during any of these time frames, there is the SMALL possibility that you might be able to do a dual-hop packet from one to the other spacecraft. The only difficulty will be QRM. So it is best to NOT hog the channel, but set your path and then sit back and transmit a packet once a minute or so, and after it is all over, we see what happened.

Also, as of Sunday, PCsat is back in negative power budget and will only be working when it has been in sun for 10 minutes or so to give it time to charge up. THis means YOUR pass must be after about 9 AM your local time (1 hour on the ground equals 4 minutes for PCsat)

Then again, none of this may come to pass... due to difficuties of scheduling. But since 7-8 October was the last plan I heard, I figured I may as well alert everyone to be watching...

de WB4APR@amsat.org, Bob

PCsat WEB page	http://www.ew.usna.edu/~bruninga/pcsat.html
ISS-APRS FAQ:	http://www.ew.usna.edu/~bruninga/iss-faq.html

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117. [aprssig] Re: Path Question

From: Bill Vodall - WA7NWP <wa7nwp@yahoo.com>
Date: Mon, 07 Oct 2002 07:03:26 -0700
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-102040-2002.10.07-09.49.44--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

```
At 05:55 AM 10/7/02 -0600, Dakota Summerhawk wrote:
>I am running Win aprs CE on a jornada 680. I am connected to the internet
>via the Denver I gate server. Is there a way that I can set my path to relay
>that signal that I am feeding into the I gate into the system for 144.390? I
>would like to be able to see the packets that I am sending via the net on
>the aprs tracker I have set up in the truck.
>thanks
>Dakota

You don't normally want to gate packets full time from the Internet to RF as the
RF net has limited bandwidth.

If you're in a region with limited activity - tjos could be a good thing to
stimulate more activity and interest.  In that case, contact your local Igate operator
and ask him to add you to his 'gate2rf' list.

To get your position sent to RF, simply send a message from the Internet
connected system to any station on the RF system.  The Igate handling the
message with then send out your position report on RF so folks can see where
the message came from.

A third option is to set up an Igate of your own on a different frequency and
gate your and LOTS other of the Internet packets to RF..

Hope that helps.
73,
Bill - WA7NWP


---
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```

118. [aprssig] Re: OT: Programing THD7AG via PC

From: Ralph Milnes <milnes1@rcn.com>
Date: Mon, 07 Oct 2002 11:27:46 -0400
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: Robert W Burton <kd4ydc@juno.com>
Message-ID: <LYR842-102042-2002.10.07-11.09.56--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

```
Robert,

Maybe someone has already answered this. If so, great.

But I couldn't figure out which program you were using to program the D7.

I think one thing you must do with the D7 is turn off the internal TNC --
make sure PACKET or APRS are not in the display.


Ralph KC2RLM

>Ok,
>This would actually allow me to run APRS portable with my laptop if I
>could get this to work.  I did start out with the ht in trying to program
>it, but I keep getting com. failures (it says).  Tried a different
>computer...that didn't work.  I have tried changing baud rates and that
>doesn't work.  Bottom line...I can't get the PC to hook up to the ht.
>What am I doing wrong?  It does "beep" at me (the ht) when you "start a
>command"...but that is far as I get.
>Help!
>Robert
>KD4YDC



---
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```

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119. [aprssig] RE: Satellite paging test QUESTION

From: "W1SAR" <w1sar@searcher.org>
Date: Mon, 7 Oct 2002 09:24:14 -0700
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-102056-2002.10.07-12.06.26--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

```
Received in Northern California by W1SAR-9 (D700 mobile installation) at
16:17 10/5/02 local time (during our ARES SET drill, thanks!).

Drew Witham W1SAR
Shasta County Emergency Coordinator
ARES / RACES / CDF-VIP

http://www.scares.org

> -----Original Message-----
> From: bounce-aprssig-15695@lists.tapr.org
> [mailto:bounce-aprssig-15695@lists.tapr.org]On Behalf Of Bob Bruninga
> Sent: Sunday, October 06, 2002 8:07 AM
> To: TAPR APRS Special Interest Group
> Subject: [aprssig] Satellite paging test QUESTION
>
>
> I need to know D7 and D700's or other mobiles who heard the  heard the
> PCsat downlink paging test on their MOBILE or HT.


---
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```

120. [aprssig] RE: [amsat-bb] AO-16 (fwd)

From: Bob Bruninga <bruninga@usna.edu>
Date: Mon, 7 Oct 2002 12:43:23 -0400 (EDT)
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-102057-2002.10.07-12.25.37--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

```
For what it is worth, fellows, you can also digipeat APRS through other
satellites besides ISS, SAREX, PCsat and UO-22.  You can also now use
sound card software to go via the old 1200 baud PACSATS (AO-16).  Here is
a note on the AMSAT-BB about it..  You can use 2m FM on the uplink, but
you need a UHF ssb RECEIVER for the downlink....  de WB4APR

---------- Forwarded message ----------
Date: Mon, 7 Oct 2002 17:19:49 +0100
From: Howard Long <howard@howardlong.com>
To: Don Woodward <dbwoodw@alltel.net>,
     Amsat Bulletin Board <amsat-bb@AMSAT.Org>
Subject: RE: [amsat-bb] AO-16

Hi Don.

> I decoded the following from AO-16 this morning using MIXW and my
> soundcard. What setups are others using to digipete through AO-16?

I used Douglas KA2UPW's UPW program at
http://members.aol.com/dquagliana/upw/ for the uplink and, like you, MixW
for the downlink.

This allows digipeating of messages.

http://www.g6lvb.com/images/mixw2-2.jpg has a pic of this.

73 Howard G6LVB


---
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```

121. [aprssig] Re: Power for a Temporary Mobile APRS Station

From: larry Also <larrytooalso@yahoo.com>
Date: Mon, 7 Oct 2002 13:02:50 -0700 (PDT)
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: TAPR APRS Special Interest Group <aprssig@lists.tapr.org>, milnes1@rcn.com
Message-ID: <LYR842-102084-2002.10.07-15.45.05--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Recently saw a motorhome where the motor to frame groundstrap failed, cranking current was carried by the parking brake cable, what a melted mess and a jammed parking brake!
carl szentes wrote:P.S. don't forget to fuse both positive and negative wires coming from the battery.
If the car battery ground cable goes "south", i.e. corrosion at the battery ground terminal,
you don't want your radio's ground serving as a path for cranking motor current.....Carl
.

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---

122. [aprssig] PCsat and ISS test cancel

From: Bob Bruninga <bruninga@usna.edu>
Date: Mon, 7 Oct 2002 20:56:23 -0400 (EDT)
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-102109-2002.10.07-20.38.48--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Ignore my post about a possible joint ISS/PCsat test. We were just not able to get this scheduled and now PCsat has reset and is back to daytime-only operations with its batteries going dead into eclipse.

But the good news is that even after more than 2500 deep cycles on its AA nicads and a year in space with only 5 of its 6 solar panels working, PCsat ran well past its last full sun period (ended 30 sep) and got down to 33% eclipses before it reset last night (6 Oct). (35% are its worst case).

Also this last weekend we conducted a nationwide paging test which I will summarize in a following post. Everyone is welcome to continnute to use PCsat as a digipeater while she is in the sun. Though she usually only wakes up after about 16 minutes in the sun (usually after 10 to 11 AM your local time)...

de WB4APR, BOb

On Mon, 7 Oct 2002, Bob Bruninga INCORRECTLY posted the following::

```
> ISS and PCsat affectionados:
>
> Today and Tomorrow the plan was to conduct a joint ISS/PCsat packet
> experiment, but due to the complexities of coordination we probably won't
> know for sure until, or if it happens.
>
> So if you are monitoring the downlinks today, be aware that you may find
> ISS on its normal freq of 145.800 or it may be over on 145.825.  If it is
> on 145.825 we hope it will respond to these aliases:
>
>    RS0ISS, ARISS, WIDE, and possibly W3ADO-1
>
> In any case, it will do callsign substitution and the packets will come
> down as via RS0ISS*.  The fun part will be the fact that both ISS and
> PCsat are mutually in view during these times:
>
> Oct 7           1209z - 1550z, 1600z - 1630z
> Oct 8           0555z - 0613z, 0633z - 1015z
> Oct 9           0017z - 0400z, 0417z - 0435z
>
> If ISS or PCsat passes over your location during any of these time frames,
> there is the SMALL possibility that you might be able to do a dual-hop
> packet from one to the other spacecraft.  The only difficulty will be QRM.
> So it is best to NOT hog the channel, but set your path and then sit back
> and transmit a packet once a minute or so, and after it is all over, we
> see what happened.
>
> Also, as of Sunday, PCsat is back in negative power budget and will only
> be working when it has been in sun for 10 minutes or so to give it time to
> charge up.  THis means YOUR pass must be after about 9 AM your local time
> (1 hour on the ground equals 4 minutes for PCsat)
>
> Then again, none of this may come to pass... due to difficuties of
> scheduling.  But since 7-8 October was the last plan I heard, I figured I
> may as well alert everyone to be watching...
>
> de WB4APR@amsat.org, Bob
>
> PCsat WEB  page     http://www.ew.usna.edu/~bruninga/pcsat.html
> ISS-APRS FAQ:       http://www.ew.usna.edu/~bruninga/iss-faq.html
> ----
> Via the amsat-bb mailing list at AMSAT.ORG courtesy of AMSAT-NA.
> To unsubscribe, send "unsubscribe amsat-bb" to Majordomo@amsat.org
>

de WB4APR@amsat.org, Bob

PCsat WEB  page     http://www.ew.usna.edu/~bruninga/pcsat.html
ISS-APRS FAQ:       http://www.ew.usna.edu/~bruninga/iss-faq.html
CUBESAT Designs     http://www.ew.usna.edu/~bruninga/cubesat.html
APRS LIVE pages     http://www.ew.usna.edu/~bruninga/aprs.html
APRS SATELLITES     http://www.ew.usna.edu/~bruninga/astars.html
MIM/Mic-E/Mic-Lite  http://www.toad.net/~wclement/bruninga/mic-lite.html


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123. [aprssig] FM Satellites week of 7 Oct2002

From: Bob Bruninga <bruninga@usna.edu>
Date: Mon, 7 Oct 2002 21:19:50 -0400 (EDT)
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-102110-2002.10.07-21.02.04--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

```
Mobile/FM Satellite Pass Periods for the week of 10-07-2002

Sats 06 07 08 09 10 11 12 13 14 15 16 17 18 19 20 21 22 23 00 01 02 03
---- -- -- -- -- -- -- -- -- -- -- -- -- -- -- -- -- -- -- -- -- -- --
AO27   **********                       **********
UO14     ***********                      ***********
AO16        **********                       **********
ISS                     ** ************* *************  *
UO22 *****                       **********
PCSAT                       *************
AO-7        **********                    *************
Note:  Times are LOCAL SUN TIME for MID Northern Latitudes.

SOUTHERN Hemisphere pass times:

Sats 06 07 08 09 10 11 12 13 14 15 16 17 18 19 20 21 22 23 00 01 02 03
---- -- -- -- -- -- -- -- -- -- -- -- -- -- -- -- -- -- -- -- -- -- --
AO27 *********                             ***********
UO14   **********                             **********
AO16     **********                             ***********
ISS  ***************                                      ** *********
UO22 **                            ***********                       *
PCSAT              ********** ** *
AO-7 ********** **                          ********** ** **
Note:  Times are LOCAL SUN TIME for MID Southern Latitudes.

SAT  CALL     UPLINK                DONWLINK              MODE       Altd
---- -------  ---------------------  -----------------  -  ---------- ----
AO-7          145.9  -432.15    LSB  145.97 29.502 USB  B  Analog     1450
AO10          435.03 -435.18    LSB  145.975-.825  USB  B  Analog     9000
UO11          none              ..   145.825       AFSK V  1200 ASCII  650
AO40          435.700           LSB  145.898       USB  B  Beacon     9000
ISS           144.49            FM   145.800       FM   V  Voice       370
ISS  RS0ISS   145.99            FM   145.800       AFSK V  1200 bd     370
RS13          145.96 -145.99    LSB   29.460-.50   USB  A  Analog      950
UO14          145.975           FM   435.070       FM   J  Voice       790
RS15          145.858-145.898   LSB   29.380 cntr  USB  A  Analog     2000
AO16 PACSAT-1 145.90,92,94,96   Man  437.051       USB  J  1200 PSK    810
LO19 LUSAT-1  145.84,86,88,90   Man  437.126       USB  J  1200 PSK    805
IO26 ITMSAT-1 145.875,90,925,95 Man  435.822       USB  J  1200 PSK    810
FO20          145.900-145.600   LSB  435.800-.900  USB  J  Analog     1300
FO29          145.900-145.600   LSB  435.800-.900  USB  J  Analog     1050
```

```
FO29          145.85,87,91      FSK  435.910       FSK  J  9600 JD    1050
UO22 UOSAT5   145.900           FSK  435.120       FSK  J  9600 BBS    760
KO25 HL02     145.980           FSK  436.502       FSK  J  9600 BBS    760
AO27          145.85    inop    FM   436.798       FM   J  Voice days  810
SO41          145.85            FM   436.775       FM   J  Voice       790
OPAL KF6RFX   437.100           FSK  437.100       FSK  U  9600 digi   815
NO44 W3ADO-1  145.825 days only AFSK 145.828       AFSK V  1200 bd     805
STARSHINE     145.825   inop    FSK  145.825       FSK  V  9600 bd     440
NO45 KE6QMD   145.945 beeps onlyAFSK 437.095       AFSK J  1200 bd     804
```

AO-7 is not an FM satellite, but I included it here because of its popularity...

de WB4APR, Bob

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124. [aprssig] A ccautionary note: bugbear virus message masquerading as keps

From: Rich Osman <Rich@Osman.com>
Date: Tue, 08 Oct 2002 04:15:54 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-102138-2002.10.08-04.59.11--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

I got this in the morning email. The attachment is the w32.bugbear mailing worm.

It's unlikely that <I6KZR@xmission.com> has anything to do with this beyond being in someone else's addressbook, but I've mailed him anyway.

I'm pretty careful, but I got nailed by this one last week. If you get the virus, look here for authoritative information on detection and repair:

http://securityresponse.symantec.com/avcenter/venc/data/w32.bugbear@mm.html

```
>   Subject: 2L Keplerian Elements #277
>    Date: Tue, 8 Oct 2002 03:19:25 +0200 (added by postmaster@wanadoo.fr)
>    From: I6KZR@xmission.com
>
>
>         Only when the last fish has been caught,
>         Only when the last tree has been cut,
>         Only when the last river has been poisened,
>         Only then will humanity learn you can't eat money.
>                         ~Cree Indian Prophecy
>
> Inviato da: I6KZR@IK6WID.#AP.IMAR.ITA.EU       =20
>
> TO ALL RADIO AMATEURS BT
>
> AO-10
> 1 14129U 83058B
>
>
>
>    EMAILC~1.EML.scr
>
>                        Name: EMAILC~1.EML.scr
>                         Type:Screen Saver (application/x-unknown-content-type-scrfile)
>                     Encoding:base64
>
```

--
mailto:Rich@Osman.com http://www.rich.osman.com
Rich Osman; POB 93167; Southlake, TX 76092 (Near DFW Airport) ARS: N1OZ

If you receive something that says "Send this to everyone you know,"
PLEASE pretend you don't know me.

```
---
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125. [aprssig] No More GPS35-hvs deals known

From: "Ev Tupis (W2EV)" <w2ev@arrl.net>
Date: Tue, 08 Oct 2002 06:47:12 -0400
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-102156-2002.10.08-06.30.51--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

```
After my last posting, I received a message from the person who arranged for the
purchase of the '35-hvs earlier this summer.  They are all gone (from their
source, anyway).  I'll continue to scour the 'net... but I got so many emails
from others who wanted to join me in my purchase (if I ended up being
successful) that I thought I'd just make a blanket announcement of my failure.
:o)

Regards,
Ev, W2EV


---
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126. [aprssig] FCC Database file/record layout?

From: Doug McFadden <kc7imr@orednet.org>
Date: Tue, 8 Oct 2002 05:53:49 -0700 (PDT)
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-102165-2002.10.08-08.49.31--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

```
Does anyone (Sproul's???) have or know where to get the file/record layout
for the FCC Call Database as used in WinAprs???

Seems to me, it would be nice to be able to use the data with other or
my own apps?


Doug/KC7IMR

Trying to establish voice contact ... please yell into your keyboard.
-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-


---
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```

127. [aprssig] Re: FCC Database file/record layout?

From: Alex <kr1st@amsat.org>
Date: Tue, 08 Oct 2002 09:17:47 -0400
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: TAPR APRS Special Interest Group <aprssig@lists.tapr.org>
Message-ID: <LYR842-102166-2002.10.08-08.59.00--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

```
The database definitions are available from the FCC. There are links to
this info on

http://wireless.fcc.gov/cgi-bin/wtb-datadump.pl

I think the FCC even gives you the SQL needed to set up your own
database.

73,
--Alex (KR1ST)

http://www.kr1st.com

Doug McFadden wrote:
>
> Does anyone (Sproul's???) have or know where to get the file/record layout
> for the FCC Call Database as used in WinAprs???
>
```

```
> Seems to me, it would be nice to be able to use the data with other or
> my own apps?
>
> Doug/KC7IMR

---
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128. [aprssig] ISS/PCsat joint-operations test

From: Bob Bruninga <bruninga@usna.edu>
Date: Tue, 8 Oct 2002 09:17:31 -0400 (EDT)
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-102168-2002.10.08-08.59.59--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

```
To all ISS Packet operators:

The ARISS team has agreed to a limited test of the ISS packet system as a
dual-hop constellation with PCsat.  This means that the ISS packet system
will be temporarily QSY'ed to the 145.825 MHz simplex frequency of the
PCsat digipeater so that the two satellites can operate together.  The
objective is to see if the satellites can be used to relay packets from
each other to extend the range via a dual-digipeat hop.  THe duration of
the test  will be about a week or more depending on the needs of the ARISS
radio.  If the crew wants to operate voice, they will QSY back to 145.800.

The precise scheduling of this test is hard to predict but it could be any
day now (8 Oct).  SO if ISS users do not hear ISS on 145.800 as usual,
they should check to see if it is on 145.825.  If so, QSY and operate
normally there.  That means, UI digipeating of very brief user packets is
welcome.  But use your tracking program to also look for DUAL-HOP
possibilities with PCsat.

IF you are in range of ISS, and ISS can see PCsat, then set your unproto
path to UNPROTO CQ VIA RS0ISS,W3ADO-1.

IF you are in range of PCsat and PCsat can see ISS, then set your unproto
path to UNPROTO CQ VIA W3ADO-1,RS0ISS

If you are not 100% knowledgible about how UNPROTO path works, please do
not transmit, but just see if you can capture one of the successful
packets from someone else.

Please do not XMIT too much.  The probabilities of success are very very
limited by QRM, so it would be best if each person only transmitted a few
packets a minute and let others have a chance.  And if you live in a good
REMOTE location, far from the USA and Europe, then your best contribution
will be to LISTEN to see if you receive any dual-hop packets.  If too
many people begin transmitting more often, then the test will fail.

SUCCESSFUL packets will be received like this:

>From ISS to PCSAT:   SENDER>CQ,RS0ISS,W3ADO-1*:....
>From PCsat to ISS:   SENDER>CQ,W3ADO-1,RS0ISS*:....

If anyone captures such a packet, then please report it.  You can also
look for potential successful packets on the ISS and PCSAT web pages:

  http://www.ariss.net
  http://pcsat.aprs.org

BUT REMEMBER, that PCsat has now entered eclipse season and ONLY works in
full sunshine, so do not attempt any transmissions via PCsat in the DARK
or even in the first sunshine.  Give it 10 minutes after entering the
sun to charge up enough to be able to digipeat.  Originally this test was
to have both ISS and PCsat using the generic APRS digipeater aliases of
WIDE so  that users could use UNPROTO CQ VIA WIDE,WIDE.  But since PCsat
cannot remember its settings orbit-by-orbit due to nearly dead batteries,
it is best if you use the exact callsigns noted above.

For today and tomorrow, PCsat and ISS are mutually in view during these
times:

Oct 8           0555z - 0613z, 0633z - 1015z
Oct 9           0017z - 0400z, 0417z - 0435z

If ISS or PCsat passes over your location during any of these time frames,
```

there is the SMALL possibility that you might be able to do a dual-hop
packet from one to the other spacecraft.

Enjoy the test. Limit your transmissions.   Concentrate on what you
can capture...

de WB4APR@amsat.org, Bob

PCsat WEB page   http://www.ew.usna.edu/~bruninga/pcsat.html
ISS-APRS FAQ: http://www.ew.usna.edu/~bruninga/iss-faq.html

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To unsubscribe send a blank email to leave-aprssig-842K@lists.tapr.org
Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

129. [aprssig] Re: A ccautionary note: bugbear virus message masquerading as keps

From: Roger Grady <k9opo@comteck.com>
Date: Tue, 08 Oct 2002 08:19:47 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-102169-2002.10.08-09.02.42--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

At 04:15 AM 10/8/02 -0500, Rich Osman wrote:
>I got this in the morning email. The attachment is the w32.bugbear
>mailing worm.
>
>It's unlikely that <I6KZR@xmission.com> has anything to do with this
>beyond being in someone else's addressbook, but I've mailed him anyway.

I also received one yesterday from this address but my ISP's filtering
software removed the virus. I6KZR is bogus, there's no such user at
xmission.com.

Roger Grady K9OPO

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To unsubscribe send a blank email to leave-aprssig-842K@lists.tapr.org
Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

130. [aprssig] AO-16 PSK with MixW32?

From: "hasan schiers" <schiers@netins.net>
Date: Tue, 8 Oct 2002 08:43:01 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: <mixw@yahoogroups.com>
Message-ID: <LYR842-102170-2002.10.08-09.25.14--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

With MixW32 soundcard software, what mode do you select to copy AO-16 PSK
activity?

Where do I find it in the menus? I only see PSK31 variations, but nothing
for just BPSK.

Tnx, next pass in about 20 min

tnx much,

73, hasan

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Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

131. [aprssig] Re: AO-16 PSK with MixW32?

From: John Hansen <hansen@fredonia.edu>
Date: Tue, 08 Oct 2002 09:47:31 -0400
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-102171-2002.10.08-09.33.18--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

I'd like to know the answer to this too... so please post the response to
the list!

```
Thanks!

John W2FS

At 08:43 AM 10/8/2002 -0500, hasan schiers wrote:
>With MixW32 soundcard software, what mode do you select to copy AO-16 PSK
>activity?
>
>Where do I find it in the menus? I only see PSK31 variations, but nothing
>for just BPSK.
>
>Tnx, next pass in about 20 min
>
>tnx much,
>
>73, hasan
>
>
>
>---
>You are currently subscribed to aprssig as: hansen@fredonia.edu
>To unsubscribe send a blank email to leave-aprssig-842K@lists.tapr.org
>Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org



---
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Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org
```

132. [aprssig] Re: AO-16 PSK with MixW32?

From: "hasan schiers" <schiers@netins.net>
Date: Tue, 8 Oct 2002 08:59:08 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-102172-2002.10.08-09.41.27--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

```
Aha! Found it...set MODE for PACKET, then go into Mode > Mode Settings and
select the right modem...it says "satellite PSK".

I don't know of any other changes at this point, but I'm listening on
437.051 +/- doppler and I'll post what I find.
----- Original Message -----
From: "John Hansen" <hansen@fredonia.edu>
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Sent: Tuesday, October 08, 2002 8:47 AM
Subject: [aprssig] Re: AO-16 PSK with MixW32?


> I'd like to know the answer to this too... so please post the response to
> the list!
>
> Thanks!
>
> John W2FS
>
> At 08:43 AM 10/8/2002 -0500, hasan schiers wrote:
> >With MixW32 soundcard software, what mode do you select to copy AO-16 PSK
> >activity?
> >
> >Where do I find it in the menus? I only see PSK31 variations, but nothing
> >for just BPSK.
> >
> >Tnx, next pass in about 20 min
> >
> >tnx much,
> >
> >73, hasan
> >
> >
> >
> >---
> >You are currently subscribed to aprssig as: hansen@fredonia.edu
> >To unsubscribe send a blank email to leave-aprssig-842K@lists.tapr.org
> >Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org
>
>
>
```

```
> ---
> You are currently subscribed to aprssig as: schiers@netins.net
> To unsubscribe send a blank email to leave-aprssig-842K@lists.tapr.org
> Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org
>



---
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Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org
```

133. [aprssig] Re: AO-16 PSK with MixW32?

```
From: "hasan schiers" <schiers@netins.net>
Date: Tue, 8 Oct 2002 11:00:46 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-102180-2002.10.08-11.43.06--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain
```

```
Well, it works pretty decently. I do need a fairly strong signal. In the
waterfall mode, set your freq with the mouse on the bright band in the
center. Doppler correction is essential. TRX-Manager and Nova seemed to work
as I would have expected. I got quite a few frames. MixW32 worked just
dandy.

...hasan
----- Original Message -----
From: "hasan schiers" <schiers@netins.net>
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Sent: Tuesday, October 08, 2002 8:59 AM
Subject: [aprssig] Re: AO-16 PSK with MixW32?


> Aha! Found it...set MODE for PACKET, then go into Mode > Mode Settings and
> select the right modem...it says "satellite PSK".
>
> I don't know of any other changes at this point, but I'm listening on
> 437.051 +/- doppler and I'll post what I find.
> ----- Original Message -----
> From: "John Hansen" <hansen@fredonia.edu>
> To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
> Sent: Tuesday, October 08, 2002 8:47 AM
> Subject: [aprssig] Re: AO-16 PSK with MixW32?
>
>
> > I'd like to know the answer to this too... so please post the response
to
> > the list!
> >
> > Thanks!
> >
> > John W2FS
> >
> > At 08:43 AM 10/8/2002 -0500, hasan schiers wrote:
> > >With MixW32 soundcard software, what mode do you select to copy AO-16
PSK
> > >activity?
> > >
> > >Where do I find it in the menus? I only see PSK31 variations, but
nothing
> > >for just BPSK.
> > >
> > >Tnx, next pass in about 20 min
> > >
> > >tnx much,
> > >
> > >73, hasan
> > >
> > >
> > >
> > >---
> > >You are currently subscribed to aprssig as: hansen@fredonia.edu
> > >To unsubscribe send a blank email to
leave-aprssig-842K@lists.tapr.org
> > >Questions regarding the SIG go to the SIG administrator:
wa1lou@tapr.org
> >
> >
```

> >
> > ---
> > You are currently subscribed to aprssig as: schiers@netins.net
> > To unsubscribe send a blank email to leave-aprssig-842K@lists.tapr.org
> > Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org
> >
>
>
>
> ---
> You are currently subscribed to aprssig as: schiers@netins.net
> To unsubscribe send a blank email to leave-aprssig-842K@lists.tapr.org
> Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org
>
>

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To unsubscribe send a blank email to leave-aprssig-842K@lists.tapr.org
Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

134. [aprssig] Re: [amsat-bb] AO-16 PSK with MixW32?

From: "hasan schiers" <schiers@netins.net>
Date: Tue, 8 Oct 2002 11:03:50 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: <mixw@yahoogroups.com>
Message-ID: <LYR842-102182-2002.10.08-11.46.23--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Mode > Packet > Mode Settings > Choose PSK Satelltie Modem

Well, it works pretty decently. I do need a fairly strong signal. In the
waterfall mode, set your freq with the mouse on the bright band in the
center. Doppler correction is essential. TRX-Manager and Nova seemed to work
as I would have expected. I got quite a few frames. MixW32 worked just
dandy.

...hasan

----- Original Message -----
From: "hasan schiers" <schiers@netins.net>
To: "TAPR APRS SIG" <aprssig@lists.tapr.org>; <amsat-bb@AMSAT.Org>
Cc: <mixw@yahoogroups.com>
Sent: Tuesday, October 08, 2002 8:43 AM
Subject: [amsat-bb] AO-16 PSK with MixW32?

> With MixW32 soundcard software, what mode do you select to copy AO-16 PSK
> activity?
>
> Where do I find it in the menus? I only see PSK31 variations, but nothing
> for just BPSK.
>
> Tnx, next pass in about 20 min
>
> tnx much,
>
> 73, hasan
>
>
> ----
> Via the amsat-bb mailing list at AMSAT.ORG courtesy of AMSAT-NA.
> To unsubscribe, send "unsubscribe amsat-bb" to Majordomo@amsat.org
>

You are currently subscribed to aprssig as: lyris.aprssig@tapr.org
To unsubscribe send a blank email to leave-aprssig-842K@lists.tapr.org
Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

135. [aprssig] Re: APRS Satgate

From: "Phil Pacier, AD6NH" <ad6nh@arrl.net>
Date: Tue, 8 Oct 2002 18:2:35

To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-102202-2002.10.08-18.44.52--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

```
On 10/06/02, ""Andrew Rich" <andrew.rich@bigpond.com>" wrote:
> Is there a port i can log onto just for SATGate traffic ?

You mean to receive only SatGate traffic?

Phil - AD6NH
www.aprsca.net

---
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Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org
```

136. [aprssig] What a great packet!

From: "Michael J. Wolthuis" <wolthui3@msu.edu>
Date: Tue, 8 Oct 2002 20:15:05 -0400
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-102204-2002.10.08-19.57.20--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

```
This was copied today by the KB8ZGL-5 satgate in Grand Rapids, Michigan
from PCSAT
KK5DO>RS0ISS,W3ADO-1*,AI5TX-2,APRS/1:=2941.80N/09534.52W-Bruce in
Houston EL29fq

I assume that means the test worked, and KK5DO went via ISS to PCSAT and
to the IGATE.

Also, was on W3ADO mobile just before this packet arrived.

Great test, excited to watch further results.

Mike Wolthuis
Kb8zgl
President Michigan State University Amateur Radio Club (W8MSU/W8SH)




---
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Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org
```

137. [aprssig] Re: What a great packet!

From: Bob Bruninga <bruninga@usna.edu>
Date: Tue, 8 Oct 2002 20:20:47 -0400 (EDT)
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: TAPR APRS Special Interest Group <aprssig@lists.tapr.org>
Message-ID: <LYR842-102208-2002.10.08-20.03.08--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

```
On Tue, 8 Oct 2002, Michael J. Wolthuis wrote:

> This was copied today by the KB8ZGL-5 satgate in Grand Rapids, Michigan
> from PCSAT
> KK5DO>RS0ISS,W3ADO-1*,AI5TX-2,APRS/1:=2941.80N/09534.52W-Bruce in
> Houston EL29fq
>
> I assume that means the test worked, and KK5DO went via ISS to PCSAT and
> to the IGATE.

No.  I saw that packet a few days ago also, but looking closely the TOCALL
is RS0ISS, not the digi call.

Bob



---
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```

138. [aprssig] Re: rand mcnally palm GPS

From: "Dave Putman" <putmandv@netscape.net>
Date: Wed, 9 Oct 2002 6:52:17
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-102232-2002.10.09-07.34.40--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

OK! I managed to score two of these units yesterday at my local Staples.
Now, since I do not even own a Palm III <grin>, does anyone have hardware
connection info that I can use to connect this to my D700? URL pointers
accepted :)
Dave KG4KZZ

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Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

139. [aprssig] For you SAR folks

From: Alex <kr1st@amsat.org>
Date: Wed, 09 Oct 2002 08:12:54 -0400
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-102233-2002.10.09-07.54.06--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

I just finished reading the FCC decision on 406 MHz Personal Locator
Beacons (PLB), released yesterday at:

http://hraunfoss.fcc.gov/edocs_public/attachmatch/FCC-02-271A1.pdf

It states that

<quote>
"EPIRBs and ELTs designed to transmit distress signals on 406.025 MHz
transmit short, digital signals to provide distress alerting in
emergencies, and use 121.500 MHz to provide homing. The 406.025 MHz
digital signal contains information on the type of emergency, the
country and identification code of the beacon in distress, and other
information to facilitate SAR operations.
</quote>

Would these devices be able to include GPS and could location data be
part of the "other information to facilitate SAR operations"?

I mean, if your infrastructure is there, why not go for the full mile
and offer the option to include this information.....or is this info
available on the 121.5 MHz signal?

I guess I need to read up a bit more to get a better understanding of
how this works. Any good links are very much appreciated.

73,
--Alex (KR1ST)

http://www.kr1st.com

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To unsubscribe send a blank email to leave-aprssig-842K@lists.tapr.org
Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

140. [aprssig] Re: rand mcnally palm GPS

From: "Chris Devine" <vistaeng@alltel.net>
Date: Wed, 9 Oct 2002 08:15:42 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-102244-2002.10.09-08.57.38--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Dave,

Check out http://www.radiohound.com/randgps.htm .

It works great, no problems at all. Slow to get initial fix, but good with
small sky view.

73,
Chris KK5XF

-----Original Message-----
From: bounce-aprssig-17413@lists.tapr.org

```
[mailto:bounce-aprssig-17413@lists.tapr.org]On Behalf Of Dave Putman
Sent: Wednesday, October 09, 2002 6:52 AM
To: TAPR APRS Special Interest Group
Subject: [aprssig] Re: rand mcnally palm GPS


OK!  I managed to score two of these units yesterday at my local Staples.
Now, since I do not even own a Palm III <grin>, does anyone have hardware
connection info that I can use to connect this to my D700?  URL pointers
accepted :)
Dave KG4KZZ

---
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Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org
```

141. [aprssig] Commercial equipment

From: WCovey@aol.com
Date: Wed, 09 Oct 2002 11:52:28 -0400
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-102252-2002.10.09-11.34.51--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

```
Greetings from Connecticut,
The W1GTT-15 digi, in Connecticut, is off the air because of a failed transceiver. It has been in almost
 constant use as a digi for close to 6 years. It was a Yaesu CPU-2500R and it has been repaired a few
times, but now I want a commercial radio to replace it.  The site of the digi is at a commercial tower
installation with lots of RF around. That's the reason for a better piece of equipment.
I've contact Buck Rogers, but he no longer sells the radios modified and ready to go, only unmodified
with instructions on how to do the modifications. I don't have the time to do the mods.
I'm in the market for a commercial radio ready to go on the 144.39 APRS freq. or a recommendation for a
GOOD amateur radio to fill the need.  I'm using the KPC-3 Plus TNC.
Any recommendations??

I receive the list in digest, so if you have any thoughts on this, please send direct to my email.


73  Bill, W1GTT@AOL.COM


---
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```

142. [aprssig] APRSd 2.2.3 Q compatability?

From: "Michael J. Wolthuis" <wolthui3@msu.edu>
Date: Wed, 9 Oct 2002 12:13:24 -0400
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-102256-2002.10.09-11.55.16--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

```
Everyone,
I am confused a little about which APRSd I should be running at this
point.  I try and help maintain 3 IGATES and a SATGATE in Michigan which
are currently running APRSd 2.2.3 latest from CVS, but it appears that
this has none of the Q construct setup in it.  I know we are still
backwards compatible, but when will the latest helpful additions be
added to the latest APRSd?

Is it better to switch to javAPRS??

Thanks for the help, I just want to stay up to date.

Mike
Kb8zgl



---
```

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Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

143. [aprssig] Test

From: "w8krr" <w8krr@msn.com>
Date: Wed, 9 Oct 2002 13:12:02 -0400
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-102261-2002.10.09-12.55.28--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Test - please delete.
Mike

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To unsubscribe send a blank email to leave-aprssig-842K@lists.tapr.org
Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

144. [aprssig] PMap OCX

From: "John Thurston" <n0meq@cox.net>
Date: Wed, 9 Oct 2002 17:44:56
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-102296-2002.10.09-18.27.11--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

I am running a trail version of precision mapping ver 5.0 which at one time
was a "Chicago Map" company but is now known as "UnderTow Software". I have
the PMap.OCX loaded in the same directory as WinAprs 2.5.1 but it continues
giving me a "Failed to create Pmap Ocx control" message. I have re-booted
the computer but I still get the same message.

Any help would be great!
Thanks

N0MEQ

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To unsubscribe send a blank email to leave-aprssig-842K@lists.tapr.org
Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

145. [aprssig] RE: PMap OCX

From: "Andrew Rich" <andrew.rich@bigpond.com>
Date: Thu, 10 Oct 2002 09:40:56 +1000
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-102300-2002.10.09-19.23.18--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

You sound like you are missing some visual basic essentials ?

try install8ing visual basic runtime files

-----Original Message-----
From: bounce-aprssig-30130@lists.tapr.org
[mailto:bounce-aprssig-30130@lists.tapr.org]On Behalf Of John Thurston
Sent: Wednesday, 9 October 2002 17:45
To: TAPR APRS Special Interest Group
Subject: [aprssig] PMap OCX

I am running a trail version of precision mapping ver 5.0 which at one time
was a "Chicago Map" company but is now known as "UnderTow Software". I have
the PMap.OCX loaded in the same directory as WinAprs 2.5.1 but it continues
giving me a "Failed to create Pmap Ocx control" message. I have re-booted
the computer but I still get the same message.

Any help would be great!
Thanks

N0MEQ

You are currently subscribed to aprssig as: andrew.rich@bigpond.com
To unsubscribe send a blank email to leave-aprssig-842K@lists.tapr.org
Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

---
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To unsubscribe send a blank email to leave-aprssig-842K@lists.tapr.org
Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

146. [aprssig] RE: PMap OCX

From: "Andrew Rich" <andrew.rich@bigpond.com>
Date: Thu, 10 Oct 2002 09:45:14 +1000
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-102301-2002.10.09-19.27.42--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

ocx control is a visual basic runtine library

-----Original Message-----
From: bounce-aprssig-30130@lists.tapr.org
[mailto:bounce-aprssig-30130@lists.tapr.org]On Behalf Of John Thurston
Sent: Wednesday, 9 October 2002 17:45
To: TAPR APRS Special Interest Group
Subject: [aprssig] PMap OCX

I am running a trail version of precision mapping ver 5.0 which at one time
was a "Chicago Map" company but is now known as "UnderTow Software". I have
the PMap.OCX loaded in the same directory as WinAprs 2.5.1 but it continues
giving me a "Failed to create Pmap Ocx control" message. I have re-booted
the computer but I still get the same message.

Any help would be great!
Thanks

N0MEQ

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Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

147. [aprssig] Re: For you SAR folks

From: "Joe Della Barba" <joe@dellabarba.com>
Date: Wed, 9 Oct 2002 19:46:36 -0400
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-102302-2002.10.09-19.29.16--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

The 406 MHz ELT/EPIRBS can contain GPS info and some of them either have a
built in GPS or a NMEA port for one.
73
Joe
N3HGB-5

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148. [aprssig] Re: PMap OCX

From: "Wes Johnston" <wes@johnston.net>
Date: Wed, 9 Oct 2002 20:56:46 -0400
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: <aprssig@tapr.org>
Message-ID: <LYR842-102303-2002.10.09-20.39.18--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

There is a batch file which comes with the pmap ocx file. You need to run
it per the instructions contained in the winaprs docs available at the
rutgers web site for winaprs.

If you are running win2000 or other winNT derivation, there are extra instructions.

Wes

----- Original Message -----
From: "John Thurston" <n0meq@cox.net>
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Sent: Wednesday, October 09, 2002 5:44 PM
Subject: [aprssig] PMap OCX

> I am running a trail version of precision mapping ver 5.0 which at one time
> was a "Chicago Map" company but is now known as "UnderTow Software". I have
> the PMap.OCX loaded in the same directory as WinAprs 2.5.1 but it continues
> giving me a "Failed to create Pmap Ocx control" message. I have re-booted
> the computer but I still get the same message.
>
> Any help would be great!
> Thanks
>
> N0MEQ
>
> ---
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---

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---

149. [aprssig] Maps of Canada for Cybiko UI Messenger

From: Alex <kr1st@amsat.org>
Date: Wed, 09 Oct 2002 21:06:18 -0400
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-102304-2002.10.09-20.49.06--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Hi there,

Eric Dussault, VE2TSO, generously donated the maps of Canada he made for the Cybiko software, UI Messenger. You can download them from my web site at http://www.kr1st.com

Thank you, Eric!

73,
--Alex (KR1ST)

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Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

---

150. [aprssig] Re: For you SAR folks

From: JD Erskine <yd794@victoria.tc.ca>
Date: Wed, 9 Oct 2002 20:21:24 -0700
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-102316-2002.10.09-23.09.09--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Hi Alex et al,

What you are in effect describing, is known as a GPS EPIRB, G-EPIRB or GPIRB (gee-pirb or je-pirb). There are two sets of satellites in use in the international search and rescue satellite structure. The newer are packages on geostationary birds which pick up 406.025 MHz beacons (EPIRBs or ELTs), specifically those beacons with positional information in their cry for help. Coverage is good except for the polar regions since they don't "see" them as well, so roughly 70 deg N to S Lat. Distress site location ID is quick since co-ordinates are provided.

The earlier polar orbiting SARSAT/COSPAS satellites are still up there, mostly on WX sats if memory serves correctly. They're still using doppler shift to fix the beacon position if no location is forthcoming from, say, a GPS feed (or LORAN C. It's not dead yet!) If memory serves correctly on this point, digital position info, if available, is stored and forwarded if there is no Local User Terminal (LUT) or ground station in the footprint when the signal is picked up. New legislation is phasing out 121.5 MHz primary alerting in favour of 406.025 MHz with the VHF freq for homing as you point out.

While we don't like the high doppler shift on UHF for our comms purposes, voice or digital, like APRS (SIG content!), it apparently allows for quicker position fixing than does the VHF signal. More SAR units or regular vessels have VHF DF capability vice UHF.

So, you have a good idea, and it's done for aero and marine SARSATs. ACR even had an optocoupled unit which included a Garmin Etrex and cable though one could use a fixed GPS RX updating the unit until it was released. Simple beacon identification is included which when matched against database information from obligatory registration allows rescue co-ordinators to call the company, vessel or A/C owner, other contact numbers, etc. to determine if the unit is alongside, on the ground, in the pub, out for servicing, in the post!, etc. Lot's of false alarms.

To answer your other question, there is no digital info on the 121.5 MHz signal and that will not likely be implemented. 121.5 MHz was used for beacons initially since satellites didn't exist and one counted on high commercial and military air traffic listening on 121.5 and 243.0 MHz (second harmonic).

Given the high cost of any decent beacon, for aeronautical or marine purposes, I'd plunk down the extra bucks for a float free, auto G-EPIRB if I was going off shore.

--
JD Erskine mailto:VA7OTC@rac.ca
Victoria Nautical Song Circle http://victoria.tc.ca/culture/vnsc/

On Wednesday 09 October 2002 05:12, Alex wrote:
> I just finished reading the FCC decision on 406 MHz Personal Locator Beacons (PLB), released yesterday at:
>
> http://hraunfoss.fcc.gov/edocs_public/attachmatch/FCC-02-271A1.pdf
>
> It states that
>
> <quote>
> "EPIRBs and ELTs designed to transmit distress signals on 406.025 MHz transmit short, digital signals to provide distress alerting in emergencies, and use 121.500 MHz to provide homing. The 406.025 MHz digital signal contains information on the type of emergency, the country and identification code of the beacon in distress, and other information to facilitate SAR operations.
> </quote>
>
> Would these devices be able to include GPS and could location data be part of the "other information to facilitate SAR operations"?
>
> I mean, if your infrastructure is there, why not go for the full mile and offer the option to include this information.....or is this info available on the 121.5 MHz signal?
>
> I guess I need to read up a bit more to get a better understanding of how this works. Any good links are very much appreciated.
>
> 73,
> --Alex (KR1ST)
>
> http://www.kr1st.com

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151. [aprssig] KPC3+ question...

```
From: "Ken Cechura" <kcechura@umr.edu>
Date: Fri, 11 Oct 2002 13:14:20 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-102368-2002.10.10-13.57.05--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain
```

```
Do I need an HSP cable to use both the GPS AND computer on the KPC3+?
If so, then I guess using a palm pilot AS the computer is out....
Although I could use an 8051 to crate something of a "smart" hsp
cable...  Any ideas?  Help?

Tha online manual isnt very helpful.

       Kenneth R. Cechura, KC9UMR
      University of Missouri-Rolla
  Department Of Electrical Engineering
     President, 2002, W0EEE, UMR ARC
         email: kcechura@umr.edu



---
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```

152. [aprssig] Re: KPC3+ question...

```
From: "Curt Mills, WE7U" <hacker@tc.fluke.com>
Date: Thu, 10 Oct 2002 11:27:34 -0700 (PDT)
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: TAPR APRS Special Interest Group <aprssig@lists.tapr.org>
Message-ID: <LYR842-102369-2002.10.10-14.09.52--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain
```

```
On Fri, 11 Oct 2002, Ken Cechura wrote:

> Do I need an HSP cable to use both the GPS AND computer on the KPC3+?

Nope!


> If so, then I guess using a palm pilot AS the computer is out....
> Although I could use an 8051 to crate something of a "smart" hsp
> cable...  Any ideas?  Help?

On the 3+ there's an additional two port pins available to plug the
GPS into.  I think it's on the same connector as the radio port?
You just need to hand-wire a special connector that'll hook both the
radio and the gps into the same connector.  You then plug the
computer into the normal port.

--
Curt Mills, WE7U                    hacker_NO_SPAM_@tc.fluke.com
Senior Methods Engineer/SysAdmin
"Lotto:    A tax on people who are bad at math!"
"Windows:  Microsoft's tax on computer illiterates!" -- WE7U
"The world DOES revolve around me:  I picked the coordinate system!"


---
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```

153. [aprssig] alinco DJ190

```
From: "George Kammerzell Jr" <gkammerzell@microlink-d.com>
Date: Thu, 10 Oct 2002 12:34:12 -0600
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-102370-2002.10.10-14.16.23--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain
```

```
Anyone out there have the 2 page user's guide for the alinco dj-190 ,
misplaced mine ( my tracker )
searched alinco's site and also the world via dogpile with no luck. Alinco's
service thinks they want
$9.95 +5.50 S&H for a copy , ya right
```

```
help please !

73s
n0zed


---
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```

154. [aprssig] RE: alinco DJ190

From: "George Kammerzell Jr" <gkammerzell@microlink-d.com>
Date: Thu, 10 Oct 2002 13:40:29 -0600
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: <aprssig@lists.tapr.org>
Message-ID: <LYR842-102372-2002.10.10-15.22.40--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

```
NOT looking for service , have that , thanks anyway , am looking for thr
USER's manual

-----Original Message-----
From: James Jefferson [mailto:jjeffers@aprsworld.net]
Sent: Thursday, October 10, 2002 1:21 PM
To: George Kammerzell Jr
Subject: Re: [aprssig] alinco DJ190


The DJ-190 service manual is available on their website:

http://www.alinco.com/pdf.files/

-Jim KB0THN

On Thursday 10 October 2002 13:34, George Kammerzell Jr wrote:
> Anyone out there have the 2 page user's guide for the alinco dj-190 ,
> misplaced mine ( my tracker )
> searched alinco's site and also the world via dogpile with no luck.
> Alinco's service thinks they want
> $9.95 +5.50 S&H for a copy , ya right
>
>
> help please !
>
> 73s
> n0zed
>
>
> ---
> You are currently subscribed to aprssig as: jj@aprsworld.net
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Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org
```

155. [aprssig] ISS PCsat test has BEGUN!

From: Bob Bruninga <bruninga@usna.edu>
Date: Thu, 10 Oct 2002 16:17:04 -0400 (EDT)
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-102373-2002.10.10-15.59.25--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

```
ISS is now on 145.825 for joint ops tests with PCsat.
Time is now 2016z Pass over USA...

de WB4APR@amsat.org, Bob

PCsat WEB  page     http://www.ew.usna.edu/~bruninga/pcsat.html
ISS-APRS FAQ:       http://www.ew.usna.edu/~bruninga/iss-faq.html
CUBESAT Designs     http://www.ew.usna.edu/~bruninga/cubesat.html
APRS LIVE pages     http://www.ew.usna.edu/~bruninga/aprs.html
APRS SATELLITES     http://www.ew.usna.edu/~bruninga/astars.html
MIM/Mic-E/Mic-Lite  http://www.toad.net/~wclement/bruninga/mic-lite.html
```

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156. [aprssig] ISS is back on 145.800 now.

From: Bob Bruninga <bruninga@usna.edu>
Date: Thu, 10 Oct 2002 17:55:29 -0400 (EDT)
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: sarex@amsat.org, <amsat-bb@amsat.org>
Message-ID: <LYR842-102377-2002.10.10-17.37.56--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

On Thu, 10 Oct 2002, Bob Bruninga wrote:

> ISS is now on 145.825 for joint ops with PCsat [2016z Pass over USA...]

Next pass at 2150z finds ISS back on 145.800 normal ops.
I did confirm that ISS now responds to both aliases ARISS and WIDE, and we

de WB4APR@amsat.org, Bob

```
PCsat WEB  page     http://www.ew.usna.edu/~bruninga/pcsat.html
ISS-APRS FAQ:       http://www.ew.usna.edu/~bruninga/iss-faq.html
CUBESAT Designs     http://www.ew.usna.edu/~bruninga/cubesat.html
APRS LIVE pages     http://www.ew.usna.edu/~bruninga/aprs.html
APRS SATELLITES     http://www.ew.usna.edu/~bruninga/astars.html
MIM/Mic-E/Mic-Lite  http://www.toad.net/~wclement/bruninga/mic-lite.html
```

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Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

157. [aprssig] Junk R/C equipment

From: Doug McFadden <kc7imr@orednet.org>
Date: Thu, 10 Oct 2002 15:01:12 -0700 (PDT)
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-102378-2002.10.10-17.46.14--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Has anybody attempted to convert any R/C equipment to 6 or 2 meters to be used for other purposes? (remote wx stn or ???). It looks to me that some of that junk might have been state of the art 5 or 10 years ago and now some of it is on e-bay dirt cheap. Then after you get the remote wx stn up, you can build robots with the servos.

Just a thought, probably more trouble than its worth.

Doug/KC7IMR

Trying to establish voice contact ... please yell into your keyboard.
-=-

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Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

158. [aprssig] Re: KPC3+ question...

From: Doug McFadden <kc7imr@orednet.org>
Date: Thu, 10 Oct 2002 14:44:24 -0700 (PDT)
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: TAPR APRS Special Interest Group <aprssig@lists.tapr.org>
Message-ID: <LYR842-102379-2002.10.10-17.46.20--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Ken,

The 3+ will use both the GPS AND your computer, no problem. The GPS hooks up at the radio port and your computer to the rs232 port. As I recall, the info was in a how-to addendum and not in the main book?

You can also power the GPS and the TNC thru the radio port. Makes a clean install.

I'd check the "Questionable" web page for pinouts, I'm sure he must have
the info there. If that fails, get back to me and I can dig mine out when
I get time.

73, Doug

On Fri, 11 Oct 2002, Ken Cechura wrote:

> Date: Fri, 11 Oct 2002 13:14:20 -0500
> From: Ken Cechura <kcechura@umr.edu>
> To: TAPR APRS Special Interest Group <aprssig@lists.tapr.org>
> Subject: [aprssig] KPC3+ question...
>
> Do I need an HSP cable to use both the GPS AND computer on the KPC3+?
> If so, then I guess using a palm pilot AS the computer is out....
> Although I could use an 8051 to crate something of a "smart" hsp
> cable... Any ideas? Help?
>
> Tha online manual isnt very helpful.
>
>   Kenneth R. Cechura, KC9UMR
>   University of Missouri-Rolla
>   Department Of Electrical Engineering
>   President, 2002, W0EEE, UMR ARC
>   email: kcechura@umr.edu
>
>
>
> ---
> You are currently subscribed to aprssig as: kc7imr@orednet.org
> To unsubscribe send a blank email to leave-aprssig-842K@lists.tapr.org
> Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org
>

Doug/KC7IMR

Trying to establish voice contact ... please yell into your keyboard.
-=-

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To unsubscribe send a blank email to leave-aprssig-842K@lists.tapr.org
Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

159. [aprssig] Re: KPC3+ question...

From: "Thomas M. Schaefer" <toms@xmission.com>
Date: Thu, 10 Oct 2002 18:27:03 -0600
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-102384-2002.10.10-20.08.51--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

I believe that is only on the 8.3 versions, so if you have a recent one,
just check the version.

Tom NY4I
----- Original Message -----
From: "Curt Mills, WE7U" <hacker@tc.fluke.com>
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Sent: Thursday, October 10, 2002 12:27 PM
Subject: [aprssig] Re: KPC3+ question...

> On Fri, 11 Oct 2002, Ken Cechura wrote:
>
> > Do I need an HSP cable to use both the GPS AND computer on the KPC3+?
>
> Nope!
>
>
> > If so, then I guess using a palm pilot AS the computer is out....
> > Although I could use an 8051 to crate something of a "smart" hsp
> > cable... Any ideas? Help?
>

> On the 3+ there's an additional two port pins available to plug the
> GPS into. I think it's on the same connector as the radio port?
> You just need to hand-wire a special connector that'll hook both the
> radio and the gps into the same connector. You then plug the
> computer into the normal port.
>
> --
> Curt Mills, WE7U   hacker_NO_SPAM_@tc.fluke.com
> Senior Methods Engineer/SysAdmin
> "Lotto: A tax on people who are bad at math!"
> "Windows: Microsoft's tax on computer illiterates!" -- WE7U
> "The world DOES revolve around me: I picked the coordinate system!"
>
>
> ---
> You are currently subscribed to aprssig as: toms@xmission.com
> To unsubscribe send a blank email to leave-aprssig-842K@lists.tapr.org
> Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org
>
>

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To unsubscribe send a blank email to leave-aprssig-842K@lists.tapr.org
Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

160. [aprssig] ISS/PCsat joint windows

From: Bob Bruninga <bruninga@usna.edu>
Date: Thu, 10 Oct 2002 20:28:37 -0400 (EDT)
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: amsat-bb@amsat.org, <sarex@amsat.org>,
       TAPR APRS SIG <aprssig@lists.tapr.org>
Message-ID: <LYR842-102385-2002.10.10-20.11.30--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

We saw ISS on 145.825 for joint ops with PCsat for a few hour
this afternoon, but as of this writing, she is back on ISS freq.

Gil Carman at JSC computed times when PCsat and ISS are in range. His
predictions INCLUDE the 3 planned ISS maneuvers over the next 2 weeks.
If you have a pass of EITHER spacecraft during these windows, you have a
chance at witnessing a double hop path. Gil notes that Saturday around
19:50 UTC looks like a good chance for a "double hop" link over the U.S.

Here is about 1/3rd of his list. I removed all times when the range was
greater than 2000 km between them. For the full original list, see my
ISS-FAQ web page: http://www.ew.usna.edu/~bruninga/iss-faq.html

```
Window Opens UTC    CLOSEST RNG  CLOSES DURATION
------------------  -----  ----  -----  --------
Thu 10 Oct02 12:18  14:10   467  16:00  03:41
Fri 11 Oct02 06:40  07:50   718  09:42  03:01
Sat 12 Oct02 00:24  02:17   635  03:25  03:00

*** Reboost #1
Sat 12 Oct02 18:49  19:57   641  21:49  02:59
Sun 13 Oct02 13:16  14:25   412  15:33  02:17
Mon 14 Oct02 07:43  08:53   637  09:58  02:14

*** Reboost #2
Tue 15 Oct02 02:12  03:21   773  03:44  01:31
Tue 15 Oct02 20:42  21:02  1081  21:24  00:41
Tue 15 Oct02 21:27  21:50   866  22:10  00:42
Wed 16 Oct02 15:11  15:30   962  15:50  00:38
Wed 16 Oct02 15:58  16:18   974  16:37  00:38

*** Phasing burn
Thu 17 Oct02 09:41  09:59   831  10:17  00:36
Thu 17 Oct02 10:28  10:47  1036  11:04  00:36
Fri 18 Oct02 04:12  04:28  1472  04:46  00:33
Fri 18 Oct02 04:58  05:16   474  05:34  00:35
Fri 18 Oct02 05:48  06:04  1973  06:19  00:31
Fri 18 Oct02 23:29  23:46   572  00:03  00:33
Sat 19 Oct02 00:17  00:34  1313  00:49  00:32
Sat 19 Oct02 18:00  18:16  1138  18:32  00:31
Sat 19 Oct02 18:47  19:03   708  19:19  00:31
Sun 20 Oct02 12:31  12:45  1742  13:00  00:29
Sun 20 Oct02 13:18  13:33   399  13:48  00:30
Sun 20 Oct02 14:06  14:21  1640  14:35  00:29
Mon 21 Oct02 07:48  08:03   787  08:17  00:29
Mon 21 Oct02 08:36  08:50  1040  09:05  00:29
Tue 22 Oct02 02:18  02:32  1342  02:46  00:27

Window Opens UTC    CLOSEST RNG  CLOSES DURATION
------------------  -----  ----  -----  --------
Tue 22 Oct02 03:05  03:20   528  03:34  00:28
Tue 22 Oct02 20:49  21:01  1902  21:15  00:25
Tue 22 Oct02 21:35  21:49   463  22:04  00:28
Tue 22 Oct02 22:24  22:37  1423  22:51  00:26
Wed 23 Oct02 16:06  16:19   904  16:32  00:26
Wed 23 Oct02 16:53  17:07   878  17:20  00:26
Thu 24 Oct02 10:36  10:48  1419  11:01  00:25
Thu 24 Oct02 11:23  11:36   452  11:49  00:26
Thu 24 Oct02 12:12  12:24  1856  12:36  00:24
Fri 25 Oct02 05:06  05:18  1930  05:30  00:23
Fri 25 Oct02 05:53  06:06   509  06:18  00:25
Fri 25 Oct02 06:41  06:54  1324  07:06  00:24
Sat 26 Oct02 00:23  00:35   933  00:47  00:24
Sat 26 Oct02 01:11  01:23   831  01:35  00:24
Sat 26 Oct02 18:53  19:04  1404  19:16  00:23

Sat 26 Oct02 19:40  19:52   451  20:05  00:24
Sat 26 Oct02 20:29  20:40  1803  20:52  00:22
Sun 27 Oct02 13:23  13:34  1870  13:45  00:22
Sun 27 Oct02 14:10  14:22   485  14:34  00:23
Sun 27 Oct02 14:58  15:10  1315  15:21  00:23
```

The digipeater aliases for ISS are RS0ISS, ARISS, and WIDE
For PCsat the only reliable one is W3ADO-1

de WB4APR@amsat.org, Bob

PCsat WEB page   http://www.ew.usna.edu/~bruninga/pcsat.html
ISS-APRS FAQ: http://www.ew.usna.edu/~bruninga/iss-faq.html
APRS LIVE pages   http://www.ew.usna.edu/~bruninga/aprs.html
APRS SATELLITES   http://www.ew.usna.edu/~bruninga/astars.html

---
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To unsubscribe send a blank email to leave-aprssig-842K@lists.tapr.org
Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

161. [aprssig] KPC3+ Software Port

From: kb2scs@optonline.net
Date: Thu, 10 Oct 2002 22:55:13 -0400
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-102392-2002.10.10-22.35.21--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Hi Ken
Yes the KPC3+ will do what has been described.
But as I recall the original KPC3+ did not have the "Software port".

My question is what ver does Ken have to see on his terminal screen (after doing the CMD: VER command) for his KPC3+ to have the "Software Port"?

Let us hope we never witness the "Silence Of The Hams"
73 DE John KB2SCS
Mail To: kb2scs@wa2pnu.#nli.ny.usa.noam
E-Mail: kb2scs@arrl.net

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To unsubscribe send a blank email to leave-aprssig-842K@lists.tapr.org
Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

162. [aprssig] Re: KPC3+ Software Port

From: "Ken Patterson" <kenp@etex.net>
Date: Fri, 11 Oct 2002 03:00:46 +0100
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-102393-2002.10.10-22.43.09--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Version 6.0

de Ken,
N5EQT
----- Original Message -----
From: <kb2scs@optonline.net>
To: "TAPR APRS Special Interest Group" <aprssig>
Sent: Friday, October 11, 2002 03:55
Subject: [aprssig] KPC3+ Software Port

> Hi Ken
>   Yes the KPC3+ will do what has been described.
> But as I recall the original KPC3+ did not have the "Software port".
>
> My question is what ver does Ken have to see on his terminal screen
> (after doing the CMD: VER command) for his KPC3+ to have the
"Software
> Port"?
>
> Let us hope we never witness the "Silence Of The Hams"
> 73 DE John KB2SCS
>   Mail To: kb2scs@wa2pnu.#nli.ny.usa.noam
>   E-Mail: kb2scs@arrl.net
>
> ---
> You are currently subscribed to aprssig as: kenp@etex.net
> To unsubscribe send a blank email to
leave-aprssig-842K@lists.tapr.org
> Questions regarding the SIG go to the SIG administrator:
wa1lou@tapr.org
>
>

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To unsubscribe send a blank email to leave-aprssig-842K@lists.tapr.org
Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

---

163. [aprssig] Re: [Bob Bruninga] ISS/PCsat joint windows

From: "Gregg G. Wonderly" <gregg@skymaster.cytetech.com>
Date: Thu, 10 Oct 2002 22:26:34 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: TAPR APRS Special Interest Group <aprssig@lists.tapr.org>,
amsat-bb@amsat.org, sarex@amsat.org
Message-ID: <LYR842-102395-2002.10.10-23.09.00--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

>Here is about 1/3rd of his list. I removed all times when the range was
>greater than 2000 km between them.

It might be fun if there were some ground digi's on 145.825 that would relay
between sats on the more distant separation passes. Are there any
opportunities to try a tripple hop somewhere Bob?

-----
gregg@cytetech.com (Cyte Technologies Inc)

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To unsubscribe send a blank email to leave-aprssig-842K@lists.tapr.org
Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

---

164. [aprssig] Re: KPC3+ Software Port

From: "Rich Garcia" <k4gps@bellsouth.net>
Date: Thu, 10 Oct 2002 23:30:11 -0400
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-102396-2002.10.10-23.11.08--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

KPC3 is version 6.0 I have one here as backup but no software switching.

The KPC3+ does have software port switching but I don't know exactly what
revision started it. I believe it was just before 8.3

Kantronics version numbers are VERY confusing and there are different
versions
of ver.X that you can't tell from the sticker. Need to power it up to tell.

-----Original Message-----
From: bounce-aprssig-19959@lists.tapr.org
[mailto:bounce-aprssig-19959@lists.tapr.org]On Behalf Of Ken Patterson
Sent: Thursday, October 10, 2002 10:01 PM
To: TAPR APRS Special Interest Group
Subject: [aprssig] Re: KPC3+ Software Port

Version 6.0

de Ken,
N5EQT
----- Original Message -----
From: <kb2scs@optonline.net>
To: "TAPR APRS Special Interest Group" <aprssig>
Sent: Friday, October 11, 2002 03:55
Subject: [aprssig] KPC3+ Software Port

> Hi Ken
>   Yes the KPC3+ will do what has been described.
> But as I recall the original KPC3+ did not have the "Software port".
>
> My question is what ver does Ken have to see on his terminal screen
> (after doing the CMD: VER command) for his KPC3+ to have the
"Software
> Port"?
>
> Let us hope we never witness the "Silence Of The Hams"
> 73 DE John KB2SCS
>   Mail To: kb2scs@wa2pnu.#nli.ny.usa.noam
>   E-Mail: kb2scs@arrl.net
>
> ---
> You are currently subscribed to aprssig as: kenp@etex.net
> To unsubscribe send a blank email to
leave-aprssig-842K@lists.tapr.org
> Questions regarding the SIG go to the SIG administrator:
wa1lou@tapr.org
>
>

You are currently subscribed to aprssig as: k4gps@bellsouth.net
To unsubscribe send a blank email to leave-aprssig-842K@lists.tapr.org
Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

---
You are currently subscribed to aprssig as: lyris.aprssig@tapr.org
To unsubscribe send a blank email to leave-aprssig-842K@lists.tapr.org
Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

---

165. [aprssig] Re: KPC3+ question...

From: David VanHorn <dvanhorn@cedar.net>
Date: Thu, 10 Oct 2002 22:36:54 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-102397-2002.10.10-23.19.25--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

At 01:14 PM 10/11/2002 -0500, Ken Cechura wrote:
>Do I need an HSP cable to use both the GPS AND computer on the KPC3+?
>If so, then I guess using a palm pilot AS the computer is out....
>Although I could use an 8051 to crate something of a "smart" hsp
>cable... Any ideas? Help?

The KPC3 passes GPS through to the host, if the host asks for it with ^E.

Smart HSP is almost an oxymoron. It's possible, IF you have a reliable way of detecting that device A has stopped talking, and switching to device B while assuring you aren't switching into the middle of something it's saying, and of course you'd have to do the reverse.

I've proposed a solution to this several times, that basically puts multiple serial devices into one port, with no switching or loss of data, but nobody seems interested. Back at verifone, I made devices that move packets of data equivalent to money around, I think I can handle some less critical stuff.

```
---
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Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org
```

166. [aprssig] Re: KPC3+ question...

From: "Mark Fellhauer" <sparkfel@qwest.net>
Date: Thu, 10 Oct 2002 22:56:00 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-102399-2002.10.10-23.39.03--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

```
At 10:36 PM 10/10/02, David VanHorn wrote:

>.  Back at verifone, I made devices that move packets of data equivalent
>to money around, I think I can handle some less critical stuff.
>

Send some of those packets to me, please.  ;)

73,

Mark
KC7BXS




---
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Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org
```

167. [aprssig] Re: KPC3+ question...

From: David VanHorn <dvanhorn@cedar.net>
Date: Thu, 10 Oct 2002 23:03:00 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-102400-2002.10.10-23.45.10--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

```
At 10:56 PM 10/10/2002 -0500, Mark Fellhauer wrote:
>At 10:36 PM 10/10/02, David VanHorn wrote:
>
>>.  Back at verifone, I made devices that move packets of data equivalent to money around, I think I can handle some less critical stuff.
>
>Send some of those packets to me, please.  ;)

There were days..
I am still amazed that nobody's hacking those terminals.
The programming language is such that bankers and marketing people can learn it, and you can edit the terminal code by hand, standing at the terminal.  Try <function> <recall> 101 on any TRANZ terminal.


---
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Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org
```

168. [aprssig] Re: KPC3+ Software Port

From: Bill Herrmann <bherrman@spro.net>
Date: Thu, 10 Oct 2002 22:57:25 -0600
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-102407-2002.10.11-00.38.23--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

```
At 10:55 PM 10/10/02 -0400, kb2scs@optonline.net wrote:
>But as I recall the original KPC3+ did not have the "Software port".

Correct. Got to have version 8.3. (Buddy has KPC3+ with 8.2 firmware and
doesn't have the software port. I have 8.3 and have it.)

Note that firmware version is not a reliable indicator of which Kantronics
device you have. Version 8.2 is available for most of their line.
```

Bill

You are currently subscribed to aprssig as: lyris.aprssig@tapr.org
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Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

169. [aprssig] Re: KPC3+ Software Port

From: "Ronald Reams" <wa4mjf@worldnet.att.net>
Date: Fri, 11 Oct 2002 06:39:45 -0400
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-102420-2002.10.11-06.22.14--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Every Kantronics TNC that I've have and there are many,
have the version on the sticker. Maybe if yours is used, the
previous owner took it off the chip for some reason.

It'll be somethin' like:

KPC-3P 8.2
Copyright 1997
Kantronics Co., Inc
All rights reserved

In the example above, the 8.2 is the version.

73 de Ronnie

----- Original Message -----
From: "Rich Garcia" <k4gps@bellsouth.net>
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Sent: Thursday, October 10, 2002 23:30
Subject: [aprssig] Re: KPC3+ Software Port

KPC3 is version 6.0 I have one here as backup but no software switching.

The KPC3+ does have software port switching but I don't know exactly what
revision started it. I believe it was just before 8.3

Kantronics version numbers are VERY confusing and there are different
versions
of ver.X that you can't tell from the sticker. Need to power it up to tell.

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Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

170. [aprssig] TNC 4 Sale

From: "W5JSR" <w5jsr@arrl.net>
Date: Fri, 11 Oct 2002 07:05:47 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-102422-2002.10.11-07.48.24--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

OK, give you guys first shot at this:

Brand New KPC-3+, never used, all connectors and manuals, latest ROM
$125

Contact me directly at w5jsr@arrl.net

73 de Scott, W5JSR

You are currently subscribed to aprssig as: lyris.aprssig@tapr.org
To unsubscribe send a blank email to leave-aprssig-842K@lists.tapr.org
Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

171. [aprssig] Re: KPC3+ Software Port

From: "Rich Garcia" <k4gps@bellsouth.net>
Date: Fri, 11 Oct 2002 08:30:44 -0400
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-102423-2002.10.11-08.11.27--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Re-read my post. I never said anything about the version sticker not being
on there.
Kantronics does do modifications/updates to firmware without changing the
version number
on the label each time. Your unit may say 8.2 but boot it up and see what
comes up on screen, it
may or may not be the same thing!

Please read first before reply!

-----Original Message-----
From: bounce-aprssig-19959@lists.tapr.org
[mailto:bounce-aprssig-19959@lists.tapr.org]On Behalf Of Ronald Reams
Sent: Friday, October 11, 2002 6:40 AM
To: TAPR APRS Special Interest Group
Subject: [aprssig] Re: KPC3+ Software Port

Every Kantronics TNC that I've have and there are many,
have the version on the sticker. Maybe if yours is used, the
previous owner took it off the chip for some reason.

It'll be somethin' like:

KPC-3P 8.2
Copyright 1997
Kantronics Co., Inc
All rights reserved

In the example above, the 8.2 is the version.

73 de Ronnie

----- Original Message -----
From: "Rich Garcia" <k4gps@bellsouth.net>
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Sent: Thursday, October 10, 2002 23:30
Subject: [aprssig] Re: KPC3+ Software Port

KPC3 is version 6.0 I have one here as backup but no software switching.

The KPC3+ does have software port switching but I don't know exactly what
revision started it. I believe it was just before 8.3

Kantronics version numbers are VERY confusing and there are different
versions
of ver.X that you can't tell from the sticker. Need to power it up to tell.

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Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

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To unsubscribe send a blank email to leave-aprssig-842K@lists.tapr.org
Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

172. [aprssig] Re: [Bob Bruninga] ISS/PCsat joint windows

From: Bob Bruninga <bruninga@usna.edu>
Date: Fri, 11 Oct 2002 08:36:01 -0400 (EDT)

To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: TAPR APRS Special Interest Group <aprssig@lists.tapr.org>,
<amsat-bb@amsat.org>, <sarex@amsat.org>
Message-ID: <LYR842-102425-2002.10.11-08.18.28--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

On Thu, 10 Oct 2002, Gregg G. Wonderly wrote:

> It might be fun if there were some ground digi's on 145.825 that would relay
> between sats on the more distant separation passes. Are there any
> opportunities to try a tripple hop somewhere Bob?

Had me hooked there for a second or so, but then I realized that if a
ground station can see both birds, then they can both see each other
too...

kBob

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Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

173. [aprssig] Burn a 27C512 chip

From: "Don" <kyham@alltel.net>
Date: Fri, 11 Oct 2002 09:59:04 -0400
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-102427-2002.10.11-09.32.11--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Someone offered to burn a couple of 27C512 chips for use with UI-DIGI on a
MFJ 1270 but I seem to have lost the message when I cleaned up my old
messages.

I have two 1270's that I plan to use for two digi's in the Louisville area
but don't have the chip programmer facilities.

The person was going to put UI-DIGI on one half and the standard TAPR
software on the other half so I would have the ability to tune and calibrate
without switching the chip.

If the offer is still available, please contact me either direct or on sig.

Thanks

Don   K9SOA (EM77EX)
kyham@alltel.net

www.k9soa.net
Home of JEANNIE
The House That Listens

You are currently subscribed to aprssig as: lyris.aprssig@tapr.org
To unsubscribe send a blank email to leave-aprssig-842K@lists.tapr.org
Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

174. [aprssig] Re: KPC3+ Software Port

From: "Ronald Reams" <wa4mjf@worldnet.att.net>
Date: Fri, 11 Oct 2002 10:44:43 -0400
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-102428-2002.10.11-10.27.03--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

I re re read your post. I think, no I KNOW, you're
mistaken.

I've never had a version come up on the screen that
was not in agreement with what the sticker on the chip sez.

If you have, you've a miss labeled chip.

Usin' Kantronics stuff since the KPC-2....

73 de Ronnie

----- Original Message -----
From: "Rich Garcia" <k4gps@bellsouth.net>
To: "Ronald Reams" <wa4mjf@worldnet.att.net>; "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Sent: Friday, October 11, 2002 08:30
Subject: RE: [aprssig] Re: KPC3+ Software Port

Re-read my post. I never said anything about the version sticker not being on there.
Kantronics does do modifications/updates to firmware without changing the version number
on the label each time. Your unit may say 8.2 but boot it up and see what comes up on screen, it
may or may not be the same thing!

Please read first before reply!

-----Original Message-----
From: bounce-aprssig-19959@lists.tapr.org
[mailto:bounce-aprssig-19959@lists.tapr.org]On Behalf Of Ronald Reams
Sent: Friday, October 11, 2002 6:40 AM
To: TAPR APRS Special Interest Group
Subject: [aprssig] Re: KPC3+ Software Port

Every Kantronics TNC that I've have and there are many,
have the version on the sticker. Maybe if yours is used, the
previous owner took it off the chip for some reason.

It'll be somethin' like:

KPC-3P 8.2
Copyright 1997
Kantronics Co., Inc
All rights reserved

In the example above, the 8.2 is the version.

73 de Ronnie

----- Original Message -----
From: "Rich Garcia" <k4gps@bellsouth.net>
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Sent: Thursday, October 10, 2002 23:30
Subject: [aprssig] Re: KPC3+ Software Port

KPC3 is version 6.0 I have one here as backup but no software switching.

The KPC3+ does have software port switching but I don't know exactly what
revision started it. I believe it was just before 8.3

Kantronics version numbers are VERY confusing and there are different versions
of ver.X that you can't tell from the sticker. Need to power it up to tell.

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To unsubscribe send a blank email to leave-aprssig-842K@lists.tapr.org
Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

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To unsubscribe send a blank email to leave-aprssig-842K@lists.tapr.org
Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

175. [aprssig] Re: KPC3+ Software Port

From: "Ronald Reams" <wa4mjf@worldnet.att.net>
Date: Fri, 11 Oct 2002 10:45:27 -0400
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-102429-2002.10.11-10.27.54--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Same-same as my other reply....

----- Original Message -----
From: "Rich Garcia" <k4gps@bellsouth.net>
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Sent: Friday, October 11, 2002 08:30
Subject: [aprssig] Re: KPC3+ Software Port

Re-read my post. I never said anything about the version sticker not being
on there.
Kantronics does do modifications/updates to firmware without changing the
version number
on the label each time. Your unit may say 8.2 but boot it up and see what
comes up on screen, it
may or may not be the same thing!

Please read first before reply!

-----Original Message-----
From: bounce-aprssig-19959@lists.tapr.org
[mailto:bounce-aprssig-19959@lists.tapr.org]On Behalf Of Ronald Reams
Sent: Friday, October 11, 2002 6:40 AM
To: TAPR APRS Special Interest Group
Subject: [aprssig] Re: KPC3+ Software Port

Every Kantronics TNC that I've have and there are many,
have the version on the sticker. Maybe if yours is used, the
previous owner took it off the chip for some reason.

It'll be somethin' like:

KPC-3P 8.2
Copyright 1997
Kantronics Co., Inc
All rights reserved

In the example above, the 8.2 is the version.

73 de Ronnie

----- Original Message -----
From: "Rich Garcia" <k4gps@bellsouth.net>
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Sent: Thursday, October 10, 2002 23:30
Subject: [aprssig] Re: KPC3+ Software Port

KPC3 is version 6.0 I have one here as backup but no software switching.

The KPC3+ does have software port switching but I don't know exactly what
revision started it. I believe it was just before 8.3

Kantronics version numbers are VERY confusing and there are different
versions
of ver.X that you can't tell from the sticker. Need to power it up to tell.

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176. [aprssig] Re: ISS/PCsat joint windows

```
From: Gary Hinton <ghinton@eng.mcd.mot.com>
Date: Fri, 11 Oct 2002 10:21:41 -0700
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: TAPR APRS Special Interest Group <aprssig@lists.tapr.org>,
        amsat-bb@amsat.org, sarex@amsat.org
Message-ID: <LYR842-102444-2002.10.11-13.04.03--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain
```

```
Bob,

Should we try for any JOTA contacts next weekend?

Gary


Bob Bruninga wrote:
>
> Here is about 1/3rd of his list.  I removed all times when the range was
> greater than 2000 km between them.  For the full original list, see my
> ISS-FAQ web page:  http://www.ew.usna.edu/~bruninga/iss-faq.html
>
> Window Opens UTC    CLOSEST RNG  CLOSES DURATION
> ------------------  -----  ----  -----  --------
> Sat 19 Oct02 00:17  00:34  1313  00:49  00:32
> Sat 19 Oct02 18:00  18:16  1138  18:32  00:31
> Sat 19 Oct02 18:47  19:03   708  19:19  00:31
> Sun 20 Oct02 12:31  12:45  1742  13:00  00:29
> Sun 20 Oct02 13:18  13:33   399  13:48  00:30
> Sun 20 Oct02 14:06  14:21  1640  14:35  00:29
>
> The digipeater aliases for ISS are RS0ISS, ARISS, and WIDE
> For PCsat the only reliable one is W3ADO-1
>

+--------------------------------------------------------------------+
| Gary Hinton    AC7R                 Phone: (602) 438-3450           |
| Product Engineering                   FAX: (602) 438-5627           |
| Motorola Computer Group            Pager: 877-992-6630 (two-way)   |
| 2900 S. Diablo Way                e-mail: ghinton@eng.mcd.mot.com  |
| Tempe, Arizona 85282           Mail Drop: DW278                    |
+--------------------------------------------------------------------+

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```

---

177. [aprssig] Re: For you SAR folks

```
From: larry Also <larrytooalso@yahoo.com>
Date: Fri, 11 Oct 2002 11:38:32 -0700 (PDT)
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-102445-2002.10.11-14.20.55--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain
```

```
function SetDomain(d) { document.domain = d; }Have you seen the prices of an aircraft qualified 406
ELT????????



Also, if you plan on using that freq down around Amazonus or anywhere else in the jungle, you need the
most powerfull you can get as the normal power ones will not punch through the canopy.




---------------------------------
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```

---

178. [aprssig] Re: Junk R/C equipment

```
From: larry Also <larrytooalso@yahoo.com>
Date: Fri, 11 Oct 2002 11:44:24 -0700 (PDT)
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-102446-2002.10.11-14.26.43--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain
```

```
function SetDomain(d) { document.domain = d; }Six meter conversion used to be common for flying R/C
planes, back when 72 mhz was first made available.  I don't recall if there are any two meter freqs
```

where TDM PWM is allowed.

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179. [aprssig] Re: Junk R/C equipment

From: larry Also <larrytooalso@yahoo.com>
Date: Fri, 11 Oct 2002 11:52:38 -0700 (PDT)
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-102447-2002.10.11-14.35.00--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

function SetDomain(d) { document.domain = d; }Lead pipe cinch.

All it takes is the RF section. The encoders and decoders are simple IC's as are the servo's. Input is usually via a pot as is the position feedback in the servo. A friend used these in a datalink project for instrumenting drones.

You have 2 to 8 TDM pulse width channels and a synch pulse. After the receiver they are demux'd and each pulse sent to the correct servo. In the servo is also a PWM controled by the feedback pot and a comparator to detect which pulse is longer. Based on that, the motor is driven for a few ms in the direction to match pulse widths.

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180. [aprssig] Re: Junk R/C equipment

From: larry Also <larrytooalso@yahoo.com>
Date: Fri, 11 Oct 2002 12:03:55 -0700 (PDT)
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-102448-2002.10.11-14.46.16--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

function SetDomain(d) { document.domain = d; }Old "digital" equipment was actually on-off keyed (AM), or PSK (FM) of an RF signal where the "channels" (2 to 8) were actually Time Domain Multiplexed, pulse width encoded analog. On the other hand, the new DIGITAL R/C systems use actual digital encoding of the information.

Caution, only "Gold Seal" and later systems (narrow band) are allowed on club flying fields.

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181. [aprssig] "Recycled Packets

From: "" <ka0azs@commkey.net>
Date: Fri, 11 Oct 2002 16:18:43 -0400
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-102456-2002.10.11-16.01.06--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

To the group

This has been going for some time. As described in an earlier thread, while monitoring FINDU at work during the day, my jeep (with a D-700 and GPS-II+) will "move" back to my home location and then "back" to the parking lot outside. The 2 locations are apporximately 10 miles apart.

Today, I captured the various packets involved as reported by FINDU and cross referenced with the APRS World site (http://www.aprsworld.net/).

10/11/2002 14:17 (Location of my house, vehicle parked at work)

3.9 miles southwest of DAYTON, OH

Report received 2 minutes 8 seconds ago

Raw packet:

```
KA0AZS-7>DJ4Y1P,W8APR*,WIDE3-1,qAR,WB8NUT:!3941.24N/08412.91WjAPRS QRT @172035z
```

****

10/11/2002 14:59 (Location properly displayed at work location)

5.7 miles northeast of DAYTON, OH
Altitude: 874 feet
Report received 12 minutes 33 seconds ago

Raw packet:

```
KA0AZS-7>DJ4Y1P,W8APR*,WIDE3-1,qAR,WB8NUT:'p` l"dj/]"6{}
```

APRS World also showed the correct Status line as set in my D-700:
Custom Kenwood D700

****

10/11/2002 16:06 (back "home")

3.9 miles southwest of DAYTON, OH

Report received 22 minutes 13 seconds ago

Raw packet:

```
KA0AZS-7>DJ4Y1P,W8APR*,WIDE3-1,qAR,WB8NUT:!3941.24N/08412.91WjAPRS QRT @172035z
```

Anybody have any ideas about what is causing this? Or where to start looking?

Thanks and 73

Randy, KA□AZS

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---

182. [aprssig] setup help MFJ 1270 & UI-VIEW

From: "gary shupp" <garyshup@bellsouth.net>
Date: Fri, 11 Oct 2002 17:18:8
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-102464-2002.10.11-18.00.28--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

I have a MFJ 1270 and I am trying to get to work with UI-VIEW. Thanks

---
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---

183. [aprssig] Best GPS w/D7

From: "Bud Talbot" <kb9wvg@arrl.net>
Date: Fri, 11 Oct 2002 17:18:23
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-102465-2002.10.11-18.01.02--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

What's everyone's favorite gps unit to use with the D7 while hiking or biking or walking around? I have an emap which is great for use in the truck (external antenna, etc.), but I'd like a more weatherproof and rugged unit for use with the HT. Etrex vista? GPSMap 76? Any opinions?

73
Bud
KB9WVG

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---

184. [aprssig] MFJ 1270-B as APRS digi

From: "gary shupp" <garyshup@bellsouth.net>
Date: Fri, 11 Oct 2002 17:35:50
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-102466-2002.10.11-18.18.10--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Subject: Re: MFJ 1270-B as APRS digi
From: WA8LMF2@aol.com
Date: Wed, 28 Aug 2002 17:19:29 EDT
X-Message-Number: 39

In a message dated 8/28/02 1:58:15 PM Pacific Daylight Time, kyham@alltel.net writes:

> Just getting ready to set up a digi in the Louisville KY area and have a MFJ 1270-B that has a chip labeled TNC 2 1.2.8 32K.
>
> I seem to remember that there is a chip that doesn't work quite right for APRS and wanted to make sure that this is not it.
>

You want to replace ANY OEM 27256 eprom with one containing the UI-DIGI firmware, developed by Marco Savegnago IW3FQG, that converts the TNC2 device into a DEDICATED APRS-specific digipeater with the stations callsign, lat/lon, beacon messages, default paths, etc "frozen in stone". (The standard code is overlaid with a customizing file containing your specifics before programming the eprom).
This way power outages, accidental resets, etc don't cause your setting to be lost -- very important when the digi is in a hard-to-reach location.

Standard TNC2 firmware has NO APRS-specific intelligence and can't do WIDEn-N callsign-substituting digipeating, dupe-checking, etc.

More information at:
http://gw.ir3ip.ampr.org/~iw3fqg/uidigi.htm

As I have mentioned on this list before, I am able and willing to program eproms if you email me the editited overlay file and postal-mail me a blank eprom.

I have also recommended that you use a 27C512 instead of a 27C256. This way the orignal code (or a generic TAPR TNC2 Ver 1.1.9) can be kept in the ROM along side the UI-DIGI code. This is useful since the UI-DIGI code DOES NOT contain the standard CAL command used for setting the tone freqs, deviation, etc. If you don't make a "double-decker" eprom, you will have to unplug the UI-DIGI rom and plug in the original one whenever you do maintainance or testing.

To use the "double-decker" eprom, all you have to do is bend pin 1 of the eprom outward so it misses the socket and connect it to a single-pole double-throw switch so that you can either ground the pin or connect it to +5 volts. This pin is actually the MSB (most significant bit) line of the eprom and selects either the upper half or the lower half of the space in a 27C512.

Stephen H. Smith wa8lmf @ aol.com
Home Page:
http://members.aol.com/wa8lmf
Ham Radio/Mobile SSTV page: http://members.aol.com/wa8lmf/ham
APRS Stuff
http://members.aol.com/wa8lmf/aprs

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---

185. [aprssig] TNC Sold

From: "W5JSR" <w5jsr@arrl.net>
Date: Fri, 11 Oct 2002 22:24:45 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-102479-2002.10.11-23.07.18--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

The KPC-3+ is sold. Thanks...

73 de Scott, W5JSR

---
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186. [aprssig] Amber alert

From: John Mullinix <mullinix@tds.net>
Date: Sat, 12 Oct 2002 7:50:24 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: ke4d@escapees.com
Message-ID: <LYR842-102492-2002.10.12-08.32.52--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Hi all,

I recently attended a meeting sponsored by the Cherokee County (NC) Crime Commission regarding the introduction of the Amber alert system into our area, the North Georgia Mountains, Western NC and SE Tennessee. Amber Alert is the program in use in many jurisdictions to alert the public of a child abduction when the child's life may be in danger. They want ham radio operators involved to help get the word out.

I told John Veach, KE4D, about the meeting and he suggested APRS as a method of getting the word out to a lot of hams quickly.

What would be the best way to issue these alerts on APRS and should we APRSers set up a standard protocol for using it? They don't need to be national, but do need to cover large regions, and usually include the child's description and vehicle description of the abductor's vehicle.

Please cc:mullinix@tds.net on all responses. I suscribe to the digest version of the sig.

Tnx es 73
de KF4SKT
John

John Mullinix, CCNA
mullinix@tds.net
Where's John http://map.findu.com/kf4skt-15

---
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---

187. [aprssig] Saturday ISS<==>PCsat test!

From: Bob Bruninga <bruninga@usna.edu>
Date: Sat, 12 Oct 2002 11:37:04 -0400 (EDT)
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-102502-2002.10.12-11.19.38--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Saturday 12 Oct ISS<==>PCsat COMMS test

NZ, UK, Miami, San Diego and Hawaii hams PLEASE READ!

To have any chance of a successful double-hop digipeat between PCsat and ISS, requires a clear channel. Therefore everyone who will not be successful, please do not transmit! Only the one or two lucky packets that might be successful should be transmited!

That said, lets all hope for hamdom's success by helping that successful packet get through. That is, dont transmit... unless you know exactly what you are doing... and have a BEAM and a shot out over an ocean... If both are in view ALWAYS TARGET ISS FIRST. Save the power on PCsat for only the successful packets.

The digi paths are ISS = RS0ISS, and PCsat = W3ADO-1. I will abbreviate these in the following GREAT opportunities this afternoon using the abbreviations of ISS and PC..

1920z Someone in Southern NZ has an excellent 3 hop chance with the path ISS,PC,ISS while ISS is in view and PCsat is over the pacific with NO ONE in view. But this will ONLY work at the very end of the ISS window when PCsat has had a few minutes to get enough sunshine to charge up. DO NOT Send anything via PCsat as it goes over earlier, or you will kill your chance of success. Give PCsat the longgset possible charge time before your attempt. You only have one shot.

1942z SOCAL and FLA get an excellent dual hop shot for a minute or so as ISS rises over pacific in SOCAL and PCsat rises over Carribean in FLA. SOCAL users try ISS,PC and FLA users try the reverse.

1950z ZOO time. Both sats inview of USA and unless everyone is quiet, nothing will get through. Do NOT TRANSMIT TO PCSAT to save its very weak batteries. Hit ISS first, and if that is successful, then let it hit PCsat next. THus, PCsat only is used for SUCCESSFUL DUAL HOP packets.

2000z GREAT chance for NewEngland and UK. ISS is over atlantic out of sight of everyone. PCsat is above it. Time for about 1 minute of shots from either side of the atlantic for a tripple shot using the path of PC,ISS,PC IF there is anything left in the batteries after the USA zoo.. and if everyone is quiet!

2007z ZOO over Europe! And PCsat is out of sun and probably dead. Again, do NOT target PCsat, aim for ISS to PCsat.

2057z NZ gets another EARLY AM chanec to do ISS,PC,ISS while PCsat is over the ocean and ONLY at the very last minute to give PCsat the best chance to have charged up enough to transmit ONE good packet.

2111z ISS over Hawaii, and PCsat over Pacific! NO QRM ON EITHER END! This is the best shot. Wait till later in pass for PCsat to get best charge. Use ISS,PC,ISS!

2117z ISS West coast pass! ONE guy shooting out over Pacific using ISS,PC,ISS path might have success.

2125z ZOO over USA. DO NOT TARGET PCSAT. Hit ISS first.

2138z PCsat over USA and ISS isolated over Atlantic. Use PC,ISS,PC

2147z UK has shot through PCsat to ISS isolated over Atlantic using path of PC,ISS,PC. But PCsat probably dead by then.

Good luck those of you with good shots out oer the ocean and good stations. Everyone else dont transmit! Well, though, we all must, so lets set a limit to 1 packet per minute and make it the shortest possible packet with your GRID in it so that we minimize our QRM to those special stations that might have a chance.

de WB4APR@amsat.org, Bob

PCsat WEB page	http://www.ew.usna.edu/~bruninga/pcsat.html
ISS-APRS FAQ:	http://www.ew.usna.edu/~bruninga/iss-faq.html
CUBESAT Designs	http://www.ew.usna.edu/~bruninga/cubesat.html
APRS LIVE pages	http://www.ew.usna.edu/~bruninga/aprs.html
APRS SATELLITES	http://www.ew.usna.edu/~bruninga/astars.html
MIM/Mic-E/Mic-Lite	http://www.toad.net/~wclement/bruninga/mic-lite.html

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188. [aprssig] Re: Amber alert

From: Bob Bruninga <bruninga@usna.edu>
Date: Sat, 12 Oct 2002 11:47:09 -0400 (EDT)
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: TAPR APRS Special Interest Group <aprssig@lists.tapr.org>,
<ke4d@escapees.com>
Message-ID: <LYR842-102503-2002.10.12-11.29.40--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

On Sat, 12 Oct 2002, John Mullinix wrote:

> Amber Alert is the program in use in many jurisdictions to alert the
> public of a child abduction when the child's life may be in danger.
>
> What would be the best way to issue these alerts on APRS?

Use a D700, D7 or Mic-E to set EMERGENCY and then also send a BULLETIN
from the same radio with the AMBER alert in it. No one can miss that.

Just this morning, I Was talking to a neighbor that just had a new kid.
As a new father, he checked the WEB for Perverts in the area, and said the
guy 3 houses down is listed by the state as a convicted child molester!
Wow, we have lived here 12 years and so has the pervert, and my kids have
grown up from 1 year old to 13 years old in this neighborhood. So my wife
was RIGHT to never let our kids leave our yard without us along. I always
thought she was crazy..

We did report the guy once for catching cats and burning them alive
with gas... Never new it could have been our kids...

Bob

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189. (no subject)

From: JOHN TROCKI <yashu66@yahoo.com>
Date: Sat, 12 Oct 2002 09:00:40 -0700 (PDT)
To: lyris.aprssig@tapr.org
Message-ID: <20021012160040.98502.qmail@web11901.mail.yahoo.com>
Rendered body type: text/plain

____
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190. [aprssig] Re: Amber alert

From: "W1SAR" <w1sar@searcher.org>
Date: Sat, 12 Oct 2002 09:57:45 -0700
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-102509-2002.10.12-12.40.03--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

We need to work with the state agencies to automate this process. Work is
being done on other community warnings / information and this is clearly
another one for the list.

Without drifting too far off the APRS topic, I would caution people NOT to
over-react to local databases of registered sex offenders. As a police
officer in the city reported by 'Americas Most Wanted' to have the highest
percentage of registered sex offender per capita, I caution people that more
dangerous than the registered sex offenders (who we watch daily) are the
ones living next door who haven't been caught yet! Don't be lulled into a
false sense of security because your block doesn't have a registered
offender listed.

OK - who's going to step forward and suggest APRS trackers for all
registered sex offenders?

Drew Witham W1SAR
Shasta County Emergency Coordinator
ARES / RACES / CDF-VIP

http://www.scares.org

> Subject: [aprssig] Re: Amber alert
>
>
> On Sat, 12 Oct 2002, John Mullinix wrote:
>
> > Amber Alert is the program in use in many jurisdictions to alert the
> > public of a child abduction when the child's life may be in danger.
> >

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>
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>
> Just this morning, I Was talking to a neighbor that just had a new kid. As a new father, he checked the WEB for Perverts in the area, and said the guy 3 houses down is listed by the state as a convicted child molester! Wow, we have lived here 12 years and so has the pervert, and my kids have grown up from 1 year old to 13 years old in this neighborhood. So my wife was RIGHT to never let our kids leave our yard without us along. I always thought she was crazy..
>
> We did report the guy once for catching cats and burning them alive with gas... Never new it could have been our kids...
>
> Bob

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191. [aprssig] Re: Amber alert

From: tvsjr <tvsjr@sprynet.com>
Date: Sat, 12 Oct 2002 15:25:20 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-102531-2002.10.12-16.05.38--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

The NWS is issuing Amber Alerts now as Civil Emergency Messages. The files can be downloaded from anonymous FTP somewhere (along with other active weather products from NWS), I just can't remember where. The easiest way would be for someone to write a program to pull this data down, parse it (simple), and generate a message. Unfortunately, they tend to be quite verbose.

Here's an example of the most recent one:

WOUS44 KFWD 091634 CCA
CEMFTW
TXC001-027-035-085-093-097-099-113-119-121-133-139-143-145-147-161-
181-193-213-217-221-223-231-237-251-257-277-281-289-293-309-331-333-
337-349-363-367-379-395-397-425-429-439-467-497-503-100000-

BULLETIN - EAS ACTIVATION REQUESTED
CIVIL EMERGENCY MESSAGE...CORRECTED
TEXAS DIVISION OF EMERGENCY MANAGEMENT
ISSUED BY NATIONAL WEATHER SERVICE FORT WORTH TX
1015 AM CDT WED OCT 9 2002

..CORRECTED LICENSE PLATE NUMBER AND CONTACT INFO...

THE FOLLOWING MESSAGE IS BEING TRANSMITTED AT THE REQUEST OF THE TEXAS DEPARTMENT OF PUBLIC SAFETY.

..AMBER ALERT...

NICOLE LIGHTFOOT HELLMAN...AGE 14 IS BELIEVED TO HAVE BEEN ABDUCTED ON OCTOBER 5...2002. HER LAST KNOWN LOCATION WAS IN AUSTIN...TEXAS. SHE IS WHITE...4 FEET...10 INCHES TALL...WEIGHS 75 POUNDS...HAS BLONDE HAIR AND HAZEL EYES. SHE WAS LAST SEEN WEARING FLARED DENIM JEANS...A PALE PINK RIBBED TURTLE NECK...AND WHITE NIKE TENNIS SHOES WITH A GREEN SWOOSH. SHE HAS BRACES ON HER TEETH.
THE SUSPECT IN THE ABDUCTION IS LOIS RENAE LIGHTFOOT...AGE 32...WHITE...HEIGHT 5 FEET 6 INCHES...WEIGHT 115 POUNDS... SHE HAS BROWN EYES AND DIED BLONDE HAIR.

A SECOND SUSPECT IS JAMES TODD WESTMORELAND...AGE 37...HEIGHT 6 FEET 0 INCHES...WEIGHT 183 POUNDS. HE HAS GREEN EYES ...BROWN HAIR AND A MOUSTACHE.

THE VEHICLE USED IN THE ABDUCTION IS A WHITE...1999 CHEVROLET...
MODEL Z-71 WITH TEXAS LICENSE PLATE 2JVL61...STANDARD CAB.

IF YOU HAVE ANY INFORMATION REGARDING NICOLE LIGHTFOOT HELLMAN...
PLEASE CONTACT YOUR LOCAL POLICE OR THE ELKO NEVADA POLICE AT
775-777-7327 OR 775-777-7321.

Terry

At 09:57 AM 10/12/2002 -0700, W1SAR wrote:

>We need to work with the state agencies to automate this process. Work is
>being done on other community warnings / information and this is clearly
>another one for the list.

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192. [aprssig] Dual Hop SUCCESS!

From: Bob Bruninga <bruninga@usna.edu>
Date: Sat, 12 Oct 2002 16:31:00 -0400 (EDT)
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-102532-2002.10.12-16.13.38--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

ISS<==>PCSAT SUCCESS:

This was pass of ISS and PCsat over USA with PCsat almost directlly 500 miles overhead of ISS over Newfoundland. To make this fit on your 80 character Email, the first copy is a complete Header with the text truncated and the second list is just the CALL and the DATA part of the successful packets. My clock is 42 seconds behind. The first packet (15:56:16) was actually 15:56:58

```
[15:56:16] KB1GVR>CQ,RS0ISS*,W3ADO-1/1:=4436.18N/06826.92W-> QSL TEST
[15:56:17] KB1GVR>CQ,RS0ISS,W3ADO-1*/1:=4436.18N/06826.92W-> QSL TEST

[15:56:23] KB2M-3>SYQQ0W,W3ADO-1*,RS0ISS/1:'fH~l j/]www.qsl.net/kb2m
[15:56:24] KB2M-3>SYQQ0W,W3ADO-1,RS0ISS*/1:'fH~l j/]www.qsl.net/kb2m

[15:56:27] KB1GUE>CQ,RS0ISS*,W3ADO-1,SGATE,WIDE/1:>FN42IL/- CQ from Glenn
[15:56:28] KB1GUE>CQ,RS0ISS,W3ADO-1*,SGATE,WIDE/1:>FN42IL/- CQ from Glenn

[15:56:34] KB2M-5>APRSAT,RS0ISS*,W3ADO-1/1:=3911.01N/07445.00W`www.qsl...
[15:56:35] KB2M-5>APRSAT,RS0ISS,W3ADO-1*/1:=3911.01N/07445.00W`www.qsl...

[15:56:46] WB4APR>APRS,RS0ISS*,W3ADO-1,ARISS/1::ALL      :TEST in
[15:56:47] WB4APR>APRS,RS0ISS,W3ADO-1*,ARISS/1::ALL      :TEST in

[15:57:16] KB2M-5>APRSAT,RS0ISS*,W3ADO-1/1:=3911.01N/07445.00W`www.qsl...
[15:57:16] KB2M-5>APRSAT,RS0ISS,W3ADO-1*/1:=3911.01N/07445.00W`www.qsl...
```

Here is the full text of the successful packets.

```
KB1GVR>    :=4436.18N/06826.92W-> QSL TEST
KB1GUE>    :>FN42IL/- CQ from Glenn in Bedford Mass. - KB1GUE@amsat.org
WB4APR>    ::ALL      :TEST in progress
KB2M-5>    :=3911.01N/07445.00W`www.qsl.net/kb2m
```

Notice that packets went BOTH ways.

One other station, KB1EAA inadvertantly got a Triple hop, but with a ground station inbetween because he had a WIDE on the end of his path (which we have recommended for better IGate success once the packet reaches the ground). But in this case, with ISS also having the WIDE alias, it went back up via satellite!

```
[15:54:19] KB1EAA>APK002,W3ADO-1,SGATE,RS0ISS*/1::PCSAT    :HI{9
```

With the satellites being WIDE also, this is not a good idea (now that I think about it.. sorry)...

For this pass, I got to the ground station after the pass was HALF over and was still able to comand PCsat into power saving mode with the UHF

```
RX's off and the Transmitters isolated.  Thus, PCsat was fully functional
with enough power for the test!

de WB4APR@amsat.org, Bob

PCsat WEB  page     http://www.ew.usna.edu/~bruninga/pcsat.html
ISS-APRS FAQ:       http://www.ew.usna.edu/~bruninga/iss-faq.html
CUBESAT Designs     http://www.ew.usna.edu/~bruninga/cubesat.html
APRS LIVE pages     http://www.ew.usna.edu/~bruninga/aprs.html
APRS SATELLITES     http://www.ew.usna.edu/~bruninga/astars.html
MIM/Mic-E/Mic-Lite  http://www.toad.net/~wclement/bruninga/mic-lite.html


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```

193. [aprssig] Re: Amber alert

From: "Mark Fellhauer" <sparkfel@qwest.net>
Date: Sat, 12 Oct 2002 16:34:37 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-102533-2002.10.12-17.18.13--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

```
At 11:57 AM 10/12/02, W1SAR wrote:

>Without drifting too far off the APRS topic, I would caution people NOT to
>over-react to local databases of registered sex offenders.  As a police
>officer in the city reported by 'Americas Most Wanted' to have the highest
>percentage of registered sex offender per capita, I caution people that more
>dangerous than the registered sex offenders (who we watch daily) are the
>ones living next door who haven't been caught yet!

Again, trying not to stray too far off-topic...

But I would also like to point out that several states have statutes that
classify non-contact non-exposure (or consentual acts) "crimes" as sex
offenses and require people convicted under those statutes to register as
sex-offenders even though, psychologically-speaking, they are not sexual
predators.    I find this shameful behavior on the part of legislators,
prosecutors, and police departments that unfairly stigmatizes the
individual and trivializes the severity of the true connotation of the
offense.   I cite Georgia, Arizona, and my neighboring state of Minnesota,
as prime examples.

73,

Mark
KC7BXS



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```

194. [aprssig] Re: Junk R/C equipment

From: Doug McFadden <kc7imr@orednet.org>
Date: Sat, 12 Oct 2002 14:55:41 -0700 (PDT)
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: TAPR APRS Special Interest Group <aprssig@lists.tapr.org>
Message-ID: <LYR842-102534-2002.10.12-17.45.51--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

```
You hit the nail on the head, AM.  No point in trying to feed 1200b to an
AM tx.  And as such it remails junk.

Doug


On Fri, 11 Oct 2002, larry Also wrote:

> Date: Fri, 11 Oct 2002 12:03:55 -0700 (PDT)
> From: larry Also <larrytooalso@yahoo.com>
> To: TAPR APRS Special Interest Group <aprssig@lists.tapr.org>
> Subject: [aprssig] Re: Junk R/C equipment
>
```

>
> function SetDomain(d) { document.domain = d; }Old "digital" equipment was actually on-off keyed (AM), or PSK (FM) of an RF signal where the "channels" (2 to 8) were actually Time Domain Multiplexed, pulse width encoded analog. On the other hand, the new DIGITAL R/C systems use actual digital encoding of the information.
>
>
>
> Caution, only "Gold Seal" and later systems (narrow band) are allowed on club flying fields.
>
>
>
> ---------------------------------
> Do you Yahoo!?
> Faith Hill - Exclusive Performances, Videos, & more
> faith.yahoo.com

Doug/KC7IMR

Trying to establish voice contact ... please yell into your keyboard.
-=-

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195. [aprssig] Dual Hop SUCCESS! (corrected copy)

From: Bob Bruninga <bruninga@usna.edu>
Date: Sat, 12 Oct 2002 18:06:24 -0400 (EDT)
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-102535-2002.10.12-17.48.56--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

This is a time-corrected list to UTC and it adds N4ZQ that was reported by AZRowe. This is the last analysis I can do tonight without a divorce...

ISS<==>PCSAT SUCCESS:

This was pass of ISS and PCsat over USA with PCsat almost directlly 500 miles overhead of ISS over Newfoundland. To make this fit on your 80 character Email, the first copy is a complete Header with the text truncated and the second list is just the CALL and the DATA part of the successful packets. These times (except for N4ZQ's time) are within 1 sec of UTC.

At 19:56:15 or so, PCsat passed DIRECTLY 420 km over ISS and this was about 100km NW of Natashquan, Quebec. 40 seconds later We got the first successes that lasted one minute. By that time the distance between ISS and PCsat was about 600 km away. The N4ZQ report was using a different clock and I am waiting for confirmation of his clock offset.

Although ISS and PCsat were in view over the entire USA, these succeses occured after most of the USA was no longer in view. The next pass was also directly over USA, but ISS had switched back to voice on 145.800 and so no packet tests were possible. But I did get to talk to Valery (did anyone record it?). This is last analysis I can do, without a divorce. I cant wait to plot everyone and the tracks and put it on the web page...

```
[19:54:24] N4ZQ>QST,W3ADO-1,RS0ISS*,SGATE,WIDE<<UI>>:

[19:56:58] KB1GVR>CQ,RS0ISS*,W3ADO-1/1:=4436.18N/06826.92W-> QSL TEST
[19:56:59] KB1GVR>CQ,RS0ISS,W3ADO-1*/1:=4436.18N/06826.92W-> QSL TEST

[19:57:05] KB2M-3>SYQQ0W,W3ADO-1*,RS0ISS/1:'fH~l j/]www.qsl.net/kb2m
[19:57:06] KB2M-3>SYQQ0W,W3ADO-1,RS0ISS*/1:'fH~l j/]www.qsl.net/kb2m

[19:57:09] KB1GUE>CQ,RS0ISS*,W3ADO-1,SGATE,WIDE/1:>FN42IL/- CQ from Glenn
[19:57:10] KB1GUE>CQ,RS0ISS,W3ADO-1*,SGATE,WIDE/1:>FN42IL/- CQ from Glenn

[19:57:16] KB2M-5>APRSAT,RS0ISS*,W3ADO-1/1:=3911.01N/07445.00W`www.qsl...
[19:57:17] KB2M-5>APRSAT,RS0ISS,W3ADO-1*/1:=3911.01N/07445.00W`www.qsl...

[19:57:28] WB4APR>APRS,RS0ISS*,W3ADO-1,ARISS/1::ALL      :TEST in
[19:57:29] WB4APR>APRS,RS0ISS,W3ADO-1*,ARISS/1::ALL      :TEST in
```

```
[19:57:58] KB2M-5>APRSAT,RS0ISS*,W3ADO-1/1:=3911.01N/07445.00W`www.qsl...
[19:57:58] KB2M-5>APRSAT,RS0ISS,W3ADO-1*/1:=3911.01N/07445.00W`www.qsl...
```

Here is the full text of the successful packets.

```
KB1GVR>    :=4436.18N/06826.92W-> QSL TEST
KB1GUE>    :>FN42IL/- CQ from Glenn in Bedford Mass. - KB1GUE@amsat.org
WB4APR>    ::ALL      :TEST in progress
KB2M-5>    :=3911.01N/07445.00W`www.qsl.net/kb2m
```

Notice that packets went BOTH ways.

One other station, KB1EAA inadvertantly got a Triple hop, but with a ground station inbetween because he had a WIDE on the end of his path (which we have recommended for better IGate success once the packet reaches the ground). But in this case, with ISS also having the WIDE alias, it went back up via satellite!

```
[15:54:19] KB1EAA>APK002,W3ADO-1,SGATE,RS0ISS*/1::PCSAT    :HI{9
```

With the satellites being WIDE also, this is not a good idea (now that I think about it.. sorry)...

For this pass, I got to the ground station after the pass was HALF over and was still able to comand PCsat into power saving mode with the UHF RX's off and the Transmitters isolated. Thus, PCsat was fully functional with enough power for the test!

de WB4APR@amsat.org, Bob

PCsat WEB page	http://www.ew.usna.edu/~bruninga/pcsat.html
ISS-APRS FAQ:	http://www.ew.usna.edu/~bruninga/iss-faq.html
CUBESAT Designs	http://www.ew.usna.edu/~bruninga/cubesat.html
APRS LIVE pages	http://www.ew.usna.edu/~bruninga/aprs.html
APRS SATELLITES	http://www.ew.usna.edu/~bruninga/astars.html
MIM/Mic-E/Mic-Lite	http://www.toad.net/~wclement/bruninga/mic-lite.html

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196. [aprssig] Interesting comparison...

From: Steve Dimse <k4hg@tapr.org>
Date: Sat, 12 Oct 2002 18:11:13 -0400
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: TAPR APRS Special Interest Group <aprssig@lists.tapr.org>
Message-ID: <LYR842-102536-2002.10.12-17.52.43--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

I'm back from my 31 day road trip, had a wonderful time in Utah. Thanks for those who heard about my broken rib (biking accident before the DCC) and wished me well. It still hurts, and slowed down my biking, kayaking, and hiking vacation a little, but it is healing.

Those at DCC know I was travelling with two commercial trackers as well as VHF APRS. findU provides a nice way to compare the coverage of the three systems. First, APRS (on 144.39, R,W3-3 at 3 min rate):

http://www.findu.com/cgi-bin/track.cgi?call=K4HG-8&geo=usa.geo&start=900

The Earthlink AVL (http://www.research.earthlink.net/avl/) which uses a Motorola Reflex 2-way paging modem transmitting every minute:

http://www.findu.com/cgi-bin/track.cgi?call=avl&geo=usa.geo&start=900

and finally the CAReader system (www.networkcar.com) using a Cingular MobilTex modem transmitting every minute:

http://www.findu.com/cgi-bin/track.cgi?call=careader&geo=usa.geo&start=900

With the exception of I-10 in Louisiana and the Florida panhandle, APRS is the clear winner! Congrats to all who build and maintain the network...not bad for a bunch of amateurs ;-)

For those like me who field the question from non-amateurs "How can I do that without getting a license?", the CAReader is a very nice system. Compact and easy to install (one plug, into the car computer's ODB-II connector), with a ton of features (with telemetry of the car computer's data, and including the ability to use the data to skip smog inspections in California), it is the best commercial solution I've seen.

Steve K4HG

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197. [aprssig] Re: Amber alert

From: dale huguley <kg5qd@earthlink.net>
Date: 12 Oct 2002 19:10:29 -0400
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: TAPR APRS Special Interest Group <aprssig@lists.tapr.org>,
        ke4d@escapees.com,
        "gwheeler@vmguys.com
<LYR22291-102492-2002.10.12-08.32.52--kg5qd#earthlink.net@lists.tapr.org>"
<LYR22291-102492-2002.10.12-08.32.52--kg5qd#earthlink.net@lists.tapr.org>
Message-ID: <LYR842-102551-2002.10.12-19.01.22--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Hi All-
The Weather Service has not co-ordinated the Output of the Amber Alerts between the various offices- The following is from four offices with the same information regarding the vehicle in question:

>From Ft Worth:
THE VEHICLE USED IN THE ABDUCTION IS A WHITE...1999 CHEVROLET...
MODEL Z-71 WITH TEXAS LICENSE PLATE 2JVL01...STANDARD CAB.

>From Houston:
THE VEHICLE USED IN THE ABDUCTION IS A WHITE PICK UP...1999
CHEVROLET...MODEL Z 71...STANDARD CAB. THE TEXAS LICENSE PLATE
IS...2 J V L 61.

>From San Antonio;
THE VEHICLE USED IN THE ABDUCTION IS A WHITE...1999 CHEVROLET...
MODEL Z-71 WITH TEXAS LICENSE PLATE 2JVL01...STANDARD CAB.

>From San Angelo:
THE VEHICLE USED IN THE ABDUCTION IS A WHITE...1999 CHEVROLET...
MODEL Z 71 WITH TEXAS LICENSE PLATE 2 J V L 0 1...STANDARD CAB.

So out of 4 offices there are three ways to say the same thing- this is ok for humans - a major pain trying to write a parser for this stuff- without some help with a standardized format it will not fit into APRS- it is too verbose.

Parse for "LICENSE PLATE" and hope you can back -up to the proper State? Remember if there is this this much variation between NWS offices in one region imagine how much programming it will take for 137 offices. APRS can't be the only situation where the relay of the data needs to be automatic.

There needs to be a clear method of relaying the location if a vehicle or abducted child is seen- remember we have the ability to track a vehicle graphically by gps/aprs. A switch to "Emergency" on a tracker output might work if it could be tied to the Amber Alert.

I will probably have some kind of rudimentary parser going by Monday night - the data is on the EMWIN stream I use for Wx and most of the nuts and bolts are already there.

73 de kg5qd Dale

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198. [aprssig] Re: Amber alert

From: tvsjr <tvsjr@sprynet.com>
Date: Sat, 12 Oct 2002 18:34:24 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-102552-2002.10.12-19.14.48--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

```
Well, that's the trouble with verbose text entry... it'll never be the
same. If things were coordinated properly, a form with individual fields
for different "normal" characteristics (suspect/victim description, suspect
vehicle, broken down into fields) and a notes field would be wonderful.
Unfortunately, there are probably reasons not to do this too, and trying to
get a governmental organization to put this together may be an impossibility.

Terry

At 07:10 PM 10/12/2002 -0400, dale huguley wrote:
>Hi All-
>The Weather Service has not co-ordinated the Output of the Amber Alerts
>between the various offices- The following is from four offices with the
>same information regarding the vehicle in question:
>
> From Ft Worth:
>THE VEHICLE USED IN THE ABDUCTION IS A WHITE...1999 CHEVROLET...
>MODEL Z-71 WITH TEXAS LICENSE PLATE 2JVL01...STANDARD CAB.
<SNIP>



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```

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199. [aprssig] Amber alert suggestion

From: John Kraus <jfkraus3@cox.net>
Date: Sat, 12 Oct 2002 19:42:20 -0400
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-102554-2002.10.12-19.24.55--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

```
Given the verbose nature of the Amber Alert messages my suggestion would be
for a "heads up" type of APRS Bulletin.  I see little need to send the
entire thing when it is being broadcast in a massively redundant manner by
the news media.  A simple "check the news" should suffice.

Now if the range circle function in APRS could be harnessed to generate an
expanding circle of probability to show where to look it might be useful
for a brief interval early on. Think 360 dead reckoning.  But it would be
worthless once about 30-45 minutes have passed depending on the speed of
the expansion.

---
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```

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200. [aprssig] Re: Amber alert

From: "John Veach" <ke4d@escapees.com>
Date: Sat, 12 Oct 2002 20:03:39 -0400
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>,
        <gwheeler@vmguys.com>
Message-ID: <LYR842-102555-2002.10.12-19.48.18--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

```
Thanks Dale, I have also contacted the ARRL to see if they have anything
going on this issue.  As a fulltime RVer and ham, it seems we could lend
some serious coverage in these alerts.  Let's hope this works out.

John and Libby Veach
KE4D      KB4FFO
website: http://www.TheRollingHome.com
email:  ke4d@escapees.com
```

```
---
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Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org
```

201. [aprssig] Re: Amber alert

```
From: "Mike Yetsko" <myetsko@insydesw.com>
Date: Sat, 12 Oct 2002 20:01:13 -0400
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-102556-2002.10.12-19.49.59--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain
```

```
> We need to work with the state agencies to automate this process.  Work
is
> being done on other community warnings / information and this is clearly
> another one for the list.
>
> Without drifting too far off the APRS topic, I would caution people NOT
to
> over-react to local databases of registered sex offenders.  As a police
> officer in the city reported by 'Americas Most Wanted' to have the
highest
> percentage of registered sex offender per capita, I caution people that
more
> dangerous than the registered sex offenders (who we watch daily) are the
> ones living next door who haven't been caught yet!  Don't be lulled into
a
> false sense of security because your block doesn't have a registered
> offender listed.

I agree.

Here in Worcester Mass we had a case about a 'registered sex offender'
when the law was passed a while back requiring him to register.

Seems there were some problems with the list!  Some of these guys
even had pistol permits!  Yes, here in the peoples democratic republic
of Mass, one of the two remaining bastions of communism left, after
Bejing and Havana!

But, what was interesting was the court case.  The guy was 'changing'
in his car for a softball game.  A woman walked by and gave him
grief for it, so he intentionally (allegedly) exposed more of his buttocks
than he probably should have.  She grabbed a local officer, and the
guy, instead of taking a stance of 'prove it', evidently thought to smooth
the way and admitted to the officer the whole thing.  Well, the lady was
a "*", pressed the issue, and it goes to court.  Years ago.

Now, when it goes to court, and you have a lady like this pushing the
issue, and you can try to force it but the down side is a possible jail
time.  Or you can plead 'no contest' and pay a $35 fine and end it
there, what would you do?

But...  It didn't end there.  It was 'indecent exposure'.  And years
later, guess what?  He's on the 'sexual offenders' list!

(Just think back to what YOU did in college!)

So, is that fair?

The judge thought not, and now Mass has a '3 tier' sexual offender
list.  Or did the last I looked into it.  (I'm not really one of those who
keeps up with that thing.)

The point is, be careful classifying people just because someone else
'classified' them without knowing the details.

Mike




---
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```

202. [aprssig] Re: Amber alert suggestion

From: tvsjr <tvsjr@sprynet.com>
Date: Sat, 12 Oct 2002 19:22:32 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-102558-2002.10.12-20.02.45--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

```
Trying to determine the actual time of abduction would be about impossible
(it MIGHT be contained in the body text, if known). Most amber alerts end
up being deals anyway, and the alert may not go out until hours after the
"abduction."

Terry

At 07:42 PM 10/12/2002 -0400, John Kraus wrote:
>Given the verbose nature of the Amber Alert messages my suggestion would be
>for a "heads up" type of APRS Bulletin.  I see little need to send the
>entire thing when it is being broadcast in a massively redundant manner by
>the news media.  A simple "check the news" should suffice.
>
>Now if the range circle function in APRS could be harnessed to generate an
>expanding circle of probability to show where to look it might be useful
>for a brief interval early on. Think 360 dead reckoning.  But it would be
>worthless once about 30-45 minutes have passed depending on the speed of
>the expansion.
>
>---
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```

---

203. [aprssig] Re: Triple Hop questions?

From: Bob Bruninga <bruninga@usna.edu>
Date: Sun, 13 Oct 2002 10:04:53 -0400 (EDT)
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: amsat-bb@amsat.org, <sarex@amsat.org>
Message-ID: <LYR842-102592-2002.10.13-09.47.26--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

```
More on the ISS/PCsat test.

> .... One other station, KB1EAA inadvertantly got a Triple hop, but with
> a ground station inbetween because he had a WIDE on the end of his path
> (which we have recommended for better IGate success once the packet
> reaches the ground).  But in this case, with ISS also having the WIDE
> alias, it went back up via satellite!
>
> [15:54:19] KB1EAA>APK002,W3ADO-1,SGATE,RS0ISS*/1::PCSAT    :HI{9
>

Which brings up some questions?
1) Where was the "SGATE" digi?
2) Was it on the ground or ISS?

The "SGATE" path for packets from PCsat or users was invented to solve a
"rules" problem in Australia.  The interpretation I received was that
packets could not be received from space and automatically injected into
a terrestrial network system without the intent of the originator.  THus
by originating packets with the SGATE path in them, then the packets
could be legally picked up and injected into the APRS system.

In that sense, I always thought that most SGATE's were in Australia, or
were only Injecting into the APRS internet, not digipeating back out to
RF.

*OR* since I have been sending the recommendations for this test to ARISS
since January, and I sent many versions and recommendatinos over that
time frame as the status and situation on PCast degraded, I always wanted
them to have the best recommendation.  In some of those, I recommended
that ISS include a digipeating ALIAS of SGATE too.  This way, since all of
PCsat's telemery has SGATE in its path, then if ISS was ever in range of
PCsat, then it might relay PCsat's telemetry.

QUESTION IS, was SGATE installed as a valid ALIAS on ISS?
```

So next time someone has ISS in view and packet is on, try digipeating using the path of UNPROTO CQ VIA SGATE and tell me if it worked. I have confirmed that the aliases of RS0ISS and ARISS and WIDE work, but I didn't check for SGATE. BUT in KB1EAA's packet, the SGATE did not do callsign substitution, so it could not have been ISS. ANd besides, if it HAD digipeated it, then it could not also have digipeated the next hop via RS0ISS too.

Also check for APRSAT. It was recommended as the universal spaceborne UI digipeating alias, but when PCsat started losing its ability to keep its configuration, we were unable to keep that alias maintanied on PCsat, so we removed that from the current recomendatin for this test.. But again, we aren't sure what the 4 active aliases are that actually got loaded on ISS.

Bob

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204. [aprssig] Re: Amber alert

From: Greg Jurrens <greg@jurrens.net>
Date: Sun, 13 Oct 2002 09:10:51 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: aprssig@lists.tapr.org, ke4d@escapees.com
Message-ID: <LYR842-102593-2002.10.13-09.53.43--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

List:

For what it's worth, the Nicole Lightfoot AMBER alert didn't go very well in Austin. Several procedures were skipped or incorrectly processed. The message was not drafted in the proper format so most of the EAS receivers didn't pick it up. Also, by current guidelines, this AMBER alert should never have been posted as it didn't meet the minimum reporting requirement. The child was in the 'possesion?' of one of her parents.

The good news is that she was located. All's well that ends well. The AMBER folks are happy she's home AND that they skated a major faux pas.

Greg
WD0ACD

On Sat, 12 Oct 2002 7:50:24 -0500
John Mullinix <mullinix@tds.net> wrote:

> Hi all,
>
> I recently attended a meeting sponsored by the Cherokee County (NC) Crime Commission regarding the introduction of the Amber alert system into our area, the North Georgia Mountains, Western NC and SE Tennessee. Amber Alert is the program in use in many jurisdictions to alert the public of a child abduction when the child's life may be in danger. They want ham radio operators involved to help get the word out.
>
> I told John Veach, KE4D, about the meeting and he suggested APRS as a method of getting the word out to a lot of hams quickly.
>
> What would be the best way to issue these alerts on APRS and should we APRSers set up a standard protocol for using it? They don't need to be national, but do need to cover large regions, and usually include the child's description and vehicle description of the abductor's vehicle.
>
> Please cc:mullinix@tds.net on all responses. I suscribe to the digest version of the sig.
>
> Tnx es 73
> de KF4SKT
> John
>
> John Mullinix, CCNA
> mullinix@tds.net

> Where's John http://map.findu.com/kf4skt-15
>
>
> ---
> You are currently subscribed to aprssig as: greg@jurrens.net
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>
>

--
Greg Jurrens - WD0ACD

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205. [aprssig] AGWPE

From: Robbie <mwrobertson@attbi.com>
Date: Sun, 13 Oct 2002 09:49:46 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-102597-2002.10.13-10.32.13--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

hi,

Can someone please describe changing unproto paths using Winaprs
and AGWPE? I have them working together, and when going to
Settings/TNC and change my path, it stays the same, WIDE,WIDE and
I don't think that works on HF

Thanks for reading and any enlightenment,

Robbie, wa9inf

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206. [aprssig] Amber Alert

From: "John Mullinix" <mullinix@tds.net>
Date: Sun, 13 Oct 2002 11:16:45 -0400
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: "John and Libby Veach" <ke4d@escapees.com>
Message-ID: <LYR842-102599-2002.10.13-10.59.13--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Great discussion and Great Ideas.

It looks like the NWS is already issuing these but they are too verbose for an APRS bulletin. In Georgia, we have a system of commercial pagers that the state ARES organization uses to alert county EC's. This system is also tied to the NWS for weather updates in our area. I will contact the person in our state that handles the pagers and see if an Amber Alert would actually go out on our system.

For now, Bob's idea of sending an emergency message may work the best. That message would go out probably nationwide with the internet backbone that APRS is using.

According to the speaker at the meeting I attended, only 2 Amber Alerts were issued in NC last year. He specifically stated that the system is not too be used for parental abduction unless the child's life is in danger. This means that there will not be too many of these alerts occuring, at least in our area.

I think APRS is an excellent medium to use to get this type of word out.

Thanks
John Mullinix, KF4SKT
Cohutta.com
Where's John? http://map.findu.com/kf4skt-15

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207. [aprssig] RE: Amber alert suggestions

From: "Bob D." <n2iph@comcast.net>
Date: Sun, 13 Oct 2002 12:02:29 -0400
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: "Bob Bruninga (E-mail)" <bruninga@nadn.navy.mil>,
"Gary Wilson [OMP] (E-mail)" <GWilson7@ompus.jnj.com>
Message-ID: <LYR842-102606-2002.10.13-11.45.02--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

I agree with John on this.

All that is needed on the APRS system is a
'heads-up' message to check current news or NWS broadcasts for
Amber Alert information. Transmitting the AMBRALRTn does this w/o
the need for additional information in the APRS message.

A simple message on APRS that will be readable on D-7s
(which have very limited message length);

AMBRALRTn <- fits the callsign length limit of 9 characters, where n
could be used
to track more than one alert occurring at the same time.
This 'callsign'
format for an alert would ensure no conflict with actual
Amateur calls.

01/01 23:59 <- Month/Day Time of report, D-7s don't time stamp
received reports,
and there is a need to know how old the alert is if
you are present
when the report is received by you. Suggest the
Date/Time be placed
in the status line. Could drop the / in date and colon
in time if
line length too long to display properly on D-7.

ICON <- To be determined. Need a standard ICON to be used for
such alerts.

FM28el <- grid square for the alert. since we are looking to watch
an AREA and
not a specific Lat/Lon this would seem to be the shortest
method of
transmitting the watch area IN HUMAN READABLE FORMAT.
Just about everybody
knows what grid square they live in, and with a grid
square map or software
can find nearby or remote (to them) squares. Much easier
to work with grid
squares in my opinion for this application.

CSE/SPD <- Would be included IF a known direction of flight (not as
in flying) were given,
otherwise this would be reported as a FIXED location.

Distance <- No input needed, calculated by the D-7/D-700/or software
based on your
last known position.

Comment <- Short comment, maybe a contact telephone number or vehicle
registration
state and tag number, or a local repeater or net frequency
to QSY to.

I thought about this a month or so ago when the widely published
alerts made the news, but hesitated to post to the SIG. It now seems
others would agree that this would be an appropriate use/application
of APRS.

So before anyone goes and invests a lot of time into how to parse this
information into
APRS, lets agree on what information would be appropriate and a format

to deliver it in that will be usable(readable) by the majority. My
suggestions above may very well not be the best, but they are a start.
If you have something better post to the SIG.

73...Bob, N2IPH
RACES Radio Officer & ARES EC for Cumberland County, NJ

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---

208. [aprssig] RE: Amber alert suggestions

From: "Chris Rose" <kb8uih@arrl.net>
Date: Sun, 13 Oct 2002 12:28:30 -0400
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-102608-2002.10.13-12.11.58--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

I will throw a monkey wrench in the works:

Is the only alert we may want to worry about is Amber? What about all the
other colors on the spectrum? The proposed message format will have to take
these into account as well, won't they? Or is Amber the only alert the NWS
is going to send?

Thanks,
Chris
KB8UIH

----- Original Message -----
From: "Bob D." <n2iph@comcast.net>
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: "Bob Bruninga (E-mail)" <bruninga@nadn.navy.mil>; "Gary Wilson [OMP]
(E-mail)" <GWilson7@ompus.jnj.com>
Sent: Sunday, October 13, 2002 12:02 PM
Subject: [aprssig] RE: Amber alert suggestions

> I agree with John on this.
>
> All that is needed on the APRS system is a
> 'heads-up' message to check current news or NWS broadcasts for
> Amber Alert information. Transmitting the AMBRALRTn does this w/o
> the need for additional information in the APRS message.
>
> A simple message on APRS that will be readable on D-7s
> (which have very limited message length);
>
> AMBRALRTn <- fits the callsign length limit of 9 characters, where n
> could be used
>   to track more than one alert occurring at the same time.
> This 'callsign'
>   format for an alert would ensure no conflict with actual
> Amateur calls.

< C U T >

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---

209. [aprssig] RE: Amber alert suggestions

From: Dave Kaplan <dkaplan@steffeninc.com>
Date: Sun, 13 Oct 2002 11:32:23 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-102609-2002.10.13-12.15.00--lyris.aprssig#tapr.org@lists.tapr.org>

Rendered body type: text/plain

```
Amber is not a color. It is named after a girl Amber that was kidnapped,
raped and murdered.

Dave

At 12:28 PM 10/13/2002 -0400, Chris Rose wrote:
>I will throw a monkey wrench in the works:
>
>Is the only alert we may want to worry about is Amber?  What about all the
>other colors on the spectrum?  The proposed message format will have to take
>these into account as well, won't they?  Or is Amber the only alert the NWS
>is going to send?
>
>Thanks,
>Chris
>KB8UIH


---
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210. [aprssig] Re: Amber alert suggestion

From: "Roy Bost" <rbost@itexas.net>
Date: Sun, 13 Oct 2002 12:05:47 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-102615-2002.10.13-12.49.04--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

```
Before we go too far, we need to remember something..  Most Amber Alerts are
local events.  Statewide alerts (in Texas anyway) are not the norm.  An
Amber Alert is normally activated within a few hours of the child being
missing.  The Alert will be given for a specific area say, 200 mile radius
around Granbury, TX.

I support the idea of APRS being used to notify the APRS comunity of the
existance of an Amber Alert, but not the text of the alert..  A bulletin or
an Announcement can be sent over the network.  How would a person using a
home station (non Kenwood D7, D700, etc) send an emergency announcement?  In
WinAPRS it's not a menu item!



---
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211. [aprssig] RE: Amber alert suggestions

From: Billy Mason <kd5knr@swbell.net>
Date: Sun, 13 Oct 2002 12:18:46 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-102616-2002.10.13-13.01.18--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

```
At 11:28 AM 10/13/2002, Chris Rose wrote:
>Is the only alert we may want to worry about is Amber?

What is the AMBER PLAN?
The AMBER Plan is a voluntary partnership between law enforcement agencies
and the media to send out an emergency alert to the public in serious child
abduction cases. AMBER, which stands for America's Missing: Broadcast
Emergency Response, was
established in 1996 in response to the abduction and murder of nine-year
old Amber Hagerman in Dallas, Texas. Under the AMBER Plan, area radio and
television stations interrupt programming to broadcast information
concerning a serious child abduction case using the Emergency Alert System
(EAS). The goal is the safe recovery of missing children that a law
enforcement agency believes has been abducted and is in danger of serious
harm or death. Missing adults, runaways, and children taken in child
custody disputes usually do not qualify for Amber Plan activation.

For the history of the Amber Plan, see the Arlington TX PD Web Site at
<http://www.arlingtonpd.org/index.asp?nextpg=press/amber.asp>, as well as
the FCC Web Site at <http://www.fcc.gov/cgb/amberalert.html>.
```

Regards,

Billy Mason, KD5KNR
Bedford, Texas (EM12kt)
IPN DFW247

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---

212. [aprssig] RE: Amber alert suggestions

From: "Patrick Karp" <pkarp@conwaycorp.net>
Date: Sun, 13 Oct 2002 12:03:59 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-102617-2002.10.13-13.47.48--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

I like this post although I believe it can be simplified.   I would say that the information needed in an Amber Alert exceeds what APRS can offer with in reason.   To be complete you need Time, Location, Personal description of both child and kidnapper, Description of vehicle, Direction of travel, Originating station, and contact source. If you leave out any of these items then you should leave out all but Time, location, originating station, and substitute contact information with Source for more information.   The reason I say this is the fact that even with all the information possible you can still be mislead. And I would hate to be creating a situation where Amateur radio operators are adding to the numbers of false Amber sightings. Ideally it would be great to have an automated system that would use objects for the alert.   But more than likely this info is not available for doing this in a timely fashion. 8(

----- Original Message -----
From: "Bob D." <n2iph@comcast.net>
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: "Bob Bruninga (E-mail)" <bruninga@nadn.navy.mil>; "Gary Wilson
[OMP] (E-mail)" <GWilson7@ompus.jnj.com>
Sent: Sunday, October 13, 2002 11:02 AM
Subject: [aprssig] RE: Amber alert suggestions

> I agree with John on this.
>
> All that is needed on the APRS system is a
> 'heads-up' message to check current news or NWS broadcasts for
> Amber Alert information. Transmitting the AMBRALRTn does this w/o
> the need for additional information in the APRS message.
>
> A simple message on APRS that will be readable on D-7s
> (which have very limited message length);
>
> AMBRALRTn <- fits the callsign length limit of 9 characters, where
n
> could be used
>   to track more than one alert occurring at the same
time.
> This 'callsign'
>   format for an alert would ensure no conflict with
actual
> Amateur calls.
>
> 01/01 23:59 <- Month/Day Time of report, D-7s don't time stamp
> received reports,
>   and there is a need to know how old the alert is if
> you are present
>   when the report is received by you. Suggest the
> Date/Time be placed
>   in the status line. Could drop the / in date and
colon
> in time if
>   line length too long to display properly on D-7.
>
> ICON   <- To be determined. Need a standard ICON to be used for
> such alerts.

```
>
> FM28el    <- grid square for the alert. since we are looking to
watch
> an AREA and
>              not a specific Lat/Lon this would seem to be the
shortest
> method of
>              transmitting the watch area IN HUMAN READABLE FORMAT.
> Just about everybody
>              knows what grid square they live in, and with a grid
> square map or software
>              can find nearby or remote (to them) squares. Much
easier
> to work with grid
>              squares in my opinion for this application.
>
> CSE/SPD  <- Would be included IF a known direction of flight (not as
> in flying) were given,
>             otherwise this would be reported as a FIXED location.
>
>
> Distance <- No input needed, calculated by the D-7/D-700/or software
> based on your
>             last known position.
>
> Comment  <- Short comment, maybe a contact telephone number or
vehicle
> registration
>             state and tag number, or a local repeater or net
frequency
> to QSY to.
>
>
> I thought about this a month or so ago when the widely published
> alerts made the news, but hesitated to post to the SIG. It now seems
> others would agree that this would be an appropriate use/application
> of APRS.
>
> So before anyone goes and invests a lot of time into how to parse
this
> information into
> APRS, lets agree on what information would be appropriate and a
format
> to deliver it in that will be usable(readable) by the majority. My
> suggestions above may very well not be the best, but they are a
start.
> If you have something better post to the SIG.
>
>
> 73...Bob, N2IPH
> RACES Radio Officer & ARES EC for Cumberland County, NJ
>
>
>
>
>
>
>
>
>
> ---
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>
>
```

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213. [aprssig] Re: Amber alert suggestion

From: "Doug Younker" <dougy@ruraltel.net>
Date: Sun, 13 Oct 2002 01:42:38 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-102618-2002.10.13-14.51.03--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Could this be a good reason to start getting tiny web pages servers going?
A one line aprs message announcing that an amber alert has been issued and
check your local server for details.--73
Doug, N0LKK
 dougy@ruraltel.net

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Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

---

214. [aprssig] Re: Amber alert suggestion

From: David VanHorn <dvanhorn@cedar.net>
Date: Sun, 13 Oct 2002 14:15:11 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-102619-2002.10.13-14.57.20--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

At 01:42 AM 10/13/2002 -0500, Doug Younker wrote:
>Could this be a good reason to start getting tiny web pages servers going?
>A one line aprs message announcing that an amber alert has been issued and
>check your local server for details.--73
>Doug, N0LKK
> dougy@ruraltel.net

If the alert message just passed a URL, then we could open the page and get all the details. Dosen't work for D-700's though.

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Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

---

215. [aprssig] Re: Amber alert suggestion

From: "Spider" <spider@rivcom.net>
Date: Sun, 13 Oct 2002 12:16:49 -0700
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-102620-2002.10.13-14.59.42--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

----- Original Message -----
From: "Roy Bost" <rbost@itexas.net>
To: "TAPR APRS Special Interest Group" <>
Sent: Sunday, October 13, 2002 10:05 AM
Subject: [aprssig] Re: Amber alert suggestion

> Before we go too far, we need to remember something.. Most Amber Alerts
are
> local events. Statewide alerts (in Texas anyway) are not the norm. An
> Amber Alert is normally activated within a few hours of the child being
> missing. The Alert will be given for a specific area say, 200 mile radius
> around Granbury, TX.
>
> I support the idea of APRS being used to notify the APRS comunity of the
> existance of an Amber Alert, but not the text of the alert.. A bulletin
or
> an Announcement can be sent over the network. How would a person using a
> home station (non Kenwood D7, D700, etc) send an emergency announcement?
In
> WinAPRS it's not a menu item!
>

I agree, Roy. I am having a hard time wondering why I would send out
emergency beacons on APRS if I did infact
spot a suspect vehicle. The NWS even though, they sent the alert, are not
the authority to be reporting to.
Let's be real here, folks! if you did receive an alert, and you did spot
the vehicle, possibly with child on board.....would your
reaction be to start sending packets about it? Certainly would not be even

close to my first reactions as a citizen. And, if it's your first dozen or so reactions,,,,well, that just scares the hell out of me for the child's sake.

I would suggest FORGETTING about sending emergency messages and focus your energy on the format of the bulletin, IF the NWS, in an official capacity is going to be sending out these sort of bulletins on APRS. The immediate response you would consider is #1 Self Preservation, #2 Seek Law Enforcement in anyway you can. Until APRS has a full time 24/7 emergency response system with trained personnel, forget it unless it's your last resort.

Jim, WA6OFT

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Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

216. [aprssig] Re: Amber alert suggestion

From: "Spider" <spider@rivcom.net>
Date: Sun, 13 Oct 2002 12:19:00 -0700
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-102621-2002.10.13-15.01.54--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

----- Original Message -----
From: "Doug Younker" <dougy@ruraltel.net>
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Sent: Saturday, October 12, 2002 11:42 PM
Subject: [aprssig] Re: Amber alert suggestion

> Could this be a good reason to start getting tiny web pages servers going?
> A one line aprs message announcing that an amber alert has been issued
and
> check your local server for details.--73
> Doug, N0LKK
> dougy@ruraltel.net

I'd bet there would be one if this is an organized LE operation for public awareness.

Jim, WA6OFT

www.wa6oft.com

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217. [aprssig] Re: Amber Alert

From: dale huguley <kg5qd@earthlink.net>
Date: 13 Oct 2002 15:24:23 -0400
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-102622-2002.10.13-15.15.19--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Hi All-
There are not enough examples of the format used by the NWS for the Amber Alerts to do a very sophisticated parser. I have added Amber parsing to Wxsvr that should detect a test of the system, and possibly send the License Plate and Vehicle Description of a real alert. If you

are mobile, it seems this is the bare minimum you would need to know what to look for- and to know there is an alert in progress.

The format is such that if you are i-gating wx information for your area, add "AMB" to your list of products to send. I.E. "PHIAMB" for Philadelphia. If you have a wildcard enabled gate- you should be set already.

```
PHIAMB>APRS::BLN_AMBER:AMBER:TEST OF THE AMBER ALERT SYSTEM {TEjAA

SJTAMB>APRS::BLN_AMBER:AMBER:A WHITE...1999 CHEVROLET... MODEL Z 71 WITH
TEXAS LICENSE PLATE 2  {942AA

SJTAMB>APRS::BLN_AMBER:AMBER:TEXAS LICENSE PLATE 2 J V L 0 1...STANDARD
CAB.{942AB

HGXAMB>APRS::BLN_AMBER:AMBER:A WHITE PICK UP...1999 CHEVROLET...MODEL Z
71...STANDARD CAB.{9GfAA

HGXAMB>APRS::BLN_AMBER:AMBER:TEXAS LICENSE PLATE IS...2 J V L 61.{9GfAB
```

The AMBER AMBER stutter is for D7's - they won't display the BLN_AMBER.

I hope I have no more bulletins to hone my parsing skills on this one.

73 de kg5qd Dale

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---

218. [aprssig] RE: Amber alert suggestions

From: "Ronald Reams" <wa4mjf@worldnet.att.net>
Date: Sun, 13 Oct 2002 15:35:00 -0400
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-102623-2002.10.13-15.17.47--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Errr, Chris, it isn't a colour, it is the first name of the little girl in TX that got the system started.

Well, actually, she did not start it 'cause she is dead, but it was named after her.

73 de Ronnie

----- Original Message -----
From: "Chris Rose" <kb8uih@arrl.net>
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Sent: Sunday, October 13, 2002 12:28
Subject: [aprssig] RE: Amber alert suggestions

I will throw a monkey wrench in the works:

Is the only alert we may want to worry about is Amber? What about all the other colors on the spectrum? The proposed message format will have to take these into account as well, won't they? Or is Amber the only alert the NWS is going to send?

Thanks,
Chris
KB8UIH

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---

219. [aprssig] RE: Amber alert suggestions

From: Bob Bruninga <bruninga@usna.edu>
Date: Sun, 13 Oct 2002 17:56:09 -0400 (EDT)
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>

Message-ID: <LYR842-102638-2002.10.13-17.38.44--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

On Sun, 13 Oct 2002, Bob D. wrote some good ideas about the amberalert. and it triggered these thoughts:

The Mic-E format for EMERGENCY is the only curent APRS format that actually triggers alarms. We have talked about other formats, but were never able to get the different authors to agree. So I just realized that there is nothing that prohibits any PC from generating an EMERGENCY in Mic-E format when needed. duh... We have the definition, it DOES trigger alarms in all software, so if one needs to use it, then do it.

Thus the GENERAL method in all of APRSdom to generate a CANNOT-IGNORE type of alert is witht he Mic-E EMEREGENCY format. Then you have 20 characters of STATUS text in which to tell what KIND of alert. Usually, this tells you to look for a BULLETIN of the same subject.

So choose exactly what you can fit into those 20 characters. But also remember that the new G model kenwood also uses up some of those characters for altitude, so you can only guarantee I think 17 characters. My first guess at a format would be "AMBER-MD13/1420" showing the TYPE of emergency, the State, and the DATE and TIME.

Everything else goes in a bulletin. This general format can be used for any other kind of alerting process in APRS as well. But the text MUST be limited to 20 bytes (or 17, we need to determine that for sure.)

Actually, the limitation of 17 would only apply if the EMERGENCY STAtus was entered on a "G" model D7 AND if that D7 was curently in GPS mode with a valide GPS stream. Only then is altitude present. And then the question is, WHAT does a NON-G model see? That is when the truncatin ot 17 characters may appear. So if we do standardize on 20 characters, make sure that the LAST 3 characters (if uses) are NOT CRITICAL...

bob

> A simple message on APRS that will be readable on D-7s
> (which have very limited message length);
>
> AMBRALRTn <- fits the callsign length limit of 9 characters, where n
> could be used to track more than one alert occurring at the same time.
>
> 01/01 23:59 <- Month/Day Time of report, D-7s don't time stamp
>
> I thought about this a month or so ago when the widely published
> alerts made the news, but hesitated to post to the SIG. It now seems
> others would agree that this would be an appropriate use/application
> of APRS.
>
> So before anyone goes and invests a lot of time into how to parse this
> information into APRS, lets agree on what information would be
> appropriate and a format to deliver it in that will be usable(readable)
> by the majority. My suggestions above may very well not be the best, but
> they are a start. If you have something better post to the SIG.
>
> 73...Bob, N2IPH
> RACES Radio Officer & ARES EC for Cumberland County, NJ

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220. [aprssig] RE: Amber alert suggestions

From: "Chris Rose" <kb8uih@arrl.net>
Date: Sun, 13 Oct 2002 18:26:39 -0400
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-102639-2002.10.13-18.10.13--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Thanks for clarifying the situation for me. I was taking this thread another way and applying it to the National Home Defense Department's code for national readiness. I forgot the actual acronym for it, but they use a color scheme for several levels of alert readiness. I was looking for all colors to be included in the packet format.

Chris

KB8UIH

----- Original Message -----
From: "Dave Kaplan" <dkaplan@steffeninc.com>
To: "Chris Rose" <kb8uih@arrl.net>; "TAPR APRS Special Interest Group"
<aprssig@lists.tapr.org>
Sent: Sunday, October 13, 2002 12:32 PM
Subject: Re: [aprssig] RE: Amber alert suggestions

> Amber is not a color. It is named after a girl Amber that was kidnapped,
> raped and murdered.
>
> Dave

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221. [aprssig] Joint ISS/PCsat test

From: Bob Bruninga <bruninga@usna.edu>
Date: Sun, 13 Oct 2002 20:38:46 -0400 (EDT)
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-102642-2002.10.13-20.21.22--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

More on the joint ISS/PCsat joint test:

Although the fun part of the joint ISS/PCsat test was the attempt to demonstrate dual satellite constellation opportunities for double hops, the more subtle advantage that many people may have overlooked is the double access times.

On Friday evening when ISS first came onto 145.825 and while it was 180 degrees out of phase with PCsat, those people sitting on 145.825 were greeted with almost 10 hours straight of almost 14 satellite passes averaging every 45 minutes or so. It was a busy night. Seems like I couldnt get anything much done, because there was always another pass just coming up, or just having ended.

Thus with only 2 satellites flying in constellation on the same frequency with the same generic UI digipeating mission, we were getting a sample of what I hope to show as the future of UI digipeating in space. That is, if we can get some of those contemplating the construction of a LEO satelltie to include a UI digiepater on 145.825, then we would have an amateur radio satellite system capable of on average providing communications support to mobiles and handheld operators anywhere on the planet at least once every 15 minutes or so around the clock.

Although this joint-generic access portion of this test, was one of the fundamental objectives when we first proposed it back in January 2002, that aspect was significantly compromised when PCsat began operating in negative power budget and in the later months could no longer remember its settings and so we could not get ISS and PCsat to use the SAME generic "WIDE" alias. Thus each user did have to change his UNPROTO path between satellties.

But imagine if they were both "WIDE", then the 10 hours of more than 14 combined passes in one evening of keyboard QSO's independent of whichever satellite was actually in view should have been quite impressive.

de WB4APR@amsat.org, Bob

PCsat WEB page   http://www.ew.usna.edu/~bruninga/pcsat.html
ISS-APRS FAQ: http://www.ew.usna.edu/~bruninga/iss-faq.html

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222. [aprssig] re: AGWPE

From: Ralph Milnes <milnes1@rcn.com>
Date: Mon, 14 Oct 2002 09:43:00 -0400

To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: Robbie <mwrobertson@attbi.com>
Message-ID: <LYR842-102698-2002.10.14-09.25.35--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Robbie asked:

>Can someone please describe changing unproto paths using Winaprs
>and AGWPE? I have them working together, and when going to
>Settings/TNC and change my path, it stays the same, WIDE,WIDE and
>I don't think that works on HF

You need to edit (with Notepad, for example) the appropriate *.prt file in
the PORTS folder under the main WinAPRS folder. For example, my AGWPE port
file is named AGWPE_Local.prt (yours could be different).

In it is a line:

```
PATH    WIDE,WIDE
```

So change that line to the PATH of your choice, save the file, and restart
WinAPRS.

Note that the space after the word PATH is created by the TAB key, not the
space bar.

Ralph KC2RLM

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223. [aprssig] re: AGWPE

From: Robbie <mwrobertson@attbi.com>
Date: Mon, 14 Oct 2002 08:58:59 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: TAPR APRS Special Interest Group <aprssig@lists.tapr.org>
Message-ID: <LYR842-102711-2002.10.14-09.41.14--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Thanks Ralph,

I did it and all is well... :-)

Robbie, wa9inf

Ralph Milnes wrote:

>
> Robbie asked:
>
> >Can someone please describe changing unproto paths using Winaprs
> >and AGWPE? I have them working together, and when going to
> >Settings/TNC and change my path, it stays the same, WIDE,WIDE and
> >I don't think that works on HF
>
> You need to edit (with Notepad, for example) the appropriate *.prt file in
> the PORTS folder under the main WinAPRS folder. For example, my AGWPE port
> file is named AGWPE_Local.prt (yours could be different).
>
> In it is a line:
>
> PATH   WIDE,WIDE
>
> So change that line to the PATH of your choice, save the file, and restart
> WinAPRS.
>
> Note that the space after the word PATH is created by the TAB key, not the
> space bar.
>
> Ralph KC2RLM
>
> ---
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> To unsubscribe send a blank email to leave-aprssig-842K@lists.tapr.org
> Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

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224. [aprssig] re: AGWPE

From: Alex <kr1st@amsat.org>
Date: Mon, 14 Oct 2002 10:04:30 -0400
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: TAPR APRS Special Interest Group <aprssig@lists.tapr.org>,
    Robbie <mwrobertson@attbi.com>
Message-ID: <LYR842-102712-2002.10.14-09.45.54--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Is it possible with the latest version of WinAPRS to use longer paths
than the 16 character limit? I remember that in the past I could never
enter a path of two 2x3 callsigns with SSIDs.

Thanks and 73,
--Alex KR1ST

http://www.kr1st.com

Ralph Milnes wrote:
>
> Robbie asked:
>
> >Can someone please describe changing unproto paths using Winaprs
> >and AGWPE? I have them working together, and when going to
> >Settings/TNC and change my path, it stays the same, WIDE,WIDE and
> >I don't think that works on HF
>
> You need to edit (with Notepad, for example) the appropriate *.prt file in
> the PORTS folder under the main WinAPRS folder. For example, my AGWPE port
> file is named AGWPE_Local.prt (yours could be different).
>
> In it is a line:
>
> PATH   WIDE,WIDE
>
> So change that line to the PATH of your choice, save the file, and restart
> WinAPRS.
>
> Note that the space after the word PATH is created by the TAB key, not the
> space bar.
>
> Ralph KC2RLM
>
> ---
> You are currently subscribed to aprssig as: kr1st@amsat.org
> To unsubscribe send a blank email to leave-aprssig-842K@lists.tapr.org
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225. [aprssig] re: AGWPE

From: Ralph Milnes <milnes1@rcn.com>
Date: Mon, 14 Oct 2002 10:08:00 -0400
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: TAPR APRS Special Interest Group <aprssig@lists.tapr.org>
Message-ID: <LYR842-102714-2002.10.14-09.50.37--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Alex wrote:
>Is it possible with the latest version of WinAPRS to use longer paths
>than the 16 character limit? I remember that in the past I could never
>enter a path of two 2x3 callsigns with SSIDs.

As far as I know, that limit wasn't changed in 2.6.1.

Perhaps someone running 2.6.1 could verify that. I haven't upgraded yet.

Ralph KC2RLM

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226. [aprssig] Re: [amsat-bb] 2 x Soundcards in PC

From: Bob Bruninga <bruninga@usna.edu>
Date: Mon, 14 Oct 2002 12:39:44 -0400 (EDT)
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: amsat-bb@AMSAT.Org
Message-ID: <LYR842-102724-2002.10.14-12.22.18--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Concerning how to do two soundcards in one PC,

Dont forget that with just 8 resistors feeding an audio amp, on the LPT1
Parallel port of ANY ole' pc, you can get 8 bit fidelity by sending 8bit
WAV files out the LPT1 port.

I use this for generating speech for simple dos programs. The following
BASIC program will send out an 8bit mono WAVE file is only 8 lines:

```
-------------------------------------------------------------
 N=2                       'adjust N for the speed of your PC.
                           'N =2 works for my 25 MHz laptop
 OPEN "xxx.wav" FOR INPUT AS #1
 DO UNTIL EOF(1)
    A$=INPUT$(1,1)
    OUT 888, ASC(A$)
    FOR J = 1 to N: NEXT
 LOOP                     'actually it should not start outputting data
 CLOSE                    'until the 60th byte, but out of 8000 bytes a
 END                      'second, the added code is not worth destroying
                          'the simplicity of this example.
-------------------------------------------------------------------
```

No this will not meet the original posters needs, but if you only need
a second card for OUTPUT only, then this might help...

I use this with my APRStt TOUCH-TONE system so that APRStt can speak back
to the DTMF user with an HT, any APRS data he needs to know.

See http://www.ew.usna.edu/~bruninga/aprstt.html

de WB4APR@amsat.org, Bob

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227. [aprssig] Alaska and Pacific Northwest ISS/PCsat

From: Bob Bruninga <bruninga@usna.edu>
Date: Mon, 14 Oct 2002 13:02:10 -0400 (EDT)
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-102725-2002.10.14-12.44.43--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

This evening is a great opportunity for hams in Alaska and the Pcacific
Northwest to do a double-hop (or triple hop test) between ISS and PCsat
(if ISS is over on 145.825).

At about 0320z (is that 8 PM seatle time?) Iss will just come into view
over the pacific and PCsat will be just behind. A lucky Alaska or seattle
UI packet could use an RS0ISS,W3ADO-1,RS0ISS path and possibly make a
triple hop back to the sender.

This will work best right at the start of the pass before ISS hear's much
of the USA and before the QRM gets too much. Also PCsat will be in full
sun and fully charged.

There have been several of these oportunities over this weekend around the
world but I am not at our ground station, so I don't know if ISS is still
over on 145.825 for the test or not. I havent seen anything here on the
BB... other than the Saturday nith successes.

UPDATE YOUR KEPS. The ISS has done one of its reboosts and your
predictions may be a few miuntes off. (MINE ABOVE were using OLD keps, so

dont trust them. VERIFY.

de WB4APR@amsat.org, Bob

PCsat WEB page   http://www.ew.usna.edu/~bruninga/pcsat.html
ISS-APRS FAQ: http://www.ew.usna.edu/~bruninga/iss-faq.html

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Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

228. [aprssig] Re: Alaska and Pacific Northwest ISS/PCsat

From: Bill Herrmann <bherrman@spro.net>
Date: Mon, 14 Oct 2002 20:11:41 -0600
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-102797-2002.10.14-21.52.34--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

At 01:02 PM 10/14/02 -0400, Bob Bruninga wrote:
>This evening is a great opportunity for hams in Alaska and the Pcacific
>Northwest to do a double-hop (or triple hop test) between ISS and PCsat
>(if ISS is over on 145.825).

I can definitely confirm that ISS was on 145.825 when it went over Idaho
about 15 minutes ago.

Bill

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Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

229. [aprssig] Re: dual hop tests in other countries.

From: Bob Bruninga <bruninga@usna.edu>
Date: Mon, 14 Oct 2002 22:17:11 -0400 (EDT)
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: sarex@AMSAT.Org, <amsat-bb@AMSAT.Org>,
        TAPR APRS SIG <aprssig@lists.tapr.org>
Message-ID: <LYR842-102801-2002.10.14-21.59.54--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

On Mon, 14 Oct 2002, Claudio Ariotti, IK1SLD wrote:

> on http://www.issfanclub.com we have posted info about optimal time to
> try ISS<->PCSAT dual hop received from Bob Bruninga WB4APR. Latest new
> is about a good opportunity for Alaska and Pacific Northwest.

There are many,many more. I was only looking for USA opportunities.
Three are many opportunities every day over other countries. And coutries
far from Europe and USA will have better luck too.

People in other countries should look at all passes in their areas during
these windows. There are many, many opportunities in countries besides
USA and Europe... Run your tracking program to the OPENING time and then
let it fast forward until PCsat or ISS is in range of your station. That
is how to find opportunities.

```
Window Opens UTC    CLOSEST RNG  CLOSES DURATION
------------------  -----  ----  -----  --------

*** Reboost #2
Tue 15 Oct02 02:12  03:21   773  03:44  01:31
Tue 15 Oct02 20:42  21:02  1081  21:24  00:41
Tue 15 Oct02 21:27  21:50   866  22:10  00:42
Wed 16 Oct02 15:11  15:30   962  15:50  00:38
Wed 16 Oct02 15:58  16:18   974  16:37  00:38

*** Phasing burn
Thu 17 Oct02 09:41  09:59   831  10:17  00:36
Thu 17 Oct02 10:28  10:47  1036  11:04  00:36
Fri 18 Oct02 04:12  04:28  1472  04:46  00:33
Fri 18 Oct02 04:58  05:16   474  05:34  00:35
Fri 18 Oct02 05:48  06:04  1973  06:19  00:31
Fri 18 Oct02 23:29  23:46   572  00:03  00:33
```

```
Sat 19 Oct02 00:17  00:34  1313  00:49  00:32
Sat 19 Oct02 18:00  18:16  1138  18:32  00:31
Sat 19 Oct02 18:47  19:03   708  19:19  00:31
Sun 20 Oct02 12:31  12:45  1742  13:00  00:29
Sun 20 Oct02 13:18  13:33   399  13:48  00:30
Sun 20 Oct02 14:06  14:21  1640  14:35  00:29
Mon 21 Oct02 07:48  08:03   787  08:17  00:29
Mon 21 Oct02 08:36  08:50  1040  09:05  00:29
Tue 22 Oct02 02:18  02:32  1342  02:46  00:27

Window Opens UTC    CLOSEST RNG  CLOSES DURATION
------------------  -----  ----  -----  --------
Tue 22 Oct02 03:05  03:20   528  03:34  00:28
Tue 22 Oct02 20:49  21:01  1902  21:15  00:25
Tue 22 Oct02 21:35  21:49   463  22:04  00:28
Tue 22 Oct02 22:24  22:37  1423  22:51  00:26
Wed 23 Oct02 16:06  16:19   904  16:32  00:26
Wed 23 Oct02 16:53  17:07   878  17:20  00:26
Thu 24 Oct02 10:36  10:48  1419  11:01  00:25
Thu 24 Oct02 11:23  11:36   452  11:49  00:26
Thu 24 Oct02 12:12  12:24  1856  12:36  00:24
Fri 25 Oct02 05:06  05:18  1930  05:30  00:23
Fri 25 Oct02 05:53  06:06   509  06:18  00:25
Fri 25 Oct02 06:41  06:54  1324  07:06  00:24
Sat 26 Oct02 00:23  00:35   933  00:47  00:24
Sat 26 Oct02 01:11  01:23   831  01:35  00:24
Sat 26 Oct02 18:53  19:04  1404  19:16  00:23

Sat 26 Oct02 19:40  19:52   451  20:05  00:24
Sat 26 Oct02 20:29  20:40  1803  20:52  00:22
Sun 27 Oct02 13:23  13:34  1870  13:45  00:22
Sun 27 Oct02 14:10  14:22   485  14:34  00:23
Sun 27 Oct02 14:58  15:10  1315  15:21  00:23
```

The digipeater aliases for ISS are RS0ISS, ARISS, and WIDE
For PCsat the only reliable one is W3ADO-1

de WB4APR@amsat.org, Bob

PCsat WEB page   http://www.ew.usna.edu/~bruninga/pcsat.html
ISS-APRS FAQ: http://www.ew.usna.edu/~bruninga/iss-faq.html

You are currently subscribed to aprssig as: lyris.aprssig@tapr.org
To unsubscribe send a blank email to leave-aprssig-842K@lists.tapr.org
Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

230. [aprssig] ISS frequency

From: bob evinger <wd9eka@evinger.com>
Date: Mon, 14 Oct 2002 21:58:50 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-102807-2002.10.14-22.40.22--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

I havent logged much any activity on my ISS radio for several days. How long will ISS be off of the standard frequency. Do I need to move my radio?

This is not an easy task, it is one of those lovely kenwood tm241a's with the lousy display engineering. (I have 2 of them) both with dead display's and any time I have to move the frequency I have to get a frequency counter out and play around for 10 minutes sometimes getting a new frequency set.

bob

--
Bob Evinger   WD9EKA/AAR5MG(Army MARS operator)
If Guns Cause Crime, Then Matches Cause Arson.

You are currently subscribed to aprssig as: lyris.aprssig@tapr.org
To unsubscribe send a blank email to leave-aprssig-842K@lists.tapr.org
Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

231. [aprssig] Need Tucson IGate (KV4OA) POC

From: Greg Noneman <greg@clubnet.net>
Date: Mon, 14 Oct 2002 20:38:25 -0700
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-102811-2002.10.14-23.20.54--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

I am looking for a point of contact for the Tucson IGate (KV4OA). I have tried contacting the listed sysop (N7CK), but have not received a response. The IGate is no longer properly configured for two-way data exchange with the core servers. Would someone affiliated with this IGate please contact me directly.

Thanks,

Greg
WB6ZSU
second.aprs.net

You are currently subscribed to aprssig as: lyris.aprssig@tapr.org
To unsubscribe send a blank email to leave-aprssig-842K@lists.tapr.org
Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

---

232. [aprssig] Adding a SAT port to a hill top DIGI

From: "Andrew Rich" <andrew.rich@bigpond.com>
Date: Tue, 15 Oct 2002 17:35:13 +1000
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: <amsat-bb@AMSAT.Org>
Message-ID: <LYR842-102829-2002.10.15-03.17.48--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Howdy,

We have a digipeater on 145.175 MHz. (fixed for mobile traffic)

What would be the easiest way to add recieve capability for 145.825 and 145.800 ?

1. Double jumper the audio and hope they never clash
2. Isolate 145.175 Mhz audio when a sat comes up
3. Run a seperate TNC and have RS232 sharing
4. Use the DCD to stop rs232 clashes ?
5. buffer rs232 and insert data between tnc's ?

What is common about iss and pcsat ? is it "SATGATE" ?

Thoughts ?

You are currently subscribed to aprssig as: lyris.aprssig@tapr.org
To unsubscribe send a blank email to leave-aprssig-842K@lists.tapr.org
Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

---

233. [aprssig] Re: Adding a SAT port to a hill top DIGI

From: "wes johnston" <wes@johnston.net>
Date: Tue, 15 Oct 2002 08:07:37 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: <aprssig@tapr.org>
Message-ID: <LYR842-102844-2002.10.15-07.50.41--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Use a basic stamp to assert CTS on two TNCs.... When RTS goes high on one of them, unassert it's CTS line, and monitor for a lapse in activity on the TX data line (pulse in, right? no need for serial in). When the TX serial line has been dormant for say, 1 second, assume the packet is finished and reassert the CTS line. You could multiplex many many TNCs like this... and could use a basic stamp 1, because you don't have to read the actual serial data... just the logic level of the data line.

Wes

----- Original Message -----
From: "Andrew Rich" <andrew.rich@bigpond.com>
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: <amsat-bb@AMSAT.Org>
Sent: Tuesday, October 15, 2002 2:35 AM
Subject: [aprssig] Adding a SAT port to a hill top DIGI

> Howdy,
>
> We have a digipeater on 145.175 MHz. (fixed for mobile traffic)
>
> What would be the easiest way to add recieve capability for 145.825 and
145.800 ?
>
> 1. Double jumper the audio and hope they never clash
> 2. Isolate 145.175 Mhz audio when a sat comes up
> 3. Run a seperate TNC and have RS232 sharing
> 4. Use the DCD to stop rs232 clashes ?
> 5. buffer rs232 and insert data between tnc's ?
>
> What is common about iss and pcsat ? is it "SATGATE" ?
>
> Thoughts ?
>
>
>
> ---
> You are currently subscribed to aprssig as: kd4rdb@netzero.com
> To unsubscribe send a blank email to leave-aprssig-842K@lists.tapr.org
> Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org
>
>
>

You are currently subscribed to aprssig as: lyris.aprssig@tapr.org
To unsubscribe send a blank email to leave-aprssig-842K@lists.tapr.org
Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

234. [aprssig] Re: ISS frequency

From: Bob Bruninga <bruninga@usna.edu>
Date: Tue, 15 Oct 2002 08:28:41 -0400 (EDT)
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: TAPR APRS Special Interest Group <aprssig@lists.tapr.org>
Message-ID: <LYR842-102846-2002.10.15-08.11.21--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

On Mon, 14 Oct 2002, bob evinger wrote:

> I havent logged much any activity on my ISS radio for several days. How
> long will ISS be off of the standard frequency. Do I need to move my radio?
>
> This is not an easy task, it is one of those lovely kenwood tm241a's
> with the lousy display engineering. (I have 2 of them) both with dead
> display's and any time I have to move the frequency I have to get a
> frequency counter out and play around for 10 minutes sometimes getting a
> new frequency set.

It was only to last a week. WIll be over real soon now...

bob
>
>   bob
>
> --
> Bob Evinger   WD9EKA/AAR5MG(Army MARS operator)
> If Guns Cause Crime, Then Matches Cause Arson.
>
>
> ---
> You are currently subscribed to aprssig as: bruninga@usna.edu
> To unsubscribe send a blank email to leave-aprssig-842K@lists.tapr.org
> Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org
>

de WB4APR@amsat.org, Bob

PCsat WEB page   http://www.ew.usna.edu/~bruninga/pcsat.html
ISS-APRS FAQ: http://www.ew.usna.edu/~bruninga/iss-faq.html
CUBESAT Designs   http://www.ew.usna.edu/~bruninga/cubesat.html
APRS LIVE pages   http://www.ew.usna.edu/~bruninga/aprs.html
APRS SATELLITES   http://www.ew.usna.edu/~bruninga/astars.html
MIM/Mic-E/Mic-Lite http://www.toad.net/~wclement/bruninga/mic-lite.html

```
---
You are currently subscribed to aprssig as: lyris.aprssig@tapr.org
To unsubscribe send a blank email to leave-aprssig-842K@lists.tapr.org
Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org
```

235. [aprssig] Re: Adding a SAT port to a hill top DIGI

```
From: Bob Bruninga <bruninga@usna.edu>
Date: Tue, 15 Oct 2002 08:34:01 -0400 (EDT)
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: TAPR APRS Special Interest Group <aprssig@lists.tapr.org>,
       <amsat-bb@AMSAT.Org>
Message-ID: <LYR842-102847-2002.10.15-08.16.45--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain
```

```
On Tue, 15 Oct 2002, Andrew Rich wrote:

> We have a digipeater on 145.175 MHz. (fixed for mobile traffic)
>
> What would be the easiest way to add recieve capability for 145.825 and 145.800 ?

Why?  Every mobile will hear the satelltie sig just as well if not better
than the digi (They have less  coax loss).  But I guess you want it so
that they dont even need to know when it is in view...  good idea...

> > 1. Double jumper the audio and hope they never clash

Depends on how busy is your 145.175 network.

> 2. Isolate 145.175 Mhz audio when a sat comes up
> 3. Run a seperate TNC and have RS232 sharing

This works great.  Set both TNC terminal rates to 9600 baud or higher to
mimnimize collisions.

> What is common about iss and pcsat ? is it "SATGATE" ?

Nothing.  PCsat supports ARISS when it can remember its settings, but it
cant..

bob

>
> Thoughts ?
>
>

de WB4APR@amsat.org, Bob

PCsat WEB  page     http://www.ew.usna.edu/~bruninga/pcsat.html
ISS-APRS FAQ:       http://www.ew.usna.edu/~bruninga/iss-faq.html
CUBESAT Designs     http://www.ew.usna.edu/~bruninga/cubesat.html
APRS LIVE pages     http://www.ew.usna.edu/~bruninga/aprs.html
APRS SATELLITES     http://www.ew.usna.edu/~bruninga/astars.html
MIM/Mic-E/Mic-Lite  http://www.toad.net/~wclement/bruninga/mic-lite.html


---
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To unsubscribe send a blank email to leave-aprssig-842K@lists.tapr.org
Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org
```

236. [aprssig] RE: Amber alert suggestions

```
From: "Ronald Reams" <wa4mjf@worldnet.att.net>
Date: Tue, 15 Oct 2002 10:10:46 -0400
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: "APRS Sig" <aprssig@lists.tapr.org>
Message-ID: <LYR842-102865-2002.10.15-09.53.28--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain
```

```
Well, if you callin' bein' precise picky, then I'm guilty!

However, the receipiant was happy to hear that it was
not a colour code, but a name.

If you don't have anything constructive to say,
then don't say it, Doug!

Just gives me the impression that you're
```

a Sen Byrd wanna be..."pity, pity, pity" :-)
(don't forget to slowly shake your finger)

----- Original Message -----
From: "Doug Younker" <dougy@ruraltel.net>
To: "Ronald Reams" <wa4mjf@worldnet.att.net>
Sent: Monday, October 14, 2002 16:15
Subject: Re: [aprssig] RE: Amber alert suggestions

----- Original Message -----
From: "Ronald Reams" <wa4mjf@worldnet.att.net>

: Errr, Chris, it isn't a colour, it is the first name of the
: little girl in TX that got the system started.
:
: Well, actually, she did not start it 'cause she is dead,
: but it was named after her.
:
: 73 de Ronnie
:

Picky, picky, picky, shees :)
73
Doug, N0LKK
dougy@ruraltel.net

You are currently subscribed to aprssig as: lyris.aprssig@tapr.org
To unsubscribe send a blank email to leave-aprssig-842K@lists.tapr.org
Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

---

237. [aprssig] RE: Amber alert suggestions

From: "Ronald Reams" <wa4mjf@worldnet.att.net>
Date: Tue, 15 Oct 2002 10:28:53 -0400
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: "APRS Sig" <aprssig@lists.tapr.org>
Message-ID: <LYR842-102868-2002.10.15-10.11.31--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Well, yes, it was, Eric...

Besides that, Doug got a response befittin' his reply to
me.   I was gently tellin' him that I did not
appreciate it.

This is a reflector and if messageds don't go to
the reflector, the other members miss stuff.
I'm a firm believer in that!

73 de Ronnie

----- Original Message -----
From: "ERIC CHRISTENSEN" <christensene@mebtel.net>
To: "Ronald Reams" <wa4mjf@worldnet.att.net>
Sent: Tuesday, October 15, 2002 11:23
Subject: Re: [aprssig] RE: Amber alert suggestions

And was that a constructive email, Ron? I don't think so... And it
definately shouldn't have gone to the SIG... The original comment
wasn't even addressed to the SIG.

73s,
Eric KF4OTN

----- Original Message -----
From: "Ronald Reams" <wa4mjf@worldnet.att.net>
Date: Tuesday, October 15, 2002 10:10 am
Subject: [aprssig] RE: Amber alert suggestions

> Well, if you callin' bein' precise picky, then I'm guilty!

```
>
> However, the receipiant was happy to hear that it was
> not a colour code, but a name.
>
> If you don't have anything constructive to say,
> then don't say it, Doug!
>
> Just gives me the impression that you're
> a Sen Byrd wanna be..."pity, pity, pity"  :-)
> (don't forget to slowly shake your finger)


---
You are currently subscribed to aprssig as: lyris.aprssig@tapr.org
To unsubscribe send a blank email to leave-aprssig-842K@lists.tapr.org
Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org
```

238. [aprssig] RE: Amber alert suggestions

From: "Ronald Reams" <wa4mjf@worldnet.att.net>
Date: Tue, 15 Oct 2002 10:30:21 -0400
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: "APRS Sig" <aprssig@lists.tapr.org>
Message-ID: <LYR842-102869-2002.10.15-10.13.10--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

```
PS: I forgot to say that Doug's EMail concerned a SIG postin'


----- Original Message -----
From: "Ronald Reams" <wa4mjf@worldnet.att.net>
To: "ERIC CHRISTENSEN" <christensene@mebtel.net>
Cc: "APRS Sig" <aprssig@lists.tapr.org>
Sent: Tuesday, October 15, 2002 10:28
Subject: Re: [aprssig] RE: Amber alert suggestions


Well, yes, it was, Eric...

Besides that, Doug got a response befittin' his reply to
me.   I was gently tellin' him that I did not
appreciate it.

This is a reflector and if messageds don't go to
the reflector, the other members miss stuff.
I'm a firm believer in that!

73 de Ronnie


----- Original Message -----
From: "ERIC CHRISTENSEN" <christensene@mebtel.net>
To: "Ronald Reams" <wa4mjf@worldnet.att.net>
Sent: Tuesday, October 15, 2002 11:23
Subject: Re: [aprssig] RE: Amber alert suggestions


And was that a constructive email, Ron?  I don't think so...  And it
definately shouldn't have gone to the SIG...  The original comment
wasn't even addressed to the SIG.

73s,
Eric KF4OTN

----- Original Message -----
From: "Ronald Reams" <wa4mjf@worldnet.att.net>
Date: Tuesday, October 15, 2002 10:10 am
Subject: [aprssig] RE: Amber alert suggestions

> Well, if you callin' bein' precise picky, then I'm guilty!
>
> However, the receipiant was happy to hear that it was
> not a colour code, but a name.
>
> If you don't have anything constructive to say,
> then don't say it, Doug!
>
> Just gives me the impression that you're
> a Sen Byrd wanna be..."pity, pity, pity"  :-)
> (don't forget to slowly shake your finger)
```

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To unsubscribe send a blank email to leave-aprssig-842K@lists.tapr.org
Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

239. [aprssig] Joint ISS/PCsat test picture

From: Bob Bruninga <bruninga@usna.edu>
Date: Tue, 15 Oct 2002 12:32:32 -0400 (EDT)
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-102885-2002.10.15-12.15.10--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

If anyone is interested, I just posted an APRStk screen shot of the joint
ISS/PCsat test pass on Saturday when 5 stations were successful with dual
hops. See the PCsat web page below.

It shows where the stations and Spacecraft were at the times of the
successful packets. It also shows everyone else that we saw during that
pass.

de WB4APR@amsat.org, Bob

PCsat WEB page http://www.ew.usna.edu/~bruninga/pcsat.html
ISS-APRS FAQ: http://www.ew.usna.edu/~bruninga/iss-faq.html

You are currently subscribed to aprssig as: lyris.aprssig@tapr.org
To unsubscribe send a blank email to leave-aprssig-842K@lists.tapr.org
Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

240. [aprssig] RE: Amber alert suggestions

From: "Ronald Reams" <wa4mjf@worldnet.att.net>
Date: Tue, 15 Oct 2002 14:19:08 -0400
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: "APRS Sig" <aprssig@lists.tapr.org>
Message-ID: <LYR842-102890-2002.10.15-14.01.51--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Well, it does help see what's goin' on behind the scenes, Wes.

Gives us a better idea of the quality of folks on the reflector.

73 de Ronnie

----- Original Message -----
From: "wes johnston" <wes@johnston.net>
To: "Ronald Reams" <wa4mjf@worldnet.att.net>
Sent: Tuesday, October 15, 2002 11:37
Subject: Re: [aprssig] RE: Amber alert suggestions

Some of us others consider personality issues off topic and tune them
out.... or better yet, we'd just rather not see them.
Wes

You are currently subscribed to aprssig as: lyris.aprssig@tapr.org
To unsubscribe send a blank email to leave-aprssig-842K@lists.tapr.org
Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

241. [aprssig] Transmitting satellite data

From: "Dave Schwartz" <va3dgs@rac.ca>
Date: Tue, 15 Oct 2002 14:21:8
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-102896-2002.10.15-15.03.48--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

I've had a request to post satellite data over our club's local APRS digi.
However, the digi (VE3KSR) is simply a KPC3+ and weather station in a
fairly difficult to access location (for me anyway - 30km away on top of a
broadcast transmitter hill, and I don't have the keys).

However, I also run a local aprsd gateway to reliably get my WX packets to a web page via a DSL link. Is there any Linux-based software that will keep up-to-date with satellite keps over the net and localize them so I can send them to the digi for a one-hop beacon?

If there is nothing off-the-shelf, I would consider writing something myself if someone would give me pointers to the kep-localization algorithm I would need and the format I would need to send to my aprsd server.

---
You are currently subscribed to aprssig as: lyris.aprssig@tapr.org
To unsubscribe send a blank email to leave-aprssig-842K@lists.tapr.org
Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

242. [aprssig] Re: Adding a SAT port to a hill top DIGI

From: "Andrew Rich" <andrew.rich@bigpond.com>
Date: Wed, 16 Oct 2002 05:57:42 +1000
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: <aprssig@tapr.org>
Message-ID: <LYR842-102905-2002.10.15-15.41.35--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Cool, thanks I am 100 % with pics ...good idea !

-----Original Message-----
From: bounce-aprssig-30130@lists.tapr.org
[mailto:bounce-aprssig-30130@lists.tapr.org]On Behalf Of wes johnston
Sent: Tuesday, 15 October 2002 23:08
To: TAPR APRS Special Interest Group
Cc: aprssig@tapr.org
Subject: [aprssig] Re: Adding a SAT port to a hill top DIGI

Use a basic stamp to assert CTS on two TNCs.... When RTS goes high on one of them, unassert it's CTS line, and monitor for a lapse in activity on the TX data line (pulse in, right? no need for serial in). When the TX serial line has been dormant for say, 1 second, assume the packet is finished and reassert the CTS line. You could multiplex many many TNCs like this... and could use a basic stamp 1, because you don't have to read the actual serial data... just the logic level of the data line.

Wes

----- Original Message -----
From: "Andrew Rich" <andrew.rich@bigpond.com>
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: <amsat-bb@AMSAT.Org>
Sent: Tuesday, October 15, 2002 2:35 AM
Subject: [aprssig] Adding a SAT port to a hill top DIGI

> Howdy,
>
> We have a digipeater on 145.175 MHz. (fixed for mobile traffic)
>
> What would be the easiest way to add recieve capability for 145.825 and
145.800 ?
>
> 1. Double jumper the audio and hope they never clash
> 2. Isolate 145.175 Mhz audio when a sat comes up
> 3. Run a seperate TNC and have RS232 sharing
> 4. Use the DCD to stop rs232 clashes ?
> 5. buffer rs232 and insert data between tnc's ?
>
> What is common about iss and pcsat ? is it "SATGATE" ?
>
> Thoughts ?
>
>
>
> ---
> You are currently subscribed to aprssig as: kd4rdb@netzero.com
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> Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org
>
>
>

You are currently subscribed to aprssig as: andrew.rich@bigpond.com
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---
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Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

243. [aprssig] Re: Transmitting satellite data

From: "Curt Mills, WE7U" <hacker@tc.fluke.com>
Date: Tue, 15 Oct 2002 13:14:59 -0700 (PDT)
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: TAPR APRS Special Interest Group <aprssig@lists.tapr.org>
Message-ID: <LYR842-102910-2002.10.15-15.57.29--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

On Tue, 15 Oct 2002, Dave Schwartz wrote:

> I've had a request to post satellite data over our club's local APRS digi.
> However, the digi (VE3KSR) is simply a KPC3+ and weather station in a
> fairly difficult to access location (for me anyway - 30km away on top of a
> broadcast transmitter hill, and I don't have the keys).
>
> However, I also run a local aprsd gateway to reliably get my WX packets to
> a web page via a DSL link. Is there any Linux-based software that will keep
> up-to-date with satellite keps over the net and localize them so I can send
> them to the digi for a one-hop beacon?

Are you wanting to transmit current satellite positions, or the keplerian data so that others can compute the positions themselves?

If you just want to send the kepler data for a few sats, you can probably write something quickly using shell scripts or Perl that uses "wget" to go snag the latest keps from some ftp or http site, then parse through that to get the lines you want. I'm not sure if there's an APRS message format that would handle the keps, in particular the length of the data.

If you want to send satellite positions There are several Linux programs that can predict positions. Predict is one.

    http://www.qsl.net/kd2bd/predict.html

There are others. Perhaps you could snag the base code that does the predictions and use it directly without the GUI portion in order to get the text data you need.

Try these places also for other satellite programs:

    http://radio.linux.org.au/
    http://freshmeat.net/
    http://sourceforge.net

--
Curt Mills, WE7U   hacker_NO_SPAM_@tc.fluke.com
Senior Methods Engineer/SysAdmin
"Lotto: A tax on people who are bad at math!"
"Windows: Microsoft's tax on computer illiterates!" -- WE7U
"The world DOES revolve around me: I picked the coordinate system!"

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To unsubscribe send a blank email to leave-aprssig-842K@lists.tapr.org
Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

244. [aprssig] Re: Transmitting satellite data

From: Bob Bruninga <bruninga@usna.edu>
Date: Tue, 15 Oct 2002 16:38:26 -0400 (EDT)
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: TAPR APRS Special Interest Group <aprssig@lists.tapr.org>
Message-ID: <LYR842-102912-2002.10.15-16.21.03--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

```
On Tue, 15 Oct 2002, Curt Mills, WE7U wrote:

>
> If you just want to send the kepler data for a few sats, you can
> probably write something quickly using shell scripts or Perl that
> uses "wget" to go snag the latest keps from some ftp or http site,
> then parse through that to get the lines you want.  I'm not sure if
> there's an APRS message format that would handle the keps, in
> particular the length of the data.

My APRStk sends and receives NASA one-line keps over the air in a single
packet to update everyone on frequency.  I invented one of the
experimental formats for it as shown below:

HEADER  AUTHOR   DESCRIPTION
------  -------- ----------------------------------------------------
 {Fnn   WB4APR   nn is a 2 byte descriptor of MITEL GPS data formats
 {K1    WB4APR   "K" for Keps and "1" for NASA One line.
 {K2n   WB4APR   For NASA two line elements. "n" is line 1 or 2.

Though I see little value for it on an already overcrowded APRS system
where everyone has access to the internet.  I only proposed the system for
if we ever get to the point of mobile rigs having to do their own
satellite predictions...  for routine ops (not mobiles) I see no need for
keps over the air...

just a thought...

de WB4APR@amsat.org, Bob

PCsat WEB  page     http://www.ew.usna.edu/~bruninga/pcsat.html


---
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```

245. [aprssig] Re: [Ronald Reams] RE: Amber alert suggestions

From: "Gregg G. Wonderly" <gregg@skymaster.cytetech.com>
Date: Tue, 15 Oct 2002 16:05:46 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: TAPR APRS Special Interest Group <aprssig@lists.tapr.org>
Message-ID: <LYR842-102917-2002.10.15-16.48.19--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

```
>Well, it does help see what's goin' on behind the scenes, Wes.
>
>Gives us a better idea of the quality of folks on the reflector.

I believe that this kind of petty bicking over typed words and hurried
responses only serves to provide a way for Type-A personalities to assert
their supperiority over others by picking and picking until the other party
stops responding.  I bet that this email won't be the last on this topic, as I
can sense that folks are still not convinced that they've won a prize worth
stopping for...

-----
gregg@cytetech.com  (Cyte Technologies Inc)



---
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To unsubscribe send a blank email to leave-aprssig-842K@lists.tapr.org
Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org
```

246. [aprssig] Re: Ronald Reams

From: "Ronald Reams" <wa4mjf@worldnet.att.net>
Date: Tue, 15 Oct 2002 17:12:20 -0400
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-102918-2002.10.15-16.55.02--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

```
Well, I thought it was through, Gregg.

I'm just a firm believer in a reflector goin' to everyone.

Our moderator tried to fix that a while back and
```

was hounded into changin' so it doesn't.

Some will agree with me and some shan't. Others
like Wes have a machts nichts view.
All the same to me.

73 de Ronnie

----- Original Message -----
From: "Gregg G. Wonderly" <gregg@skymaster.cytetech.com>
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Sent: Tuesday, October 15, 2002 17:05
Subject: [aprssig] Re: [Ronald Reams] RE: Amber alert suggestions

>Well, it does help see what's goin' on behind the scenes, Wes.
>
>Gives us a better idea of the quality of folks on the reflector.

I believe that this kind of petty bicking over typed words and hurried
responses only serves to provide a way for Type-A personalities to assert
their supperiority over others by picking and picking until the other party
stops responding. I bet that this email won't be the last on this topic, as
I
can sense that folks are still not convinced that they've won a prize worth
stopping for...

-----
gregg@cytetech.com (Cyte Technologies Inc)

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Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

247. [aprssig] Re: Ronald Reams

From: "Ronald Reams" <wa4mjf@worldnet.att.net>
Date: Tue, 15 Oct 2002 17:15:42 -0400
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-102919-2002.10.15-16.58.38--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

BTW, Gregg, not sure what a Type A person is,
but if it some one who in politically incorrect and calls
a spade, a spade, that's me!

73 de Ronnie

----- Original Message -----
From: "Gregg G. Wonderly" <gregg@skymaster.cytetech.com>
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Sent: Tuesday, October 15, 2002 17:05
Subject: [aprssig] Re: [Ronald Reams] RE: Amber alert suggestions

>Well, it does help see what's goin' on behind the scenes, Wes.
>
>Gives us a better idea of the quality of folks on the reflector.

I believe that this kind of petty bicking over typed words and hurried
responses only serves to provide a way for Type-A personalities to assert
their supperiority over others by picking and picking until the other party
stops responding. I bet that this email won't be the last on this topic, as
I
can sense that folks are still not convinced that they've won a prize worth
stopping for...

-----
gregg@cytetech.com (Cyte Technologies Inc)

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248. [aprssig] W-NY, So.Ont Listening Help Wanted

From: "Ev Tupis (W2EV)" <w2ev@arrl.net>
Date: Tue, 15 Oct 2002 21:50:23 -0400
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-102945-2002.10.15-21.34.27--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

The W2AAA-1 digipeater has been taken out of APRS service and QSY'd to the BEACONet.25 frequency of 147.585 MHz FM. I am interested in reception reports on this quiet frequency.

Tune 147.585 and park for a while. It will ID every 10 minutes. Please note it's strength at your location (hopefully identified by 6-character grid square), and type of equipment you have.

This weekend, I hope to move it to it's new location (much higher, but possibly tucked into a "mountain cove"). I'd like to run the tests again then (I'll let you know when it happens so a good comparison can be run).

Please send reports direct to me.

Thank you sincerely for your help.

Regards,
Ev Tupis, W2EV

ps...yes, I know how non-scientific this is...but I won't lose sleep over it if you don't. :o))

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249. [aprssig] Locations for APW251 & APW247?

From: "Al" <nazdaq@sympatico.ca>
Date: Tue, 15 Oct 2002 23:23:35 -0400
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-102978-2002.10.15-23.05.40--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

```
C6AGH>APW251,ECHO*,GATE,WIDE:_10160306c175s011g014t080r000p000P000h00b10076w
U2K

PJ6DM-1>APW247,ECHO*,GATE,WIDE:<520>
```

Is there an APRS directory to check on locations? Thanks, Al, Ottawa.

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250. [aprssig] Re: Locations for APW251 & APW247?

From: Paul Womble <pwomble1@tampabay.rr.com>
Date: Tue, 15 Oct 2002 23:28:07 -0400
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-102979-2002.10.15-23.11.18--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

That is the version of WinAPRS each station is using.

Paul K4FB

Al wrote:

> C6AGH>APW251,ECHO*,GATE,WIDE:_10160306c175s011g014t080r000p000P000h00b10076w
> U2K
>
> PJ6DM-1>APW247,ECHO*,GATE,WIDE:<520>
>
> Is there an APRS directory to check on locations? Thanks, Al, Ottawa.
>

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Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

251. [aprssig] Re: Locations for APW251 & APW247?

From: "Al" <nazdaq@sympatico.ca>
Date: Tue, 15 Oct 2002 23:44:52 -0400
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-102981-2002.10.15-23.26.48--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Thanks Paul.

----- Original Message -----
From: "Paul Womble" <pwomble1@tampabay.rr.com>
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Sent: Tuesday, October 15, 2002 11:28 PM
Subject: [aprssig] Re: Locations for APW251 & APW247?

> That is the version of WinAPRS each station is using.
>
> Paul K4FB
>
> Al wrote:
>
> >
C6AGH>APW251,ECHO*,GATE,WIDE:_10160306c175s011g014t080r000p000P000h00b10076w
> > U2K
> >
> > PJ6DM-1>APW247,ECHO*,GATE,WIDE:<520>
> >
> > Is there an APRS directory to check on locations? Thanks, Al, Ottawa.
> >
>
>
> ---
> You are currently subscribed to aprssig as: nazdaq@sympatico.ca
> To unsubscribe send a blank email to leave-aprssig-842K@lists.tapr.org
> Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org
>
>

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252. [aprssig] RE: Joint ISS/PCsat

From: wa4ikq@nevets.oau.org (Geoffrey Dick)
Date: Wed, 16 Oct 2002 04:50:04 -0400 (EDT)
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-102998-2002.10.16-04.42.57--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Bob,

Something is wrong with the way messages are being passed now.
My APRSdos station here in Central Florida is logging PCSAT-11
messages without the originator's callsign:

Fm ALL:PCSAT: This Message sent to you via PCsat direct!

In the process of jumping around between satellites, clandestine
communications are being created.   'Will the real _____ please
stand up?'

Geoffrey Dick, wa4ikq
Winter Park, FL

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253. [aprssig] RE: Amber alert suggestion

From: "Bob D." <n2iph@comcast.net>
Date: Wed, 16 Oct 2002 05:38:59 -0400
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-102999-2002.10.16-05.21.42--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Well. I am glad to see my suggestion has sparked some discussion,
but I think some/part of my suggestion has been misinterpreted.

No mention of Amateurs making reports of sightings via packet or
APRS was made by me, the alert message is to notify those in the
field (that's everyone, everywhere)that an Amber Alert has been
issued and to go get the full story (alert message) from some
other source (internet, radio, TV, etc.). The full text nor
many details could be jammed into an APRS message, only enough
to let you know there is an alert in your area.

In my opinion only one agency/group/authority should be sending
such an alert out in a given area, not anyone who happens to see
or hear of an alert on the News or through some other means, this
would be chaos. I doubt the NWS has the time to format an APRS
message and send it out, this is an area that requires further
discussion. Some entity such as an Official Bulletin Station, a
State, Region, or County RACES RO, or ARES Section SEC may be a
good choice. Whoever has this duty (which might be rotated through
a number of individuals) would have to have the capability to issue
the message on APRS in a timely fashion.

Maybe re-using the NWS WX alerting zones as the alerting areas
would work for us. Don't know if the NWS uses this method to
target their passing of these messages or not, but sounds plausible.
Your WX radio is already programmed for your WX warning zone(s),
provided you have one of the newer WX radios. Using these same zone
areas for the APRS alert might work too, but overall for APRS I like
the grid sq. or ambiguous posit reporting method better. This is a
format that would/could be parsed to my GPS so I now would have a
waypoint appear on my GPS display (I am figuring I'm mobile for this
example) and could immediately ascertain my position relationship to
the alert area.

73...Bob, N2IPH
RACES Radio Officer &
ARES EC for Cumberland County, NJ

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254. [aprssig] RE: Amber alert suggestion

From: dale huguley <kg5qd@earthlink.net>
Date: 16 Oct 2002 06:52:11 -0400
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: "TAPR APRS Special Interest Group <aprssig@lists.tapr.org>
<LYR22291-102999-2002.10.16-05.21.42--kg5qd#earthlink.net@lists.tapr.org>"
<LYR22291-102999-2002.10.16-05.21.42--kg5qd#earthlink.net@lists.tapr.org>
Message-ID: <LYR842-103000-2002.10.16-06.43.39--lyris.aprssig#tapr.org@lists.tapr.org>

Rendered body type: text/plain

On Wed, 2002-10-16 at 05:38, Bob D. wrote:

> No mention of Amateurs making reports of sightings via packet or
> APRS was made by me, the alert message is to notify those in the
> field (that's everyone, everywhere)that an Amber Alert has been
> issued and to go get the full story (alert message) from some
> other source (internet, radio, TV, etc.). The full text nor
> many details could be jammed into an APRS message, only enough
> to let you know there is an alert in your area.

OK but those in the field do not have internet or TV necessarily - kind of defeats the purpose of sending an aprs message. I actually think an alert by aprs with details available via SMS messaging makes more sense.

> In my opinion only one agency/group/authority should be sending
> such an alert out in a given area, not anyone who happens to see
> or hear of an alert on the News or through some other means, this
> would be chaos. I doubt the NWS has the time to format an APRS
> message and send it out, this is an area that requires further
> discussion. Some entity such as an Official Bulletin Station, a
> State, Region, or County RACES RO, or ARES Section SEC may be a
> good choice. Whoever has this duty (which might be rotated through
> a number of individuals) would have to have the capability to issue
> the message on APRS in a timely fashion.

This is much better done automatically- setting up an entire structure for something that only happens twice a year is a waste of resources. I am already parsing enough information to know there is an alert in progress on a server that is up at least 99% of the time.

> Maybe re-using the NWS WX alerting zones as the alerting areas
> would work for us. Don't know if the NWS uses this method to
> target their passing of these messages or not, but sounds plausible.
> Your WX radio is already programmed for your WX warning zone(s),
> provided you have one of the newer WX radios. Using these same zone
> areas for the APRS alert might work too, but overall for APRS I like
> the grid sq. or ambiguous posit reporting method better. This is a
> format that would/could be parsed to my GPS so I now would have a
> waypoint appear on my GPS display (I am figuring I'm mobile for this
> example) and could immediately ascertain my position relationship to
> the alert area.

The alerts are sent by individual NWS offices- and should be i-gated only for those areas. If you are mobile and receive an alert, you know it is somewhat in your area and be on the lookout. (BOLO). On the WX radio- if you told it to react to CEM (Civil Emergency Message) you would hear it- but the NWS is going to change the code later to its own type, so it will be a few years before this is universal.

73 de kg5qd Dale

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---

255. [aprssig] RE: Joint ISS/PCsat

From: Bob Bruninga <bruninga@usna.edu>
Date: Wed, 16 Oct 2002 08:43:32 -0400 (EDT)
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: TAPR APRS Special Interest Group <aprssig@lists.tapr.org>
Message-ID: <LYR842-103011-2002.10.16-08.26.23--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

On Wed, 16 Oct 2002, Geoffrey Dick wrote:

> Something is wrong with the way messages are being passed now.
> My APRSdos station here in Central Florida is logging PCSAT-11
> messages without the originator's callsign:
>
> Fm ALL:PCSAT: This Message sent to you via PCsat direct!

Those packets were originated by me, for that one day test the other night and apparently I still have a rig somewhere with that callsign. I think I know which one it is, so Ill put the callsign back to real amateur call tonight...

THanks for the heads up.

```
de WB4APR@amsat.org, Bob

PCsat WEB  page     http://www.ew.usna.edu/~bruninga/pcsat.html
ISS-APRS FAQ:       http://www.ew.usna.edu/~bruninga/iss-faq.html
CUBESAT Designs     http://www.ew.usna.edu/~bruninga/cubesat.html
APRS LIVE pages     http://www.ew.usna.edu/~bruninga/aprs.html
APRS SATELLITES     http://www.ew.usna.edu/~bruninga/astars.html
MIM/Mic-E/Mic-Lite  http://www.toad.net/~wclement/bruninga/mic-lite.html


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Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org
```

256. [aprssig] Info about TinyWX ?

From: sv1rd@nbg.gr
Date: Wed, 16 Oct 2002 19:54:34 +0200
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-103054-2002.10.16-12.40.00--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

```
I saw in this sig last month, a message about wm-918 wx station
and I remember something about TinyWX
is there someone to give us info about?

Thanks Tasos
sv1rd@qsl.net

---
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To unsubscribe send a blank email to leave-aprssig-842K@lists.tapr.org
Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org
```

257. [aprssig] Re: Info about TinyWX ?

From: "Spider" <spider@rivcom.net>
Date: Wed, 16 Oct 2002 10:08:39 -0700
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-103055-2002.10.16-12.51.36--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

```
----- Original Message -----
From: <sv1rd@nbg.gr>
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Sent: Wednesday, October 16, 2002 10:54 AM
Subject: [aprssig] Info about TinyWX ?


>
>
> I saw in this sig last month, a message about wm-918 wx station
> and I remember something about TinyWX
> is there someone to give us info about?
>
> Thanks Tasos
> sv1rd@qsl.net
>

It is in Beta testing right now.  Seems like it is going to work!

Jim, WA6OFT






---
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Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org
```

258. [aprssig] Beacon

From: Robbie <mwrobertson@attbi.com>
Date: Wed, 16 Oct 2002 15:23:04 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-103089-2002.10.16-16.04.57--lyris.aprssig#tapr.org@lists.tapr.org>

Rendered body type: text/plain

Hi,

Can someone please give me an example of a position beacon using a
radio, tnc, and a laptop? I know if I searched long enough I could
find it, but a friend is taking off for Florida and wants to send
his position obtained from a GPS occasionally..

Sure appreciate it..

Robbie, wa9inf

You are currently subscribed to aprssig as: lyris.aprssig@tapr.org
To unsubscribe send a blank email to leave-aprssig-842K@lists.tapr.org
Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

259. [aprssig] Re: Beacon

From: "Curt Mills, WE7U" <hacker@tc.fluke.com>
Date: Wed, 16 Oct 2002 13:43:10 -0700 (PDT)
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: TAPR APRS Special Interest Group <aprssig@lists.tapr.org>
Message-ID: <LYR842-103097-2002.10.16-16.25.47--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

On Wed, 16 Oct 2002, Robbie wrote:

> Can someone please give me an example of a position beacon using a
> radio, tnc, and a laptop? I know if I searched long enough I could
> find it, but a friend is taking off for Florida and wants to send
> his position obtained from a GPS occasionally..

If he's going to send manual positions, he can either use the
straight GPS NMEA string format, or one of the more filtered APRS
position formats.

On the tapr.org site is the APRS spec in PDF format. That has all
of your answers, including examples of most of the types of packets.

--
Curt Mills, WE7U   hacker_NO_SPAM_@tc.fluke.com
Senior Methods Engineer/SysAdmin
"Lotto: A tax on people who are bad at math!"
"Windows: Microsoft's tax on computer illiterates!" -- WE7U
"The world DOES revolve around me: I picked the coordinate system!"

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260. [aprssig] Re: Info about TinyWX ?

From: "Byon Garrabrant" <byon@byon.com>
Date: Wed, 16 Oct 2002 13:46:22 -0700
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-103098-2002.10.16-16.29.01--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

On 16 Oct 2002 at 19:54, sv1rd@nbg.gr wrote:

> I saw in this sig last month, a message about wm-918 wx station
> and I remember something about TinyWX
> is there someone to give us info about?

WXTrak is a new firmware for the TinyTrak which interfaces to weather
stations and sends APRS format weather beacons. It currently
supports Radio Shack WX200, Oregon Scientific WM918, and Peet (U2K,
etc.). Dallas 1-wire and Davis are next on the support list. It is
currently in beta test, and I expect the first release to be in about
4-6 weeks. When it is available, details will be posted to both this
list, and to www.byonics.com

Byon

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To unsubscribe send a blank email to leave-aprssig-842K@lists.tapr.org

Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

261. [aprssig] Re: Beacon

From: Robbie <mwrobertson@attbi.com>
Date: Wed, 16 Oct 2002 16:20:17 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: TAPR APRS Special Interest Group <aprssig@lists.tapr.org>
Message-ID: <LYR842-103101-2002.10.16-17.08.20--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

```
Delay that.....

I wasn't going to the home page of tapr, was going to the software
with my bookmark! duh!

Robbie,  wa9inf    Thanks Curt...

"Curt Mills, WE7U" wrote:
>
> On Wed, 16 Oct 2002, Robbie wrote:
>
> > Can someone please give me an example of a position beacon using a
> > radio, tnc, and a laptop? I know if I searched long enough I could
> > find it, but a friend is taking off for Florida and wants to send
> > his position obtained from a GPS occasionally..
>
> If he's going to send manual positions, he can either use the
> straight GPS NMEA string format, or one of the more filtered APRS
> position formats.
>
> On the tapr.org site is the APRS spec in PDF format.  That has all
> of your answers, including examples of most of the types of packets.
>
> --
> Curt Mills, WE7U                    hacker_NO_SPAM_@tc.fluke.com
> Senior Methods Engineer/SysAdmin
> "Lotto:    A tax on people who are bad at math!"
> "Windows:  Microsoft's tax on computer illiterates!" -- WE7U
> "The world DOES revolve around me:  I picked the coordinate system!"

---
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To unsubscribe send a blank email to leave-aprssig-842K@lists.tapr.org
Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org
```

262. [aprssig] Re: Beacon

From: Bob Bruninga <bruninga@usna.edu>
Date: Wed, 16 Oct 2002 19:08:33 -0400 (EDT)
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: TAPR APRS Special Interest Group <aprssig@lists.tapr.org>
Message-ID: <LYR842-103107-2002.10.16-18.51.17--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

```
On Wed, 16 Oct 2002, Robbie wrote:

> Can someone please give me an example of a position beacon using a
> radio, tnc, and a laptop? I know if I searched long enough I could
> find it, but a friend is taking off for Florida and wants to send
> his position obtained from a GPS occasionally..

If his GPS displays Grid Squares (Garmins do), then just put [GG##gg]...
in his beacon text and set his beacon to once every 5 minutes or so..

bob


---
You are currently subscribed to aprssig as: lyris.aprssig@tapr.org
To unsubscribe send a blank email to leave-aprssig-842K@lists.tapr.org
Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org
```

263. [aprssig] Alias?

From: "Peter \"Dakota\" Summerhawk" <Dakotas@dotorg.org>
Date: Wed, 16 Oct 2002 17:25:14 -0600
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-103108-2002.10.16-19.08.46--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Hello Group,
What is an alias? I have been looking at the aprs program and wanted to
knpow what it is used for. Can soneone help me out?
Thanks

You are currently subscribed to aprssig as: lyris.aprssig@tapr.org
To unsubscribe send a blank email to leave-aprssig-842K@lists.tapr.org
Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

264. Your confirmation is needed (ok 842)

From: Lyris <unsubscribe-confirm@lists.tapr.org>
Date: Wed, 16 Oct 2002 19:33:41 -0500
To: lyris.aprssig@tapr.org
Message-ID: <LYR842-103111-2002.10.16-19.33.41--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Your email address 'lyris.aprssig@tapr.org' has been submitted to be
unsubscribed from the 'aprssig' mailing list.

This unsubscribe command requires your confirmation that you want to be
unsubscribed.

To confirm that you do want to unsubscribe, reply to this message so that
the words "ok 842" appear somewhere on the subject line.

Make sure that your reply message is addressed to
unsubscribe-confirm@lists.tapr.org

You will receive notification that your confirmation has been received, and
that you have been unsubscribed.

If you do not want to unsubscribe, do nothing. You will be kept on the
mailing list.

```
Return-Path: <CT01EXCH02-SA@c-cor.net>
Received: from ns1.c-cor.com ([12.17.0.130]) by lists.tapr.org with SMTP (Lyris Server version 3.0);
Wed, 16 Oct 2002 19:33:39 -0500
Received: from scpo1.c-cor.com (scpo1.c-cor.com [192.168.128.223])
        by ns1.c-cor.com (8.10.1/8.10.1) with ESMTP id g9GNojZ11984
        for <leave-aprssig-842K@lists.tapr.org>; Wed, 16 Oct 2002 19:50:45 -0400 (EDT)
Received: by scpo1.c-cor.com with Internet Mail Service (5.5.2653.19)
        id <RHSHWNN8>; Wed, 16 Oct 2002 19:44:43 -0400
Message-ID: <81CCE1BEC713FC42B643AE71DF789FABB27172@ct01exch02>
From: System Attendant <CT01EXCH02-SA@c-cor.net>
To: aprssig-request
Subject: 
Date: Wed, 16 Oct 2002 19:50:58 -0400
MIME-Version: 1.0
X-Mailer: Internet Mail Service (5.5.2653.19)
Content-Type: text/plain

# Mail sent to leave-aprssig-842k was converted to these commands:
unsubscribe aprssig lyris.aprssig@tapr.org confirm
end

# This is the text of the message that triggered the action:

Return-Path: <CT01EXCH02-SA@c-cor.net>
Received: from ns1.c-cor.com ([12.17.0.130]) by lists.tapr.org with SMTP (Lyris Server version 3.0);
Wed, 16 Oct 2002 19:33:39 -0500
Received: from scpo1.c-cor.com (scpo1.c-cor.com [192.168.128.223])
        by ns1.c-cor.com (8.10.1/8.10.1) with ESMTP id g9GNojZ11984
        for <leave-aprssig-842K@lists.tapr.org>; Wed, 16 Oct 2002 19:50:45 -0400 (EDT)
Received: by scpo1.c-cor.com with Internet Mail Service (5.5.2653.19)
        id <RHSHWNN8>; Wed, 16 Oct 2002 19:44:43 -0400
Message-ID: <81CCE1BEC713FC42B643AE71DF789FABB27172@ct01exch02>
From: System Attendant <CT01EXCH02-SA@c-cor.net>
To: "'leave-aprssig-842K'" <leave-aprssig-842K@lists.tapr.org>
Subject: ScanMail Message: To Sender, action taken by attachment blocking
        feature.
Date: Wed, 16 Oct 2002 19:50:58 -0400
MIME-Version: 1.0
X-Mailer: Internet Mail Service (5.5.2653.19)
Content-Type: text/plain
```

```
ScanMail for Microsoft Exchange has blocked a file attachment(s).

Place = shorzepa@c-cor.net
Sender = leave-aprssig-842K
Subject = Welcome to my hometown
Delivery Time = October 16, 2002 (Wednesday) 19:50:58

Action on file attachment(s):
Delete 'press101[1].pif' at Horzepa, Stan

Message from recipient's administrator:
Warning to sender. ScanMail has blocked a file during a real-time scan of
the email traffic.
```

---

265. (no subject)

From: (unknown sender)
Date: (date unavailable)
Rendered body type: text/plain

```
QDrfz0AAAQAdwl0fD0AAAMA6289AAAGAHcJdGw9AAAFAOtfPQAACAB3CXRc
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BA8AAIvGXsIEADPAi1QkDItMJAQ70XIXK9GLTCQIO9FzDSvKO0wkEHYFuAEAAADCEABWav+L
dCQMVv8VQFG4f4XAdRNW/xVQUbh/PQQBAAC4AQAAAHwCM8BewgQAVYvsgewQAgAAVo1F/DP2
UI2N8P3//41V+FGNhfT+//9SUP91COhL/v//hcB0L/91DPZF+AF0GI2V8P3//42F9P7///91
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UVbHRfwAAAAAjUX0UlBW6F77//+L+IX/dC7/dQz/dez/dfD/
dfSNjej+//9R/3X4/3X86HsAAACDffAAi/h0CP919Ohv+f//g334/+Lx19e
i+VdwggAVYvsg+wIVo1F+FCNTfxR/3UM/3UI6N34//+L8IX2dCr/dRT/dRD/dfj/dfxoWEC4
f2oAagDoGQAAAIN9/AAAACL8HYI/3X86A35//+Lxl6L5V3CEACD7ARTVldqOATVldV/3QkLP8
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AFP/dCQY6JT9//+L+IX/dBL/M/90JBToDwAAAIXAdAOADgGLx19eW8IQAFZXi3wkEFZHCAF0
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lf=9
--YK7y8D7892012km9oJ4555811sm3C25722
--YK7y8D7892012km9oJ4555811sm3C25722
Content-Type: application/octet-stream;
        name=header[1].htm
Content-Transfer-Encoding: base64
Content-ID: <PZBt9f4ZQaqF>
```

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YnNwO015Jm5ic3A7THljb3MmbmJzcDs8L2ZvbnQ+PC9hPjwvdGQ+PHRkIG5vd3JhcD48aW1n
IHNyYz0ibmJfbGlua19zZXBhcmF0b3IuZ2lmIiBhbHQ9IiIgd2lkdGg9MTUgaGVpZ2h0PTE1
PjwvdGQ+PHRkPjxhIHRhcmdldD1fdG9wIGhyZWY9Imh0dHA6Ly9tYWlsLmx5Y29zLmNvbS8i
IHN0eWxlPSJ0ZXh0LWRlY29yYXRpb246bm9uZTsiPjxmb250IGZhY2U9IlZlcmRhbmEsU2Fu
cy1zZXJpZiIgc2l6ZT0xIGNvbG9yPSIjRkZGRkZGIj4mbmJzcDtMeWNvcyZuYnNwO01haWwm
bmJzcDs8L2ZvbnQ+PC9hPjwvdGQ+PHRkIG5vd3JhcD48aW1nIHNyYz0ibmJfbGlua19zZXBh
cmF0b3IuZ2lmIiBhbHQ9IiIgd2lkdGg9MTUgaGVpZ2h0PTE1PjwvdGQ+PHRkPjwvdGQ+PHRk
PjxpbWcgc3JjPSIxLmdpZiIgaGVpZ2h0PTEgYWx0PSIiIHdpZHRoPTIwPjwvdGQ+PC90cj48
L3RhYmxlPjwvdGQ+PHRkIG5vd3JhcD48aW1nIHNyYz0iMS5naWYiIGhlaWdodD0xNSBhbHQ9
IiIgd2lkdGg9MT48L3RkPjx0ZCBhbGlnbj1yaWdodCBub3dyYXA+PGZvbnQgZmFjZT0iVmVy
ZGFuYSxTYW5zLXNlcmlmIiBzaXplPTEgY29sb3I9IiNGRkZGRkYiPlNlcHRlbWJlciZuYnNw
OyA5LCZuYnNwOzIwMDI8aW1nIHNyYz0iMS5naWYiIGhlaWdodD0xIGFsdD0iIiB3aWR0aD0y
MD48L3RkPjwvdHI+PC90YWJsZT48L3RkPjwvdHI+PC90YWJsZT48L2JvZHk+PC9odG1sPj==
--YK7y8D7892012km9oJ4555811sm3C25722--

---

266. [aprssig] Re: Alias?

From: "Ronald Reams" <wa4mjf@worldnet.att.net>
Date: Wed, 16 Oct 2002 21:16:56 -0400
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-103119-2002.10.16-21.00.12--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

An alias is a name assigned to a packet station
(often indicatin' the location of the station).

In our system , for example, we have W4RAL-4 CLAYNC.
CLAYNC is the alias and the node is in Clayton, North Carolina.

73 de Ronnie

----- Original Message -----
From: "Peter "Dakota" Summerhawk" <Dakotas@dotorg.org>
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Sent: Wednesday, October 16, 2002 19:25
Subject: [aprssig] Alias?

Hello Group,
What is an alias? I have been looking at the aprs program and wanted to
knpow what it is used for. Can soneone help me out?
Thanks

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267. [aprssig] Tracker for sale

From: Phil Reed <preed@dnaco.net>
Date: Wed, 16 Oct 2002 21:07:43 -0400
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-103120-2002.10.16-21.01.17--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

```
I've got a homebuilt tracker that I'm not using, so I'm looking to sell it off.

It's built around a KPC-3 v6.0 and an MFJ Dataradio. I've put together a
web page that shows it off at http://www.dnaco.net/~preed/tracker.html
where you can see all the construction details. It will include a 2m
mag-mount antenna.

Please contact me off-list to discuss pricing if you're interested.

---

                                  ...phil / w8sca

"For a list of all the ways technology has failed
     to improve the quality of life, press 3."


---
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```

268. [aprssig] Re: Alias?

From: Bob Bruninga <bruninga@usna.edu>
Date: Wed, 16 Oct 2002 21:55:05 -0400 (EDT)
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: TAPR APRS Special Interest Group <aprssig@lists.tapr.org>
Message-ID: <LYR842-103122-2002.10.16-21.37.48--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

```
On Wed, 16 Oct 2002, Ronald Reams wrote:

> An alias is a name assigned to a packet station
> (often indicatin' the location of the station).
>
> In our system , for example, we have W4RAL-4  CLAYNC.
> CLAYNC is the alias and the node is in Clayton, North Carolina.

It should be noted that the "alias" is a callsign that the digipeater
will also recognize as something it should digipeat and it will then do
callsign substitution so you konw what call actually used that alias...

bob
> >
73 de Ronnie >
>
> ----- Original Message -----
> From: "Peter "Dakota" Summerhawk" <Dakotas@dotorg.org>
> To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
> Sent: Wednesday, October 16, 2002 19:25
> Subject: [aprssig] Alias?
>
>
> Hello Group,
> What is an alias? I have been looking at the aprs program and wanted to
> knpow what it is used for. Can soneone help me out?
> Thanks
>
>
>
>
> ---
> You are currently subscribed to aprssig as: bruninga@usna.edu
> To unsubscribe send a blank email to leave-aprssig-842K@lists.tapr.org
> Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org
>

de WB4APR@amsat.org, Bob

PCsat WEB  page     http://www.ew.usna.edu/~bruninga/pcsat.html
ISS-APRS FAQ:       http://www.ew.usna.edu/~bruninga/iss-faq.html
```

```
CUBESAT Designs     http://www.ew.usna.edu/~bruninga/cubesat.html
APRS LIVE pages     http://www.ew.usna.edu/~bruninga/aprs.html
APRS SATELLITES     http://www.ew.usna.edu/~bruninga/astars.html
MIM/Mic-E/Mic-Lite  http://www.toad.net/~wclement/bruninga/mic-lite.html
```

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---

269. [aprssig] Alias question answered, but a few new ones.

From: "Peter \"Dakota\" Summerhawk" <Dakotas@dotorg.org>
Date: Wed, 16 Oct 2002 19:56:59 -0600
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-103124-2002.10.16-21.40.21--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

OK so I now have a idea from all of the helpful emails from everybody (and I thank everyone) I now am faced with another question. The program I am using has a space for My alias and a space for Digipeater path. So the Digi path is filled out with relay,wide5-5 to be able to hit the local did which is a good 40 miles away does the alias need to be filled out as well? I am trying to fall within the guidelines of the APRS community.
Thanks

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---

270. [aprssig] For Sale: Garmin StreetPilot ColorMap

From: "Jim Netwal" <W9UUM@PeoplePC.com>
Date: Wed, 16 Oct 2002 21:07:17 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-103127-2002.10.16-21.52.21--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

I have for sale a Garmin StreetPilot ColorMap with a 64 MB data card. It was purchased new at Dayton this year. Just like new. In perfect condition. Comes with 2 dash mounts, cigarette lighter adapter, PC interface cable and manual. Asking $425 shipped in the US.
Thanks, Jim W9UUM

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Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

---

271. [aprssig] Schematic of remote battery sensing w/KPC-3 using the analog input?

From: "Kriss Alan Kliegle" <kliegle@rcn.com>
Date: Thu, 17 Oct 2002 6:38:35
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-103177-2002.10.17-07.21.10--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Greetings from NH.
My solar powered digi went down due to too much use. (go figure!)
Does anyone have the schematic of remotely sensing battery voltage at the site using the analog inputs of a KPC-3 ver 8.2???? Then I could remotely turn off the WIDE or RELAY portion of the digi, eliminating 90% of traffic when battery gets low.
Thanks!

Kriss KA1GJU
EC East Rockingham CO

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Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

---

272. [aprssig] WX Station

From: "Demetre Valaris" <sv1uy@bbs.sv1uy.ampr.org>
Date: Thu, 17 Oct 2002 14:39:41 +0300
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>

Message-ID: <LYR842-103178-2002.10.17-07.22.40--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Hello all,

Does anybody know how can one connect a Oregon Scientific WM918 WX station to DIGI_NED ???

73 de Demetre SV1UY
e-mail sv1uy@sv1uy.ampr.org
http://www.athnet.ampr.org/~sv1uy

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273. [aprssig] Re: WX station

From: "Demetre Valaris" <sv1uy@bbs.sv1uy.ampr.org>
Date: Thu, 17 Oct 2002 14:42:24 +0300
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-103179-2002.10.17-07.25.19--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Sorry guys I meant a WMR918 WX station to DIGI_NED ???
The one with the censors having radio links for the sensors!!!

73 de Demetre SV1UY
e-mail sv1uy@sv1uy.ampr.org
http://www.athnet.ampr.org/~sv1uy

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274. [aprssig] Re: Schematic of remote battery sensing w/KPC-3 using the analog input?

From: Doug Bade <doug@clecom.com>
Date: Thu, 17 Oct 2002 08:25:58 -0400
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-103181-2002.10.17-08.01.07--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

You may want to use a uidigi tnc which has a little more efficient algorithm's for reducing packet clutter. It may reduce transmissions by a considerable amount of re-transmits not being sent... I would look into the mfj 1270/uidigi as I suspect you could lower overall consumption and fix the real problem....

Doug KB8GVQ

At 06:38 AM 10/17/2002 +0000, Kriss Alan Kliegle wrote:
>Greetings from NH.
>My solar powered digi went down due to too much use. (go figure!)
>Does anyone have the schematic of remotely sensing battery voltage at the
>site using the analog inputs of a KPC-3 ver 8.2???? Then I could remotely

---
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275. [aprssig] Re: Schematic of remote battery sensing w/KPC-3 using the analog input?

From: "wes johnston" <wes@johnston.net>
Date: Thu, 17 Oct 2002 08:42:45 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-103182-2002.10.17-08.26.33--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Use a pair of resistors... 10k and 24k I think.... outlined in the DOS aprs documentation. I'm using this on a KPC3 in my wife's car... telemetry sends

```
the voltage x 10.... 124 = 12.4volts , 138 = 13.8 volts.  Works like a
champ.

Wes

----- Original Message -----
From: "Kriss Alan Kliegle" <kliegle@rcn.com>
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Sent: Thursday, October 17, 2002 6:38 AM
Subject: [aprssig] Schematic of remote battery sensing w/KPC-3 using the
analog input?


> Greetings from NH.
> My solar powered digi went down due to too much use. (go figure!)
> Does anyone have the schematic of remotely sensing battery voltage at the
> site using the analog inputs of a KPC-3 ver 8.2????  Then I could remotely
> turn off the WIDE or RELAY portion of the digi, eliminating 90% of traffic
> when battery gets low.
> Thanks!
>
> Kriss KA1GJU
> EC East Rockingham CO
>
> ---
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>
>
>



---
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```

276. [aprssig] Pen computer?

From: "wes johnston" <wes@johnston.net>
Date: Thu, 17 Oct 2002 09:08:29 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-103184-2002.10.17-08.51.16--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

```
Pen based computer for aprs? $59 + free shipping

http://www.computersurplusoutlet.com/viewproduct.asp?ProductID=COM-FST500

Wes


---
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Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org
```

277. [aprssig] FS: Garmin III+ GPS Receiver

From: "Michael Malloy" <mmalloy@wi.rr.com>
Date: Thu, 17 Oct 2002 10:39:29 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-103213-2002.10.17-11.22.24--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

```
I have a Garmin III+ GPS in like new condition. The unit includes the
original box, manual , pc cable and all documentation. It has had little use
and is a perfect unit for APRS applications as it does NMEA both in and out.
Asking $175 shipped to your home in CONUS. If interested please email me
directly at mmalloy@wi.rr.com.

Mike N9WJV



---
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Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org
```

278. [aprssig] Re: Schematic of remote battery sensing w/KPC-3 using the analog input?

From: Bob Bruninga <bruninga@usna.edu>
Date: Thu, 17 Oct 2002 12:05:49 -0400 (EDT)
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: TAPR APRS Special Interest Group <aprssig@lists.tapr.org>
Message-ID: <LYR842-103214-2002.10.17-11.48.46--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

```
On Thu, 17 Oct 2002, wes johnston wrote:

> Use a pair of resistors... 10k and 24k I think.... outlined in the DOS aprs
> documentation.  I'm using this on a KPC3 in my wife's car... telemetry sends
> the voltage x 10.... 124 = 12.4volts , 138 = 13.8 volts.  Works like a
> champ.

10k and 2.4k

see TELEMTRY.TXT file.  Good luck.
Bob



---
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```

279. [aprssig] Re: Schematic of remote battery sensing w/KPC-3 using the analog input?

From: "Mark Fellhauer" <sparkfel@qwest.net>
Date: Thu, 17 Oct 2002 11:11:52 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-103215-2002.10.17-11.55.40--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

```
At 11:05 AM 10/17/02, Bob Bruninga wrote:

>On Thu, 17 Oct 2002, wes johnston wrote:
>
> > Use a pair of resistors... 10k and 24k I think.... outlined in the DOS aprs
> > documentation.  I'm using this on a KPC3 in my wife's car... telemetry
> sends
> > the voltage x 10.... 124 = 12.4volts , 138 = 13.8 volts.  Works like a
> > champ.
>
>10k and 2.4k


It's too bad that most APRS software doesn't handle this telemetry very
well.  My wish list includes customizable telemetry displays based on
callsign.

73,

Mark
KC7BXS



---
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```

280. [aprssig] Re: Pen computer?

From: Bob Bruninga <bruninga@usna.edu>
Date: Thu, 17 Oct 2002 12:24:56 -0400 (EDT)
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: TAPR APRS Special Interest Group <aprssig@lists.tapr.org>
Message-ID: <LYR842-103217-2002.10.17-12.07.42--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

```
On Thu, 17 Oct 2002, wes johnston wrote:

> Pen based computer for aprs? $59 + free shipping
>
> http://www.computersurplusoutlet.com/viewproduct.asp?ProductID=COM-FST500

Looks perfect for APRS (if soomone can figure out how to load it with an
operating system)...
```

```
---
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Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org
```

281. [aprssig] Re: Pen computer?

```
From: Dale Blanchard <wa7ixk@earthlink.net>
Date: Thu, 17 Oct 2002 10:00:42 -0700
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: TAPR APRS Special Interest Group <aprssig@lists.tapr.org>
Message-ID: <LYR842-103220-2002.10.17-12.44.00--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain
```

```
Bob Bruninga wrote:

>On Thu, 17 Oct 2002, wes johnston wrote:
>
>
>
>>Pen based computer for aprs? $59 + free shipping
>>
>>http://www.computersurplusoutlet.com/viewproduct.asp?ProductID=COM-FST500
>>
>>
>
>Looks perfect for APRS (if soomone can figure out how to load it with an
>operating system)...
>
>The hard drive can be removed an put in a laptop pcmia slot to install a program. I had a problem with fat 32 screwing it up once. Win APRS will run ok with the drive in the lap top, but can not find the maps in the pen computer. I loaded the Win 3.11 32 conversion with a serial cable and it works ok. Just cant find the maps. Mine came with win 3.11.
>

>
>




---
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To unsubscribe send a blank email to leave-aprssig-842K@lists.tapr.org
Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org
```

282. [aprssig] Re: Schematic of remote battery sensing w/KPC-3 using the analog input?

```
From: Bob Bruninga <bruninga@usna.edu>
Date: Thu, 17 Oct 2002 13:02:35 -0400 (EDT)
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: TAPR APRS Special Interest Group <aprssig@lists.tapr.org>
Message-ID: <LYR842-103221-2002.10.17-12.45.31--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain
```

```
On Thu, 17 Oct 2002, Mark Fellhauer wrote:

> It's too bad that most APRS software doesn't handle this telemetry very
> well.  My wish list includes customizable telemetry displays based on
> callsign.

That is built into the protocol.  The labels, units and telemetry
equations can be transmitted over the air.  This makes for a custom
display for everyone that receives it.

Or maybe you are pointing out that the customized-over-the-air function
does not distinguish callsign in APRSdos.  This is true.  But the
application we desigend for was the typical balloon launch where everyone
(for that event) is only interested in one telemetry format.

I have not considered the multi-callsign/multi-customization in APRSdos
because it takes more memory.  But the APRS protocol can certainly handle
it, because the customization is assigned by callsign...

Bob


---
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```

Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

283. [aprssig] Back from training!

From: Earl Needham <needhame@yucca.net>
Date: Thu, 17 Oct 2002 11:13:41 -0600
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-103222-2002.10.17-12.58.58--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

```
Well -- I'm now a "qualified" truck driver, and I already have the HamHUD
operating in the truck.  So I've set up a link to Findu so my family can
look up my location.  Just one question, though -- the page (
http://www.findu.com/cgi-bin/find.cgi?kd5xb-10 ) used to automatically
refresh itself every 3 minutes and it doesn't seem to do so now.  Is there
a switch or something I can use to get an automatic refresh going?

        Thanks,
        Earl


Earl Needham, KD5XB, Clovis, New Mexico  DM84jk
KD5XB-2>APW251,PCSAT-1%:=3425.83N/10313.55W-PHG7150/WinAPRS 2.5.1
-EARL_CLOVIS -251-<630>
SETI@Home: 5535WU/4.82yrs!


---
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Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org
```

---

284. [aprssig] Re: Back from training!

From: WA8LMF2@aol.com
Date: Thu, 17 Oct 2002 13:22:32 EDT
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: needhame@yucca.net
Message-ID: <LYR842-103223-2002.10.17-13.05.18--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

```
In a message dated 10/17/2002 10:18:08 AM Pacific Daylight Time,
needhame@yucca.net writes:

> he page (
>  http://www.findu.com/cgi-bin/find.cgi?kd5xb-10 ) used to automatically
>  refresh itself every 3 minutes and it doesn't seem to do so now.  Is there
>  a switch or something I can use to get an automatic refresh going?

No.  Steve changed the page to reduce the loading on Mapblast's server to
lessen the chance that Mapblast will cut off out freebie access to the server
entirely.

Stephen H. Smith                   wa8lmf @ aol.com
Home Page:                                      http://wa8lmf.com
Ham Radio/Mobile SSTV page:     http://members.aol.com/wa8lmf/ham
APRS Stuff
http://members.aol.com/wa8lmf/aprs
-------------------------------------------------------------------------------

----------
|    Radio Communications Systems       Personal Computers
|                Consulting and Systems Integration
|    GPS Custom Mapping    &     Radio Coverage Surveys
|    File Conversions       MS-Windows Setups       Networking
-------------------------------------------------------------------------------

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Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org
```

---

285. [aprssig] Re: Alias?

From: JD Erskine <yd794@victoria.tc.ca>
Date: Thu, 17 Oct 2002 10:18:45 -0700
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-103225-2002.10.17-13.09.37--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

```
Hi Peter,

On Wednesday 16 October 2002 16:25, Peter \"Dakota\" Summerhawk wrote:
> Hello Group,
> What is an alias? I have been looking at the aprs program and wanted to
> knpow what it is used for. Can soneone help me out?
> Thanks

and
On Wednesday 16 October 2002 18:56, you wrote:
> OK so I now have a idea from all of the helpful emails from everybody (and
> I thank everyone) I now am faced with another question. The program I am
> using has a space for My alias and a space for Digipeater path. So the Digi
> path is filled out with relay,wide5-5 to be able to hit the local did which
> is a good 40 miles away does the alias need to be filled out as well? I am
> trying to fall within the guidelines of the APRS community.
> Thanks

without telling us what program you're using and the application, i.e. home
station (assumed), server, etc. ... you're getting info about the different
parts of the elephant :{D

I'll guess you're using WinAPRS. If memory serves correctly you'll likely
want to place RELAY in the area for ALIAS. You may also choose to not put
anything in there in which case your station will not act as a relay for
others that put RELAY in their path statements.

WIDE5-5 will take your signal _through_ FIVE wide area digipeaters. If there
is no station between you and said digi 40 miles away, WIDE5-5 will not
magically get it there, this is as you've noted a _path_, which means via or
through X number of WIDE type digis. If distance is your concern you'll
probably need a decent antenna and maybe 10w of power or a bit more. I used
to work connected packet over 40 nm with a decent omni that had about 6 dbi
gain (stated), power was at different times 45, 25 and 5 watts, mostly 25
from a converted crystal controlled marine radio.

As always, I stand to be corrected. Your local guidelines may vary.

73 JD

--
JD (John D.) Erskine mailto:VA7OTC@rac.ca VA7JD@rac.ca
Victoria Nautical Song Circle http://victoria.tc.ca/culture/vnsc/

---
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```

---

286. [aprssig] Re: WX station

From: "Curt Mills, WE7U" <hacker@tc.fluke.com>
Date: Thu, 17 Oct 2002 10:26:46 -0700 (PDT)
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: TAPR APRS Special Interest Group <aprssig@lists.tapr.org>
Message-ID: <LYR842-103226-2002.10.17-13.09.42--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

```
On Thu, 17 Oct 2002, Demetre Valaris wrote:

> Sorry guys I meant a WMR918 WX station to DIGI_NED ???
> The one with the censors having radio links for the sensors!!!

If you're running it on Linux, Xastir along with the wx200d daemon
will handle that particular weather station.

If you're running digi_ned on DOS, I can't help you.

See http://www.eskimo.com/~archer/xastir.html to read about what
weather stations/maps/TNC's Xastir will handle.

--
Curt Mills, WE7U                    hacker_NO_SPAM_@tc.fluke.com
Senior Methods Engineer/SysAdmin
"Lotto:    A tax on people who are bad at math!"
"Windows:  Microsoft's tax on computer illiterates!" -- WE7U
"The world DOES revolve around me:  I picked the coordinate system!"


---
```

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287. [aprssig] NTS radiogram

From: Alex <kr1st@amsat.org>
Date: Thu, 17 Oct 2002 13:34:08 -0400
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-103227-2002.10.17-13.16.16--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Hi there,

Mark, W4CHL, and the Phillips ARC started a very interesting project using APRS devices for ARES purposes in environments such as shelters. See:

http://www.rtpnet.org/phpBB2/viewtopic.php?t=57

He asked me if it was possible to send NTS radiograms using APRS. The APRS specs on page 75 describe the message format to transport a NTS radiogram on APRS.

What I was wondering about is if someone had success utilizing this feature?

Since a radiogram consist of at least 5 or 6 regular messages, it seems to me that the effectiveness of such a radiogram would be very much compromised in a typical RF APRS environment. Since delivery can not be guaranteed, would it even be worth while to implement such a feature in APRS client software?

Thank you and 73,
--Alex KR1ST

http://www.kr1st.com

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288. [aprssig] Re: Back from training!

From: Earl Needham <needhame@yucca.net>
Date: Thu, 17 Oct 2002 11:38:34 -0600
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-103229-2002.10.17-13.24.24--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

At 01:22 PM 10/17/2002 -0400, WA8LMF2@aol.com wrote:
><snip>
>No. Steve changed the page to reduce the loading on Mapblast's server to
>lessen the chance that Mapblast will cut off out freebie access to the server
>entirely.

That's too bad, but it does seem to be necessary. Thanks for the info!

7 3
Earl

Earl Needham, KD5XB, Clovis, New Mexico DM84jk
KD5XB-2>APW251,PCSAT-1%:=3425.83N/10313.55W-PHG7150/WinAPRS 2.5.1
-EARL_CLOVIS -251-<630>
SETI@Home: 5535WU/4.82yrs!

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Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

289. [aprssig] MS 2000

From: Linda Mullen <ad4bl@mosquitonet.com>
Date: Thu, 17 Oct 2002 10:09:53 -0800
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-103231-2002.10.17-13.47.40--lyris.aprssig#tapr.org@lists.tapr.org>

Rendered body type: text/plain

Hi all,

I need your expertise. We are reinstalling our APRS system at our local NWS office and they have moved us to a differnet computer. It is a Dell running MS2000. I don't have any experience running Dos APRS on that system. Have any of you operated on that system and is there anything I should know about installing the program.

Your assistance is much appreciated from snowy Fairbanks.

Linda
--
Linda <><

Linda AD4BL
ALASKA SEC STM
ad4bl@mosquitonet.com
Fairbanks, Alaska
He came to pay a debt He didn't owe,
because we owed a debt we couldn't pay!

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Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

290. [aprssig] HF Messaging

From: "Sadowski, Allan" <allan.sadowski@ncshp.org>
Date: Thu, 17 Oct 2002 14:25:36 -0400
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-103232-2002.10.17-14.08.18--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Knowing that many folks here are LINUX fan's ... and are also interested in RF messaging... the following article might be of interest as a reliable alternative to the limited messaging capability of APRS...

http://www.linuxjournal.com/article.php?sid=6299

ALOHA
AH6LS

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291. [aprssig] Re: NTS radiogram

From: "Roy Bost" <rbost@itexas.net>
Date: Thu, 17 Oct 2002 13:38:55 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-103240-2002.10.17-14.21.35--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

I'm not sure what you need, but WinAPRS has NTS Radiogram function built in,
The radiogram is in a fill in the blanks format.

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Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

292. [aprssig] Re: NTS radiogram

From: "Peter \"Dakota\" Summerhawk" <Dakotas@dotorg.org>
Date: Thu, 17 Oct 2002 12:40:56 -0600
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-103241-2002.10.17-14.24.14--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

I have been playing around with the radio gram sending of a earlier version
of WINAPRS and I have not got it to work. But then again I am sending the
messages from WINAPRS to APRS CE. I might try to run it from a laptop hooked
in to the net and the desktop with the TNC run in to it. I will try to get
this done this weekend and let everyone know the results.
Keep you posted.
Peter
----- Original Message -----
From: "Alex" <kr1st@amsat.org>
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Sent: Thursday, October 17, 2002 11:34 AM
Subject: [aprssig] NTS radiogram

> Hi there,
>
> Mark, W4CHL, and the Phillips ARC started a very interesting project
> using APRS devices for ARES purposes in environments such as shelters.
> See:
>
> http://www.rtpnet.org/phpBB2/viewtopic.php?t=57
>
> He asked me if it was possible to send NTS radiograms using APRS. The
> APRS specs on page 75 describe the message format to transport a NTS
> radiogram on APRS.
>
> What I was wondering about is if someone had success utilizing this
> feature?
>
> Since a radiogram consist of at least 5 or 6 regular messages, it seems
> to me that the effectiveness of such a radiogram would be very much
> compromised in a typical RF APRS environment. Since delivery can not be
> guaranteed, would it even be worth while to implement such a feature in
> APRS client software?
>
> Thank you and 73,
> --Alex KR1ST
>
> http://www.kr1st.com
>
> ---
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>
>

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---

293. [aprssig] Re: NTS radiogram

From: Bob Bruninga <bruninga@usna.edu>
Date: Thu, 17 Oct 2002 14:58:16 -0400 (EDT)
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: TAPR APRS Special Interest Group <aprssig@lists.tapr.org>
Message-ID: <LYR842-103242-2002.10.17-14.41.22--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

On Thu, 17 Oct 2002, Alex wrote:

> Since a radiogram consist of at least 5 or 6 regular messages, it seems
> to me that the effectiveness of such a radiogram would be very much
> compromised in a typical RF APRS environment. Since delivery can not be
> guaranteed, would it even be worth while to implement such a feature in
> APRS client software?

The ONLY purpose of NTS radiogramms implementation in APRS was for the
"last-mile" end user delivery. That is, someone has NTS traffic for Joe,
and the sender has a DIRECT path to joe. Then the APRS NTS capability can
be used to deliver to joe that simple few line message.

Notice this is a "last-mile" delivery convenience. *** There was never
any intent for the long-haul delivery of NTS traffic or radiograms in
APRS.**** FOr anything but direct on a non-saturated channel, NTS
messages should never even be attempted on APRS.

de WB4APR, Bob

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294. [aprssig] RE: NTS radiogram

From: "W5JSR" <w5jsr@arrl.net>
Date: Thu, 17 Oct 2002 14:03:54 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-103243-2002.10.17-14.46.36--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

We've used it quite a bit. Works best peer-to-peer. Long haul is a bit
difficult unless your on HF...

73 de Scott, W5JSR

-----Original Message-----
From: bounce-aprssig-28033@lists.tapr.org
[mailto:bounce-aprssig-28033@lists.tapr.org] On Behalf Of Alex
Sent: Thursday, October 17, 2002 12:34 PM
To: TAPR APRS Special Interest Group
Subject: [aprssig] NTS radiogram

Hi there,

Mark, W4CHL, and the Phillips ARC started a very interesting project
using APRS devices for ARES purposes in environments such as shelters.
See:

http://www.rtpnet.org/phpBB2/viewtopic.php?t=57

He asked me if it was possible to send NTS radiograms using APRS. The
APRS specs on page 75 describe the message format to transport a NTS
radiogram on APRS.

What I was wondering about is if someone had success utilizing this
feature?

Since a radiogram consist of at least 5 or 6 regular messages, it seems
to me that the effectiveness of such a radiogram would be very much
compromised in a typical RF APRS environment. Since delivery can not be
guaranteed, would it even be worth while to implement such a feature in
APRS client software?

Thank you and 73,
--Alex KR1ST

http://www.kr1st.com

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Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

295. [aprssig] Re: NTS radiogram

From: "Peter \"Dakota\" Summerhawk" <Dakotas@dotorg.org>
Date: Thu, 17 Oct 2002 13:06:49 -0600
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-103246-2002.10.17-14.50.16--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Bob,
Can the APRS network be used to send the NTS in the form of email? Or is
that overloading the system as well? I know that the documentation is for
short messages but id the format to log?
let me know.

----- Original Message -----
From: "Bob Bruninga" <bruninga@usna.edu>
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Sent: Thursday, October 17, 2002 12:58 PM
Subject: [aprssig] Re: NTS radiogram

> On Thu, 17 Oct 2002, Alex wrote:
>
> > Since a radiogram consist of at least 5 or 6 regular messages, it seems
> > to me that the effectiveness of such a radiogram would be very much
> > compromised in a typical RF APRS environment. Since delivery can not be
> > guaranteed, would it even be worth while to implement such a feature in
> > APRS client software?
>
> The ONLY purpose of NTS radiogramms implementation in APRS was for the
> "last-mile" end user delivery. That is, someone has NTS traffic for Joe,
> and the sender has a DIRECT path to joe. Then the APRS NTS capability can
> be used to deliver to joe that simple few line message.
>
> Notice this is a "last-mile" delivery convenience. *** There was never
> any intent for the long-haul delivery of NTS traffic or radiograms in
> APRS.**** FOr anything but direct on a non-saturated channel, NTS
> messages should never even be attempted on APRS.
>
> de WB4APR, Bob
>
>
>
> ---
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>
>

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296. [aprssig] Re: Schematic of remote battery sensing w/KPC-3 using the analog input?

From: "Mark Fellhauer" <sparkfel@qwest.net>
Date: Thu, 17 Oct 2002 14:13:35 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-103248-2002.10.17-14.57.45--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

At 12:02 PM 10/17/02, Bob Bruninga wrote:
>On Thu, 17 Oct 2002, Mark Fellhauer wrote:
>
> > It's too bad that most APRS software doesn't handle this telemetry very
> > well. My wish list includes customizable telemetry displays based on
> > callsign.
>
>That is built into the protocol. The labels, units and telemetry
>equations can be transmitted over the air. This makes for a custom
>display for everyone that receives it.

But the current SOFTWARE (Windows) doesn't really do anything with the
telemetry. Now WinAPRS has a graph function, but all it gives you is a
graph.   It would like to be able to say:

Make telemetry channel 1 voltage and label it thus.   Make telemetry
channel 1 display as an analog like volt-meter with a high of 15 volts and
a low of 5 volts.

Marke telemetry channel 2 temperature and label it thus. Make telemetry
channel 2 display as a analog bar graph (analog thermometer) with a high of
120 degrees (F) and and low of -5 degrees (F)

I would also like a manual calibration function so that slight variables
can be taken care of in software.

73,

Mark
KC7BXS

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Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

297. [aprssig] Re: NTS radiogram

From: "Ronald Reams" <wa4mjf@worldnet.att.net>
Date: Thu, 17 Oct 2002 15:31:01 -0400
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-103249-2002.10.17-15.13.55--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

APRS has the form built in to it.
Hit N to see NTS and ALT N to send NTS.

I've used it. It is ACK'ed just like a one-liner.

So y'all will know whether it got there.

73 de Ronnie

----- Original Message -----
From: "Alex" <kr1st@amsat.org>
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Sent: Thursday, October 17, 2002 13:34
Subject: [aprssig] NTS radiogram

Hi there,

Mark, W4CHL, and the Phillips ARC started a very interesting project using APRS devices for ARES purposes in environments such as shelters. See:

http://www.rtpnet.org/phpBB2/viewtopic.php?t=57

He asked me if it was possible to send NTS radiograms using APRS. The APRS specs on page 75 describe the message format to transport a NTS radiogram on APRS.

What I was wondering about is if someone had success utilizing this feature?

Since a radiogram consist of at least 5 or 6 regular messages, it seems to me that the effectiveness of such a radiogram would be very much compromised in a typical RF APRS environment. Since delivery can not be guaranteed, would it even be worth while to implement such a feature in APRS client software?

Thank you and 73,
--Alex KR1ST

http://www.kr1st.com

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To unsubscribe send a blank email to leave-aprssig-842K@lists.tapr.org
Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

298. [aprssig] Re: Pen computer?

From: Glenn Little <glittle@awod.com>
Date: Thu, 17 Oct 2002 15:46:34 -0400
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-103254-2002.10.17-15.38.03--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

The ad states no OS, no drivers, no floppy. I just got off of the phone with Fujitsu. They can reimage the drive starting at $150.00 to include Win 95 and their pen-x software. There are no provisions to backup the drive to a floppy or other media. The FDD is propritory.

A good deal if you can use it. Too bad there is no OS.

73
Glenn
WB4UIV

At 09:08 AM 10/17/02 -0500, wes johnston wrote:
>Pen based computer for aprs? $59 + free shipping
>
>http://www.computersurplusoutlet.com/viewproduct.asp?ProductID=COM-FST500
>
>Wes
>
>
>---
>You are currently subscribed to aprssig as: GLITTLE@AWOD.COM
>To unsubscribe send a blank email to leave-aprssig-842K@lists.tapr.org
>Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

```
-------------------------------------------------------------------------
Glenn Little                         glittle@awod.com   QCWA  LM 28417
Amateur Callsign:  WB4UIV            wb4uiv@amsat.org   AMSAT LM 2178
QTH:  Goose Creek, SC USA (EM92xx)                      ARRL  TAPR
-------------------------------------------------------------------------
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Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

299. [aprssig] Re: NTS radiogram

From: "Roy Bost" <rbost@itexas.net>
Date: Thu, 17 Oct 2002 14:56:49 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-103255-2002.10.17-15.39.39--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

I just ran a test using WinAPRS. I sent 3 test messages. The first two I aborted as they were not being ack'ed. The third message was received by the intended station. He got it as a series of one line messages. When we looked in the NTS section of WinAPRS, he had received ALL three messages that I had sent. It seems then that WinAPRS will log ANY NTS message that it hears, that is sent via the WinAPRS format, which I assume is the proper NTS format, as the Log shows a completed NTS Radiogram. In my test, both stations were using WinAPRS. Hope this helps.

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To unsubscribe send a blank email to leave-aprssig-842K@lists.tapr.org
Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

300. [aprssig] How to run xastir on another LINUX machine

From: "Andrew Rich" <andrew.rich@bigpond.com>
Date: Fri, 18 Oct 2002 06:41:15 +1000
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-103261-2002.10.17-16.23.59--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

1. xhost + (on local machine)
2. telnet 172.93.1.100 (box with xastir on it)
3. DISPLAY=172.93.1.128:0.0 (our display)
4. export DISPLAY
5. xastir &

You are done !

works great

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301. [aprssig] Re: NTS radiogram

From: Bob Bruninga <bruninga@usna.edu>
Date: Thu, 17 Oct 2002 16:54:56 -0400 (EDT)

To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: TAPR APRS Special Interest Group <aprssig@lists.tapr.org>
Message-ID: <LYR842-103267-2002.10.17-16.37.44--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

```
On Thu, 17 Oct 2002, Peter "Dakota" Summerhawk wrote:

> Can the APRS network be used to send the NTS in the form of email? Or is
> that overloading the system as well? I know that the documentation is for
> short messages but id the format to log?


No, unless you have a clear channel on a different frequency,..  APRS is
designed to get single packets of information to ALMOST everyone
efficiently.  It is not good at getting multiple packets to ONE station
reliably if they must arrive in-order and without omission...

BOb



---
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```

302. [aprssig] Re: Schematic of remote battery sensing w/KPC-3 using the analog input?

From: Bob Bruninga <bruninga@usna.edu>
Date: Thu, 17 Oct 2002 16:57:39 -0400 (EDT)
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: TAPR APRS Special Interest Group <aprssig@lists.tapr.org>
Message-ID: <LYR842-103268-2002.10.17-16.40.32--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

```
On Thu, 17 Oct 2002, Mark Fellhauer wrote:

> >That is built into the protocol.  The labels, units and telemetry
> >equations can be transmitted over the air.  This makes for a custom
> >display for everyone that receives it.
>
> But the current SOFTWARE (Windows) doesn't really do anything with the
> telemetry.  Now WinAPRS has a graph function, but all it gives you is a
> graph.   It would like to be able to say:
>
> Make telemetry channel 1 voltage and label it thus.   Make telemetry
> channel 1 display as an analog like volt-meter with a high of 15 volts and
> a low of 5 volts.
>
> Marke telemetry channel 2 temperature and label it thus.  Make telemetry
> channel 2 display as a analog bar graph (analog thermometer) with a high of
> 120 degrees (F) and and low of -5 degrees (F)
>
> I would also like a manual calibration function so that slight variables
> can be taken care of in software.

Have  you tried sending it the 4 telemetry customization packets over the
air?  There are 4 packets that can be sent as a MSG or as a BULLETIN that
should cause all telemetry screens to show the correct LABELS, UNITS,
EQUATIONS and SCREEN LABEL.  Maybe WinAPRS never iimplemented this?

Its been in APRSdos since the mid 1995 time frame...

de WB4APR, Bob




---
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```

303. [aprssig] APRS Internet Servers

From: "Phil Pacier, AD6NH" <ad6nh@arrl.net>
Date: Thu, 17 Oct 2002 16:3:42
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-103269-2002.10.17-16.46.26--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

```
The following is a snip from a post I originally made on the UIView sig.
It is in regards to APRS Internet Server port standardization.  While I
```

realize that port standardization may not be possible given the scope of
the APRS IS, I have decided to give it a try. This is based on my 1.5
years as an APRS Server sysop, and there may be conflicts with your own
ideas. I welcome any comments!

Just for information purposes, here are a few general port
identifications:

10152 = world feed, full bi-directional (all servers)
10151 = world feed, full bi-directional w/30min dump (most servers)
1314 = world feed, bi-directional messages only (most servers)
14579 = regional feeds, full bi-directional (region according to
server location, i.e. aprsca.net:14579 is California,
aprswest.net:14579 is West US, etc.)
14580 = regional feeds, bi-directional messages only
23 = Core Server port OR CW/WX data only! **If you are not a CW/WX
station sending periodic data to the inter net, do not use port 23
except for connecting to the core servers! Use 10152 indstead**
10150 = Uni-directional SatGate port (available on aprsca.net only).
This port is for client > server feeding of SatGated data. No data is
sent back to the connected client. Useful for reducing bandwidth at
home stations that already have a main APRS computer.
2023 = This port is still in use on some systems for full feed
(ahubswe.net) but is being phased out as a main APRS port. New uses
for port 2023 include Non-Standard APRS networks. If you are
currently using 2023 to connect to a regular APRS port, please change
to 10152 ASAP to avoid loss of data.

Some servers that follow this config:
aprsca.net
aprswest.net
ahubeast.net

Check Roger Bille's stats page for more servers
http://www.ahubswe.net/aprs_stat.asp

Check individual pages for more information regarding local ports
(i.e. www.aprsca.net, www.aprswest.net, etc.)

Thanks, and 73
Phil Pacier - AD6NH
www.aprsca.net

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---

304. [aprssig] Re: How to run xastir on another LINUX machine

From: "Curt Mills, WE7U" <hacker@tc.fluke.com>
Date: Thu, 17 Oct 2002 14:13:50 -0700 (PDT)
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: TAPR APRS Special Interest Group <aprssig@lists.tapr.org>
Message-ID: <LYR842-103270-2002.10.17-16.56.31--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Change that to "Linux/Solaris/BSD/Mac OS X/S390 machine"! hi hi

On Fri, 18 Oct 2002, Andrew Rich wrote:

> 1. xhost + (on local machine)

Ummmm... That take's away all security on your X-display. Better
would be to type:

```
    xhost machinename
```

so that only the remote machine you're dealing with can write to the
display. This prevents _most_ people from snooping on your
X-display or starting up programs on it that you don't want.
Depends on how much security you require. If you have multiple
users on the machine you're connecting from, this still isn't enough
security.

> 2. telnet 172.93.1.100 (box with xastir on it)
> 3. DISPLAY=172.93.1.128:0.0 (our display)
> 4. export DISPLAY

These three steps can be simplified greatly if you're running SSH and SSHD. Just type:

```
     ssh 172.93.1.100
```

It'll log you in and set your display variable for you. One stop shopping! Of course you have to set up each machine properly first for SSH but it'll save you time later.

You can also run ssh-agent to simplify things/speed things up, particularly if you also chose a passphrase to go along with your public/private SSH keys. ssh-agent will supply that passphrase to each SSH connection automatically.

> 5. xastir &

The revised method for security/ease-of-use would be:

```
  1. xhost remotemachinename
  2. ssh 172.93.1.100 (or ssh hostname)
  3. xastir &
```

I use a similar method to start up more than one copy of Xastir on one box:

```
  1. xhost localhost
  2. su newusername
  3. xastir &
```

As long as you're not trying to talk directly to the same serial ports, multiple copies of Xastir run as different users can co-exist, and they pull from the same map directories. They can share the same AX.25 kernel interfaces and connect to the same internet feeds.

Fun stuff, this free software, isn't it?

--
Curt Mills, WE7U   hacker_NO_SPAM_@tc.fluke.com
Senior Methods Engineer/SysAdmin
"Lotto: A tax on people who are bad at math!"
"Windows: Microsoft's tax on computer illiterates!" -- WE7U
"The world DOES revolve around me: I picked the coordinate system!"

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305. [aprssig] Re: Schematic of remote battery sensing w/KPC-3 using the analog input?

From: Roger Barker <roger@peaksys.co.uk>
Date: Thu, 17 Oct 2002 22:15:25 +0100
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-103271-2002.10.17-16.58.49--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

In article <LYR26954-103248-2002.10.17-14.57.45--roger#peaksys.co.uk@lists.tapr.org>, Mark Fellhauer <sparkfel@qwest.net> writes
[snip]
> It would like to be able to say:
>
>Make telemetry channel 1 voltage and label it thus.   Make telemetry
>channel 1 display as an analog like volt-meter with a high of 15 volts and
>a low of 5 volts.
>
>Marke telemetry channel 2 temperature and label it thus. Make telemetry
>channel 2 display as a analog bar graph (analog thermometer) with a high of
>120 degrees (F) and and low of -5 degrees (F)
>
>I would also like a manual calibration function so that slight variables
>can be taken care of in software.

I spent some time recently "playing" with telemetry decoding, and wrote a plug-in for UI-View32 that allows full manual configuration of

telemetry decoding on a per-callsign basis. It also captures any
"BITS.", "PARM.", "UNIT." and "EQNS." messages it sees, so fully
automatic configuration of the various decoding parameters is possible.

Over a weekend, I found more than 50 stations transmitting telemetry,
and only about six stations transmitting decoding information in
messages, most of which were complete junk. In some cases, I doubt if
the operators concerned knew they were transmitting the messages,
because they weren't transmitting any telemetry.

In the end I had precisely two telemetry transmissions I could decode -
one from a digi in the USA for which I knew the equations, etc, so I
could configure it manually, and the other from a KPC-3 digi in the UK,
where the operator kindly responded to my request to put the decoding
information messages in the LT buffers.

I finished up so unenthusiastic, that, other than for giving the plug-in
to a few users to test, I couldn't even be bothered to release it!

--
Roger Barker, G4IDE - roger@peaksys.co.uk
For UI-View go to - http://www.UI-View.com
For WinPack go to - http://www.peaksys.co.uk

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---

306. [aprssig] Speed bug in the D7A

From: "Byon Garrabrant" <byon@byon.com>
Date: Thu, 17 Oct 2002 14:24:02 -0700
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-103273-2002.10.17-17.06.37--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

The last time I went flying with some friends, I took along a
TinyTrakII and my D7A, and I noticed that the speed displayed on the
D7A was wrong. I assumed it was a bug in the TinyTrakII when the
speed was greater than 100.

I just tested this again and found that in APRS text mode everything
works fine, but in MIC-E mode, it appears that the hundreds digit is
ignored. I pasted the TinyTrakII generated packet into APRSDECD, and
the data looks good. So I think the D7A, and perhaps even the D700,
has a bug that ignores the hundred digit of the speed in MIC-E format
packets.

Can anyone confirm this? Is it a known problem?

Thanks,
Byon

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---

307. [aprssig] Re: How to run xastir on another LINUX machine

From: Chuck Byam <cbyam@virginia.edu>
Date: 17 Oct 2002 17:28:54 -0400
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-103275-2002.10.17-17.11.44--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

On Thu, 2002-10-17 at 16:41, Andrew Rich wrote:
> 1. xhost + (on local machine)
> 2. telnet 172.93.1.100 (box with xastir on it)
> 3. DISPLAY=172.93.1.128:0.0 (our display)
> 4. export DISPLAY
> 5. xastir &
>
VNC may be an option as well... as with any remote graphical access,
your mileage may very depending on your available bandwidth.

Chuck, KG4IJB

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308. [aprssig] Re: Pen computer?

From: "Mark Fellhauer" <sparkfel@qwest.net>
Date: Thu, 17 Oct 2002 16:45:17 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-103277-2002.10.17-17.29.16--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

At 02:46 PM 10/17/02, Glenn Little wrote:

>The ad states no OS, no drivers, no floppy. I just got off of the phone
>with Fujitsu. They can reimage the drive starting at $150.00 to include
>Win 95 and their pen-x software. There are no provisions to backup the
>drive to a floppy or other media. The FDD is propritory.
>
>A good deal if you can use it. Too bad there is no OS.
>
>73
>Glenn
>WB4UIV
>
>At 09:08 AM 10/17/02 -0500, wes johnston wrote:
>>Pen based computer for aprs? $59 + free shipping

I would avoid buying the Fujitsu Stylistic 500's... Especially when you can Pick up a 1200 (or 2300) for not much more.   I got my Stylistic 1200 WITH a docking station for I think $122.00 total.

If you dig around on the Internet, you can find ALL the drivers for the various Fujitsu pentabs, even the screen-rotate software.   If you buy a 1200 I have all the drivers on a hard drive somewhere...

Furthermore, no OS and no floppy is NO PROBLEM.   Go down to your local screwdriver shop and buy a $5.95 3.5-to-2.5 inch hard drive adapter. Pop the drive out of the Fuj' and put it in a desktop computer.   It might even be time to put in a larger hard drive, just be aware of BIOS/OS drive limitations and drive maximum thickness... At this point I would write zeros to the drive and test it (get GWSCAN from Gateway's web site).   FDISK & Reformat the drive (maybe even sys it) and copy Win95 or Win98 cabs on the 2.5 inch hard drive. (don't put Win98 on a Stylistic 500 unless you want a DOG SLOW system).

You'll probably need some sort of NIC (like a PCMCIA NIC) to get additional software on the system (or a parallel port floppy or CD ROM).   Install that driver now too. If you're installing Win98 and the Fuj has IRDA and you have another computer or Pocket PC with IRDA, you can forgo this and send additional software or drivers initially via IRDA.   I have a PCMCIA and USB ethernet adapter for my 1200, but most of the time I use an 802.11b ORiNOCO Gold Card on this system.   Wireless is the way to go.

Put the drive back in the Fujitsu and run setup.   You're in business.   It really is easier than it sounds, and you'll have acquired a useful skill.   I know people who are MCSE and CNA/CNE certified (MIS Grad Students) who can not FDISK and Format a hard drive... As long as that is the case, I'll always have a job. :)

It's too bad the Fujitsus don't have a boot to PCMCIA drive as a BIOS option, or it'd be a much easier task...

73,

Mark
KC7BXS

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```

---

309. [aprssig] Re: Back from training!

```
From: "Ken Patterson" <kenp@etex.net>
Date: Thu, 17 Oct 2002 21:58:18 +0100
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-103278-2002.10.17-17.40.36--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain
```

```
Stephen is right.

If you *really* want automatic page reloading,  I would suggest that
you use a web browser called Opera. Once installed, go to the
Navigation / Load Every... tab & select your reload rate.

de Ken
N5EQT
----- Original Message -----
From: <WA8LMF2@aol.com>
To: "TAPR APRS Special Interest Group" <aprssig>
Cc: <needhame>
Sent: Thursday, October 17, 2002 18:22
Subject: [aprssig] Re: Back from training!


> In a message dated 10/17/2002 10:18:08 AM Pacific Daylight Time,
> needhame@yucca.net writes:
>
> > he page (
> >  http://www.findu.com/cgi-bin/find.cgi?kd5xb-10 ) used to
automatically
> >  refresh itself every 3 minutes and it doesn't seem to do so now.
Is there
> >  a switch or something I can use to get an automatic refresh
going?
>
> No.  Steve changed the page to reduce the loading on Mapblast's
server to
> lessen the chance that Mapblast will cut off out freebie access to
the server
> entirely.
>
> Stephen H. Smith                   wa8lmf @ aol.com
> Home Page:                                        http://wa8lmf.com
> Ham Radio/Mobile SSTV page:     http://members.aol.com/wa8lmf/ham
> APRS Stuff
> http://members.aol.com/wa8lmf/aprs
> ----------------------------------------------------------------------
----------
>
> ----------
> |    Radio Communications Systems       Personal Computers
> |                Consulting and Systems Integration
> |    GPS Custom Mapping    &     Radio Coverage Surveys
> |    File Conversions       MS-Windows Setups       Networking
> ----------------------------------------------------------------------
----------
>
> -----------
>
> ---
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>
>



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```

---

310. [aprssig] Re: How to run xastir on another LINUX machine

```
From: David L Norris <kg9ae@webaugur.com>
Date: 18 Oct 2002 17:55:38 +0500
```

To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: "TAPR APRS Special Interest Group <aprssig@lists.tapr.org>
<LYR26593-103261-2002.10.17-16.23.59--kg9ae#webaugur.com@lists.tapr.org>"
<LYR26593-103261-2002.10.17-16.23.59--kg9ae#webaugur.com@lists.tapr.org>
Message-ID: <LYR842-103292-2002.10.17-18.39.50--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

```
On Fri, 2002-10-18 at 01:41, Andrew Rich wrote:
> 1. xhost + (on local machine)
> 2. telnet 172.93.1.100 (box with xastir on it)
> 3. DISPLAY=172.93.1.128:0.0 (our display)
> 4. export DISPLAY
> 5. xastir &

Or!
1. ssh 172.93.1.100
2. xastir &

Not only more secure but easier.  This, of course, assumes SSH is setup
for tunneling properly on both systems. (Works by default on all my
Redhat systems.  Even with Windows as the DISPLAY machine using Putty &
Exceed. :-)

--
 David Norris, ARS: KG9AE
  KG9AE's Web - http://www.webaugur.com/dave/kg9ae/
  ICQ - 412039

---
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Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org
```

311. [aprssig] Re: How to run xastir on another LINUX machine

From: Curt Mills <hacker@tc.fluke.com>
Date: Thu, 17 Oct 2002 16:24:37 -0700 (PDT)
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-103293-2002.10.17-19.07.16--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

```
On Thu, 17 Oct 2002, Curt Mills, WE7U wrote:

> The revised method for security/ease-of-use would be:
>
>   1. xhost remotemachinename
>   2. ssh 172.93.1.100 (or ssh hostname)
>   3. xastir &

Oops.  The post from David Norris reminded me that step 1) is not
needed either with SSH.

--
Curt Mills, WE7U                    hacker_NO_SPAM_@tc.fluke.com
Senior Methods Engineer/SysAdmin
"Lotto:    A tax on people who are bad at math!"
"Windows:  Microsoft's tax on computer illiterates!" -- WE7U
"The world DOES revolve around me:  I picked the coordinate system!"


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```

312. [aprssig] Re: Schematic of remote battery sensing w/KPC-3 using the analog input?

From: Bob Bruninga <bruninga@usna.edu>
Date: Thu, 17 Oct 2002 19:45:06 -0400 (EDT)
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: TAPR APRS Special Interest Group <aprssig@lists.tapr.org>
Message-ID: <LYR842-103296-2002.10.17-19.27.48--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

```
On Thu, 17 Oct 2002, Roger Barker wrote:

> I spent some time recently "playing" with telemetry decoding, and wrote
> a plug-in for UI-View32 that allows full manual configuration of
> telemetry decoding on a per-callsign basis. It also captures [the]
> "BITS.", "PARM.", "UNIT." and "EQNS." messages it sees, so fully
> automatic configuration of the various decoding parameters is possible.
> Over a weekend, I found more than 50 stations transmitting telemetry,
```

> and only about six stations transmitting decoding information in
>
> I finished up so unenthusiastic, that, other than for giving the plug-in
> to a few users to test, I couldn't even be bothered to release it!

Thanks for the effort. It is amazing to me that every KPC-3+, MIM module and Mic-E on the air has the potential for sending 5 channels of routine analog telemetry and yet so few hams use it. I think it is because WinAPRS never fully implemented telemetry decoding and so most of the newcomers to APRS have no idea of its potential.

But as UIview grows and those people who still use APRSdos and have seen telemetry, I hope to see more use of it. SUNSAT and PCsat and STARSHINE satellites all used APRS telemetry format and we have 3 more satellites in work that will use it..

Thanks...
Bob

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313. [aprssig] Re: WX station

From: "Demetre Valaris" <sv1uy@bbs.sv1uy.ampr.org>
Date: Fri, 18 Oct 2002 02:49:27 +0300
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: TAPR APRS Special Interest Group <aprssig@lists.tapr.org>,
almoner@otenet.gr
Message-ID: <LYR842-103297-2002.10.17-19.32.28--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

On 17 Oct 2002 at 10:26, Curt Mills, WE7U wrote:

> On Thu, 17 Oct 2002, Demetre Valaris wrote:
>
> > Sorry guys I meant a WMR918 WX station to DIGI_NED ???
> > The one with the censors having radio links for the sensors!!!
>
> If you're running it on Linux, Xastir along with the wx200d daemon
> will handle that particular weather station.
>
> If you're running digi_ned on DOS, I can't help you.
>
> See http://www.eskimo.com/~archer/xastir.html to read about what
> weather stations/maps/TNC's Xastir will handle.
>
> --
> Curt Mills, WE7U   hacker_NO_SPAM_@tc.fluke.com
> Senior Methods Engineer/SysAdmin
> "Lotto: A tax on people who are bad at math!"
> "Windows: Microsoft's tax on computer illiterates!" -- WE7U
> "The world DOES revolve around me: I picked the coordinate system!"
>
>

Dear Curt,

On behalf of my friend SV8BUR and myself, thanks so much for your help. I believe Periklis will be able to resolve his problem with your pointer. He has just migrated from W98 to Linux!!!

73 de Demetre SV1UY
e-mail sv1uy@sv1uy.ampr.org
http://www.athnet.ampr.org/~sv1uy

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314. [aprssig] WinAPRS maps

From: "Chris Rose" <kb8uih@arrl.net>
Date: Thu, 17 Oct 2002 22:53:35 -0400
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-103312-2002.10.17-22.36.54--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Can someone help me with maps for WinAPRS? I need any for Michigan, Great
Lakes area, Ohio, Indiana, Illinois, Wisconsin, Ontario, etc. The Sproul's
Rutgers site is not accessable or I am having trouble getting to it. Can
someone send me the URL if they can get to it? TAPR doesn't seem to have
the maps I am looking for.

Thanks in advance,

Chris
KB8UIH

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315. [aprssig] Re: telemetry -was- Re: Schematic of remote battery sensing w/KPC-3 using the analog input?

From: Bill Herrmann <bherrman@spro.net>
Date: Thu, 17 Oct 2002 23:33:41 -0600
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-103329-2002.10.18-01.47.49--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

At 07:45 PM 10/17/02 -0400, Bob Bruninga wrote:
>But as UIview grows and those people who still use APRSdos and have seen
>telemetry, I hope to see more use of it. SUNSAT and PCsat and STARSHINE
>satellites all used APRS telemetry format and we have 3 more satellites in
>work that will use it..

There's at least 3-4 stations in the area that use it. One is a 100%
solar-powered repeater site that is inaccessible all winter long. They
transmit battery and charge voltage and use the telemetry to monitor
trends. If conditions get bad enough they can drop about 95% of the load
via the repeater controller. It works very well for that.

Bill
KD7MJC

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Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

316. [aprssig] Re: Schematic of remote battery sensing w/KPC-3 using the analog input?

From: "Andrew Rich" <andrew.rich@bigpond.com>
Date: Fri, 18 Oct 2002 16:36:05 +1000
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-103331-2002.10.18-02.18.52--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

How is thing going Bob ?

What is on the horizon for APRS Sats?

-----Original Message-----
From: bounce-aprssig-30130@lists.tapr.org
[mailto:bounce-aprssig-30130@lists.tapr.org]On Behalf Of Bob Bruninga
Sent: Friday, 18 October 2002 09:45
To: TAPR APRS Special Interest Group
Cc: TAPR APRS Special Interest Group
Subject: [aprssig] Re: Schematic of remote battery sensing w/KPC-3 using
the analog input?

On Thu, 17 Oct 2002, Roger Barker wrote:

> I spent some time recently "playing" with telemetry decoding, and wrote
> a plug-in for UI-View32 that allows full manual configuration of

> telemetry decoding on a per-callsign basis. It also captures [the]
> "BITS.", "PARM.", "UNIT." and "EQNS." messages it sees, so fully
> automatic configuration of the various decoding parameters is possible.
> Over a weekend, I found more than 50 stations transmitting telemetry,
> and only about six stations transmitting decoding information in
>
> I finished up so unenthusiastic, that, other than for giving the plug-in
> to a few users to test, I couldn't even be bothered to release it!

Thanks for the effort. It is amazing to me that every KPC-3+, MIM module
and Mic-E on the air has the potential for sending 5 channels of routine
analog telemetry and yet so few hams use it. I think it is because
WinAPRS never fully implemented telemetry decoding and so most of the
newcomers to APRS have no idea of its potential.

But as UIview grows and those people who still use APRSdos and have seen
telemetry, I hope to see more use of it. SUNSAT and PCsat and STARSHINE
satellites all used APRS telemetry format and we have 3 more satellites in
work that will use it..

Thanks...
Bob

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To unsubscribe send a blank email to leave-aprssig-842K@lists.tapr.org
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---

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Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

317. [aprssig] Re: telemetry -was- Re: Schematic of remote battery sensing w/KPC-3 using the analog input?

From: Roger Barker <roger@peaksys.co.uk>
Date: Fri, 18 Oct 2002 09:56:36 +0100
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-103344-2002.10.18-04.39.27--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

In article <LYR26954-103329-2002.10.18-01.47.49--roger#peaksys.co.uk@lists.tapr.org>, Bill Herrmann <bherrman@spro.net> writes
>At 07:45 PM 10/17/02 -0400, Bob Bruninga wrote:
>>But as UIview grows and those people who still use APRSdos and have seen
>>telemetry, I hope to see more use of it. SUNSAT and PCsat and STARSHINE
>>satellites all used APRS telemetry format and we have 3 more satellites in
>>work that will use it..
>
>There's at least 3-4 stations in the area that use it. One is a 100%
>solar-powered repeater site that is inaccessible all winter long. They
>transmit battery and charge voltage and use the telemetry to monitor
>trends. If conditions get bad enough they can drop about 95% of the load
>via the repeater controller. It works very well for that.

I think the question is (or at least it's the question I was trying to
address) - How much decoding of telemetry can telemetry users reasonably
expect to see in APRS clients, when, by not transmitting the decoding
information, their telemetry will forever remain a mystery to everyone
except themselves?

A quick look at my system shows that I have received telemetry from 49
different callsigns in the past 24 hours (all via the internet). In the
past two weeks I have received decoding information, in messages
formatted according to the APRS spec, from precisely nine stations, and
nearly all of it is junk. The result is that, relying on "off-air"
decoding information, I can decode the telemetry from *one* station, and
that's the digi where I asked the operator if he could start
transmitting the decoding information messages.

So really, I think the first step towards getting more interest in
telemetry, and better support for it, needs to be for some of the users
to start transmitting the decoding information. Ok, seeing "Battery:
12.5V" on the screen might not be very interesting, but it's better than
"Analogue 1: 125".

```
--
Roger Barker, G4IDE - roger@peaksys.co.uk
For UI-View go to - http://www.UI-View.com
For WinPack go to - http://www.peaksys.co.uk

---
You are currently subscribed to aprssig as: lyris.aprssig@tapr.org
To unsubscribe send a blank email to leave-aprssig-842K@lists.tapr.org
Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org
```

318. Your confirmation is needed (ok 842)

From: Lyris <unsubscribe-confirm@lists.tapr.org>
Date: Fri, 18 Oct 2002 05:58:28 -0500
To: lyris.aprssig@tapr.org
Message-ID: <LYR842-103350-2002.10.18-05.58.28--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

```
Your email address 'lyris.aprssig@tapr.org' has been submitted to be
unsubscribed from the 'aprssig' mailing list.

This unsubscribe command requires your confirmation that you want to be
unsubscribed.

To confirm that you do want to unsubscribe, reply to this message so that
the words "ok 842" appear somewhere on the subject line.

Make sure that your reply message is addressed to
unsubscribe-confirm@lists.tapr.org

You will receive notification that your confirmation has been received, and
that you have been unsubscribed.

If you do not want to unsubscribe, do nothing.  You will be kept on the
mailing list.

---

Return-Path: <atinc@grabmail.com>
Return-Path: atinc@grabmail.com
Received: from linuxmail.org ([66.81.19.173]) by lists.tapr.org with SMTP (Lyris Server version 3.0);
Fri, 18 Oct 2002 05:58:19 -0500
Received: from linuxmail.org by 4X8FHG.linuxmail.org with SMTP for leave-aprssig-842k@lists.tapr.org;
Fri, 18 Oct 2002 03:39:18 -0800
From: atinc@grabmail.com
Subject:
Message-Id: <VH2YTB5C.57YKFVTM.atinc@grabmail.com>
Importance: Normal
X-Priority: 3 (Normal)
Content-Transfer-Encoding: 8BIT
To: aprssig-request
Reply-To: atinc@grabmail.com
Date: Fri, 18 Oct 2002 03:39:18 -0800
X-Mailer: AOL 6.0 for Windows US sub 10568
X-Sender: atinc@grabmail.com
Content-Type: text/html; charset=iso-8859-1

# Mail sent to leave-aprssig-842k was converted to these commands:
unsubscribe aprssig lyris.aprssig@tapr.org confirm
end

# This is the text of the message that triggered the action:

Return-Path: <atinc@grabmail.com>
Received: from linuxmail.org ([66.81.19.173]) by lists.tapr.org with SMTP (Lyris Server version 3.0);
Fri, 18 Oct 2002 05:58:19 -0500
From: atinc@grabmail.com
Subject: Cash In On Low Interest!
Message-Id: <VH2YTB5C.57YKFVTM.atinc@grabmail.com>
Received: from linuxmail.org by 4X8FHG.linuxmail.org with SMTP for leave-aprssig-842k@lists.tapr.org;
Fri, 18 Oct 2002 03:39:18 -0800
Importance: Normal
X-Priority: 3 (Normal)
Content-Transfer-Encoding: 8BIT
To: leave-aprssig-842k@lists.tapr.org
Reply-To: atinc@grabmail.com
Return-Path: atinc@grabmail.com
Date: Fri, 18 Oct 2002 03:39:18 -0800
X-Mailer: AOL 6.0 for Windows US sub 10568
```

```
X-Sender: atinc@grabmail.com
Content-Type: text/html; charset=iso-8859-1

<html>

<head>
<meta http-equiv="Content-Type" content="text/html; charset=windows-1252">
<title>SAVE ON YOUR EXISTING MORTGAGE</title>
</head>

<body>
<img src="http://jupuy.com/cgi-bin/statSend.asp?camp=1629-004e" border="0" height="1" width="1">
<div>
  <font size="2"><font size="3"><strong>SAVE ON YOUR EXISTING MORTGAGE!<br>
  </strong>&nbsp; </font>
  <table id="AutoNumber1" style="BORDER-COLLAPSE: collapse" borderColor="#ffffff" cellSpacing="0"
cellPadding="0" width="60%" border="1">
    <tr>
      <td width="100%">If you haven�t taken the time to look at mortgage prices
      recently, you�re probably paying too much. This is the biggest borrowers
      market in decades, allowing more people to give up the rental lifestyle
      and settle into the dream of homeownership, or refinance, save thousands
      and get immediate cash!&nbsp; Let our lenders show you what better opportunity
      is out there for you.</td>
    </tr>
  </table>
  </font>
</div>
<div>
  &nbsp;</div>
<div>
  <font size="2">REFINANCE Customers&nbsp; <u>
  <a href="http://jupuy.com/cgi-bin/home.asp?camp=1629-004">Select Here&nbsp;</a> </u>
  </font>
</div>
<div>
  &nbsp;</div>
<div>
  <font size="2">PURCHASE&nbsp;Customers&nbsp;&nbsp;<u><a
href="http://jupuy.com/cgi-bin/home.asp?camp=1629-005">Select
  Here</a></u></font></div>
<p>&nbsp;</p>
<p>&nbsp;</p>
<p>&nbsp;</p>
<p>&nbsp;</p>
<table border="0" cellpadding="0" cellspacing="0" style="border-collapse: collapse"
bordercolor="#111111" width="96%" id="AutoNumber2">
  <tr>
    <td width="100%"><font size="1" face="Arial">Your email address was obtained from an opt-in list.
    If you wish to be taken off this list, please
    <a href="http://jupuy.com/cgi-bin/home.asp?camp=1629-004&rem=1" onMouseOver="window.status='Remove
Me Please';return true" onMouseOut="window.status='';return true"> Select Here. </a>
    If you have previously dealt with this matter and are still receiving this message, you may call our
 Abuse Control Center at 1-866-667-5399,
     or write us at: RAI PO Box 72905 Richmond, VA 23235-8022.</font></td>
  </tr>
</table>

</body>

</html>
```

---

319. Cash In On Low Interest!

From: acparker@pennmail.com
Date: Fri, 18 Oct 2002 04:41:05 -0800
To: wa1lou@tapr.org
Message-ID: <NAHB9M0HWX1Q.5C47WM8DEGLA5X.acparker@pennmail.com>
Rendered body type: text/html

```
SAVE ON YOUR EXISTING MORTGAGE

SAVE ON YOUR EXISTING MORTGAGE!



If you haven�t taken the time to look at mortgage prices
recently, you�re probably paying too much. This is the biggest borrowers
market in decades, allowing more people to give up the rental lifestyle
and settle into the dream of homeownership, or refinance, save thousands
```

and get immediate cash! Let our lenders show you what better opportunity
is out there for you.

REFINANCE Customers
Select Here <http://jupuy.com/cgi-bin/home.asp?camp=1629-004>

PURCHASE Customers Select
Here <http://jupuy.com/cgi-bin/home.asp?camp=1629-005>

Your email address was obtained from an opt-in list.
If you wish to be taken off this list, please
Select Here. <http://jupuy.com/cgi-bin/home.asp?camp=1629-004&rem=1>
If you have previously dealt with this matter and are still receiving this message, you may call our
Abuse Control Center at 1-866-667-5399,
or write us at: RAI PO Box 72905 Richmond, VA 23235-8022.

320. [aprssig] Re: Schematic of remote battery sensing w/KPC-3 using the analog input?

From: Bob Bruninga <bruninga@usna.edu>
Date: Fri, 18 Oct 2002 09:07:00 -0400 (EDT)
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: TAPR APRS SIG <aprssig@lists.tapr.org>
Message-ID: <LYR842-103373-2002.10.18-08.50.04--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

```
On Fri, 18 Oct 2002, Andrew Rich wrote:

> How is thing going Bob ?

12-16 hour days, sleeping at the office, etc...
>
> What is on the horizon for APRS Sats?

See my sateellite web pages.  Lots in planing, but you never konw...
http://www.ew.usna.edu/~bruninga/satstation.html

bob
>
> -----Original Message-----
> But as UIview grows and those people who still use APRSdos and have seen
> telemetry, I hope to see more use of it.  SUNSAT and PCsat and STARSHINE
> satellites all used APRS telemetry format and we have 3 more satellites in
> work that will use it..


---
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```

321. [aprssig] Re: telemetry -was- Re: Schematic of remote battery sensing w/KPC-3 using the analog input?

From: Bob Bruninga <bruninga@usna.edu>
Date: Fri, 18 Oct 2002 09:12:51 -0400 (EDT)
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: TAPR APRS Special Interest Group <aprssig@lists.tapr.org>
Message-ID: <LYR842-103374-2002.10.18-08.55.39--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

```
On Fri, 18 Oct 2002, Roger Barker wrote:

> I think the question is (or at least it's the question I was trying to
> address) - How much decoding of telemetry can telemetry users reasonably
> expect to see in APRS clients, when, by not transmitting the decoding
> information, their telemetry will forever remain a mystery to everyone
> except themselves?
```

I guess the reason is that it takes 4 packets and there is not an easy
way to put all of those in the TNC... OOPS. HAULT. Ah HA! Yes, every
KPC-3+ that can do telemetry also has FOUR LT buffers. So simply load
the four TElemetry formats in those four LT buffers and set it to once
every 4 hours or so (to minimize channel loading) and set the LT paths to
DIRECT (so you dont burden the whole state) and that does it!

Neato...

Great.
Bob, WB4APR

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322. [aprssig] Location Queries

From: Bob Bruninga <bruninga@usna.edu>
Date: Fri, 18 Oct 2002 09:32:42 -0400 (EDT)
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: aprsnews@lists.tapr.org
Message-ID: <LYR842-103378-2002.10.18-09.15.42--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

NEW IDEA!

How about we implement a GENERAL HEARD QUERY that works as follows:

Sending station sends ?APRSH?cccccc

And every station within range that has heard station cccccc DIRECT
responds (with a random 1 minute time delay) with the normal response to
a directed APRSH query. (no report if not heard direct).

Then the SENDING station's APRS can simply plot the PHG's of responding
stations and color them solid to show the area in which the missing
station can be found. Brighter colors for more packets and most recently
heard...

The multicolor PHG plots would use a similar scale of colors that
APRSdos uses (for example) to show signal strength contours in omni-dfing.
Thus the location of the largest number of stations that heard the
missing station the most recently would be bright red and those that
havent heard him for a while would be more and more dark and gray....

Hummh...

de WB4APR@amsat.org, Bob

PCsat WEB page	http://www.ew.usna.edu/~bruninga/pcsat.html
ISS-APRS FAQ:	http://www.ew.usna.edu/~bruninga/iss-faq.html
CUBESAT Designs	http://www.ew.usna.edu/~bruninga/cubesat.html
APRS LIVE pages	http://www.ew.usna.edu/~bruninga/aprs.html
APRS SATELLITES	http://www.ew.usna.edu/~bruninga/astars.html
MIM/Mic-E/Mic-Lite	http://www.toad.net/~wclement/bruninga/mic-lite.html

---

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Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

323. [aprssig] Re: APRS Internet Servers

From: "Gregg G. Wonderly" <gregg@skymaster.cytetech.com>
Date: Fri, 18 Oct 2002 09:35:53 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: TAPR APRS Special Interest Group <aprssig@lists.tapr.org>
Message-ID: <LYR842-103398-2002.10.18-10.18.43--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

>The following is a snip from a post I originally made on the UIView sig.
>It is in regards to APRS Internet Server port standardization. While I
>realize that port standardization may not be possible given the scope of
>the APRS IS, I have decided to give it a try. This is based on my 1.5
>years as an APRS Server sysop, and there may be conflicts with your own

>ideas. I welcome any comments!

It would be nice if someone would apply to the assigned numbers group for
specific ports with specific names so that the use is documented and reserved.
Then, any use of ports such as 23, should be in parallel with another port so
that firewall isolated clients can use 23 if that works for them, but
otherwise, servers without the ability to override the use of 23 would use the
standard port for that service.

-----
gregg@cytetech.com (Cyte Technologies Inc)

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---

324. [aprssig] KPC3 v8.2 EPROM

From: Len Revelle <lenrev@ameritech.net>
Date: Fri, 18 Oct 2002 16:40:21 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-103469-2002.10.18-17.23.07--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

I want to put a digi on a near-by water tower. All too
familiar with the traffic here, I need to use the donated
KPC3 (not a +) with v8.2 firmware to eliminate dupes and
such. Unfortunately Kantronics says the firmware is no
longer available.

Does anyone know where I might get either a burned (or
original) EPROM or the code to have one burned? TIA
Len Revelle   N9IJ
lenrev@ameritech.net
AMA 60055   LSF 7492
My career goal is to retire.

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To unsubscribe send a blank email to leave-aprssig-842K@lists.tapr.org
Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

---

325. [aprssig] Whats this is the APRS Stream ?

From: "Andrew Rich" <andrew.rich@bigpond.com>
Date: Sat, 19 Oct 2002 08:28:34 +1000
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-103473-2002.10.18-18.11.18--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

qAS

```
VK3MY-9>SW51Q6,RELAY,TRACE2-2,qAS,VK3SB:
'I-um#8>/]"6A}

VK2YX-9>3S46P4,RELAY,TRACE3-3,qAS,VK2XJG:
'NJ!mz&K\]"4B}ThunderBird 1. Mr Sandman
```

You are currently subscribed to aprssig as: lyris.aprssig@tapr.org
To unsubscribe send a blank email to leave-aprssig-842K@lists.tapr.org
Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

---

326. [aprssig] Re: Whats this is the APRS Stream ?

From: Robbie <mwrobertson@attbi.com>
Date: Fri, 18 Oct 2002 18:27:42 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: TAPR APRS Special Interest Group <aprssig@lists.tapr.org>
Message-ID: <LYR842-103480-2002.10.18-19.10.28--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Hi Andrew,

Try this site to explain better than I could, hi

http://www.aprs-is.net/q.htm

Robbie, wa9inf

Andrew Rich wrote:
>
> qAS
>
> VK3MY-9>SW51Q6,RELAY,TRACE2-2,qAS,VK3SB:
> 'I-um#8>/]"6A}
>
> VK2YX-9>3S46P4,RELAY,TRACE3-3,qAS,VK2XJG:
> 'NJ!mz&K\]"4B}ThunderBird 1. Mr Sandman
>
> ---
> You are currently subscribed to aprssig as: mwrobertson@attbi.com
> To unsubscribe send a blank email to leave-aprssig-842K@lists.tapr.org
> Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

---
You are currently subscribed to aprssig as: lyris.aprssig@tapr.org
To unsubscribe send a blank email to leave-aprssig-842K@lists.tapr.org
Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

327. Your confirmation is needed (ok 842)

From: Lyris <unsubscribe-confirm@lists.tapr.org>
Date: Fri, 18 Oct 2002 20:44:10 -0500
To: lyris.aprssig@tapr.org
Message-ID: <LYR842-103490-2002.10.18-20.44.10--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Your email address 'lyris.aprssig@tapr.org' has been submitted to be
unsubscribed from the 'aprssig' mailing list.

This unsubscribe command requires your confirmation that you want to be
unsubscribed.

To confirm that you do want to unsubscribe, reply to this message so that
the words "ok 842" appear somewhere on the subject line.

Make sure that your reply message is addressed to
unsubscribe-confirm@lists.tapr.org

You will receive notification that your confirmation has been received, and
that you have been unsubscribed.

If you do not want to unsubscribe, do nothing. You will be kept on the
mailing list.

Return-Path: <apetty@hotpop.com>
Return-Path: apetty@hotpop.com
Received: from email.37.com ([66.81.176.149]) by lists.tapr.org with SMTP (Lyris Server version 3.0);
Fri, 18 Oct 2002 20:44:00 -0500
Received: from email.37.com by 937J7T1FE04B8O.email.37.com with SMTP for
subscribe-aprssig@lists.tapr.org; Fri, 18 Oct 2002 18:24:59 -0800
Content-Transfer-Encoding: 8BIT
Content-Type: text/html; charset=iso-8859-1
From: apetty@hotpop.com
Message-Id: <5LI99R138T8.0LJB3V5QQG6N52.apetty@hotpop.com>
To: aprssig-request
Date: Fri, 18 Oct 2002 18:24:59 -0800
X-Sender: apetty@hotpop.com
Reply-To: apetty@hotpop.com
Subject:
X-Priority: 3
X-Mailer: Netscape 4.6.1

# Mail sent to leave-aprssig-842k was converted to these commands:
unsubscribe aprssig lyris.aprssig@tapr.org confirm
end

# This is the text of the message that triggered the action:

Return-Path: <apetty@hotpop.com>
Received: from email.37.com ([66.81.176.149]) by lists.tapr.org with SMTP (Lyris Server version 3.0);
Fri, 18 Oct 2002 20:44:00 -0500
Content-Transfer-Encoding: 8BIT
Content-Type: text/html; charset=iso-8859-1

```
From: apetty@hotpop.com
Received: from email.37.com by 937J7T1FE04B8O.email.37.com with SMTP for
subscribe-aprssig@lists.tapr.org; Fri, 18 Oct 2002 18:24:59 -0800
Message-Id: <5LI99R138T8.0LJB3V5QQG6N52.apetty@hotpop.com>
To: subscribe-aprssig@lists.tapr.org
Date: Fri, 18 Oct 2002 18:24:59 -0800
X-Sender: apetty@hotpop.com
Reply-To: apetty@hotpop.com
Subject: How Low Can Rates Go
X-Priority: 3
X-Mailer: Netscape 4.6.1
Return-Path: apetty@hotpop.com

<HTML>
<HEAD>
<TITLE>1681-001</TITLE>
<META http-equiv=Content-Type content="text/html; charset=windows-1252">
</HEAD>
<BODY>
<img src="http://65.107.46.50/cgi-bin/statSend.asp?camp=1681-001e" border="0" width=1" height="1">
<DIV align=center>
<CENTER>
<TABLE cellSpacing=0 cellPadding=0 width=400 border=1>
  <TBODY>
  <TR>
    <TD width=404>
      <TABLE id=AutoNumber5 style="BORDER-COLLAPSE: collapse"
      borderColor=#111111 cellSpacing=0 cellPadding=0 border=0>
        <TBODY>
        <TR>
          <TD align=right width="50%"><FONT color=#ff0000
            size=7>2.2%&nbsp;&nbsp; </FONT></TD>
          <TD width="50%"><B><FONT color=#ff0000 size=4>Home Mortgage Rates</FONT></B></TD></TR>
        <TR>
          <TD align=middle width="100%" colSpan=2><A
            href="http://65.107.46.50/cgi-bin/home.asp?camp=1681-001">
          <IMG src="http://65.107.46.50/1681-001/images/home.jpg" border=0>
            </A><BR><FONT face=Arial><B>Pay Off Debt&nbsp;&nbsp; □&nbsp;&nbsp;
            Fund your 401k</B> </FONT>
          <p><font face="Arial">Purchase □ Re-Finance<BR><br>
          No Documentation&nbsp; □&nbsp; W-2&nbsp; □&nbsp; Self-Employed<br>
          <BR>Take Advantage Now ! <BR>Mortgage Rates
            Are At An Incredible Low! <BR><BR>Enjoy the Luxury of <BR>Extra
            Cash!</font> <BR><BR><A
            href="http://65.107.46.50/cgi-bin/home.asp?camp=1681-001"><FONT
            face=Arial color=#800080 size=4>For More Info, Click Here!
            </FONT></A>
          </p>
          <p><BR><FONT face=Arial size=1>Your email address was
            obtained from an opt-in list. If you wish to be taken off this list,
            please <A
            href="http://65.107.46.50/cgi-bin/home.asp?camp=1681-001&rem=1">Select
            Here. </A>If you have previously dealt with this matter and are
            still receiving this message, you may call our Abuse Control Center
            at 1-866-667-5399, or write us at: RAI PO Box 72905 Richmond, VA
            23235-8022.
</FONT></TD></TR></TBODY></TABLE></TD></TR></TBODY></TABLE></CENTER></DIV></BODY></HTML>
```

---

328. Manage Your Wealth Today

From: aray.bbs@hotpop.com
Date: Fri, 18 Oct 2002 19:37:52 -0800
To: lyris.aprssig@tapr.org
Message-ID: <TIDQ6W50T39U.18O1LEP15Q3E.aray.bbs@hotpop.com>
Rendered body type: text/html

```
1681-001

2.2%

Home Mortgage Rates

<http://65.107.46.50/cgi-bin/home.asp?camp=1681-001>
Pay Off Debt   □
Fund your 401k

Purchase □ Re-Finance

No Documentation  □  W-2  □  Self-Employed
```

Take Advantage Now !
Mortgage Rates
Are At An Incredible Low!

Enjoy the Luxury of
Extra
Cash!

For More Info, Click Here!
<http://65.107.46.50/cgi-bin/home.asp?camp=1681-001>

Your email address was
obtained from an opt-in list. If you wish to be taken off this list,
please Select
Here. <http://65.107.46.50/cgi-bin/home.asp?camp=1681-001&rem=1>If you have previously dealt with this matter and are
still receiving this message, you may call our Abuse Control Center
at 1-866-667-5399, or write us at: RAI PO Box 72905 Richmond, VA
23235-8022.

---

329. [aprssig] Re: telemetry

From: Bill Herrmann <bherrman@spro.net>
Date: Fri, 18 Oct 2002 23:08:29 -0600
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-103560-2002.10.19-01.14.31--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

At 09:12 AM 10/18/02 -0400, you wrote:
>I guess the reason is that it takes 4 packets and there is not an easy
[snip]
>the four TElemetry formats in those four LT buffers and set it to once

That's great unless you're already using those... Around here we tend to use at least some of those so that we can get variable paths on the beacons. As an example my home station was testing settings for possible digi use. It sends it's position at least every 20 minutes throughout the day. The majority of those are local only. On the hour it sends 1 wide. Twice a day it sends a bigger path.

In reading the telemetry.txt file (at least the version I found on a web site) it implied that there were default values for the telemetry, but didn't mention what they were. Are there? What are they?

It also implied that I could send them from another station which might be a way around the digi not having enough ways to send packets. Does that work?

I should also ask - which APRS clients support telemetry? (by support telemetry I mean including the labels, equations, and units.)
Obviously APRSDOS does. UI View has a non-released add-in. How about the others?

Bill

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Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

---

330. [aprssig] Re: How to run xastir on another LINUX machine

From: "Andrew Rich" <andrew.rich@bigpond.com>
Date: Sat, 19 Oct 2002 18:05:56 +1000
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-103567-2002.10.19-03.48.43--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

do u have to allow that host in ? is this the rhost file ?

-----Original Message-----
From: bounce-aprssig-30130@lists.tapr.org
[mailto:bounce-aprssig-30130@lists.tapr.org]On Behalf Of David L Norris
Sent: Friday, 18 October 2002 22:56
To: TAPR APRS Special Interest Group
Cc: TAPR APRS Special Interest Group
Subject: [aprssig] Re: How to run xastir on another LINUX machine

On Fri, 2002-10-18 at 01:41, Andrew Rich wrote:

> 1. xhost + (on local machine)
> 2. telnet 172.93.1.100 (box with xastir on it)
> 3. DISPLAY=172.93.1.128:0.0 (our display)
> 4. export DISPLAY
> 5. xastir &

Or!
1. ssh 172.93.1.100
2. xastir &

Not only more secure but easier. This, of course, assumes SSH is setup for tunneling properly on both systems. (Works by default on all my Redhat systems. Even with Windows as the DISPLAY machine using Putty & Exceed. :-)

--
David Norris, ARS: KG9AE
KG9AE's Web - http://www.webaugur.com/dave/kg9ae/
ICQ - 412039

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Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

331. [aprssig] Re: How to run xastir on another LINUX machine

From: Hamish Moffatt <hamish@cloud.net.au>
Date: Sat, 19 Oct 2002 21:47:13 +1000
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-103580-2002.10.19-07.29.59--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

On Fri, Oct 18, 2002 at 06:41:15AM +1000, Andrew Rich wrote:
> 1. xhost + (on local machine)

Bad advice, this allows anyone on the network (or the whole Internet if you're not behind a firewall) to snoop your box.

Hamish
--
Hamish Moffatt VK3SB <hamish@debian.org> <hamish@cloud.net.au>

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332. [aprssig] Re: How to run xastir on another LINUX machine

From: "Curt Mills, WE7U" <archer@eskimo.com>
Date: Sat, 19 Oct 2002 07:34:14 -0700 (PDT)
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: TAPR APRS Special Interest Group <aprssig@lists.tapr.org>
Message-ID: <LYR842-103620-2002.10.19-11.02.16--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

On Sat, 19 Oct 2002, Andrew Rich wrote:

> do u have to allow that host in ?

Once someone starts up and X-server on a box, that user owns the desktop. In order to allow someone else to talk to that X-server, you normally have to manipulate xhost.

Setting "xhost +" on a box lets anyone in, and would allow someone to create a duplicate display elsewhere to snoop what you're doing, allow them to put a box up on your screen that simulates a login screen (which would allow them to snoop your password were you to type it), etc. "xhost +" is an extremely bad idea.

A slightly better way would be to set "xhost remotecomputername", but this would still allow anyone on that remote machine to mess with your local X-server. If you're in full control of that remote

machine and there are no others logging in there it is probably ok.
Just remember that Unix and Unix-like boxes are all multiuser.
Someone can log in to that box at any time while you're using it,
either if they have a login or if they've hacked that box.

> is this the rhost file ?

This is not the "rhost" file. Most people recommend that you do
NOT mess with rhost. That's a very old method of allowing users
on one computer to have the same priviledges on another. Rhost has
particularly poor security and should not be used. Rhost also has
nothing to do with X.

The simpler and more secure way of doing things like this these days
is to use SSH, or Secure SHell. SSH will create an encrypted
connection to the remote computer and will then set up your DISPLAY
variable on the remote end so that X clients will display on your
local box. It also creates a dummy X-server on the remote end.
With SSH you don't have to mess with "xhost" at all. SSH also
NEVER sends passwords in the clear, unlike telnet and ftp, which
do. SSH also has "scp", which allows you to copy files from one
machine to another in a secure manner. I use that all the time.

Curt, WE7U.   archer@eskimo.com
http://www.eskimo.com/~archer
  Lotto: A tax on people who are bad at math. - unknown
Windows: Microsoft's tax on computer illiterates. - WE7U.

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Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

333. [aprssig] Re: telemetry

From: "Curt Mills, WE7U" <archer@eskimo.com>
Date: Sat, 19 Oct 2002 07:37:37 -0700 (PDT)
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: TAPR APRS Special Interest Group <aprssig@lists.tapr.org>
Message-ID: <LYR842-103621-2002.10.19-11.05.39--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

On Fri, 18 Oct 2002, Bill Herrmann wrote:

> It also implied that I could send them from another station which might be
> a way around the digi not having enough ways to send packets. Does that work?

It's relatively easy to "fake" packets as being from another station,
simply be writing a program/script to generate the packets and
injecting them into the IS stream. That's how the QUAKE packets and
other similar objects are created. You could do the same with the
telemetry description packets for a station that is unable to
describe them itself. Maybe there are other methods as well.

> I should also ask - which APRS clients support telemetry? (by support
> telemetry I mean including the labels, equations, and units.)
> Obviously APRSDOS does. UI View has a non-released add-in. How about the
> others?

Xastir does not currently support the telemetry stuff. On the TODO
list.

Curt, WE7U.   archer@eskimo.com
http://www.eskimo.com/~archer
  Lotto: A tax on people who are bad at math. - unknown
Windows: Microsoft's tax on computer illiterates. - WE7U.

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Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

334. [aprssig] [sarex] Double Hop Testing (fwd)

From: Bob Bruninga <bruninga@usna.edu>
Date: Sat, 19 Oct 2002 11:27:02 -0400 (EDT)

To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-103622-2002.10.19-11.09.54--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

ISS/PCsat doble hop experiment continues:

This was posted to the SAREX list, I am forwarding it to the AMSAT-BB and APRS lists. Remember, PCsat is only usable in the afternoons and early evenings before full darkness. So do your predictions and tests based on that.

de WB4APR@amsat.org, Bob

PCsat WEB page http://www.ew.usna.edu/~bruninga/pcsat.html
ISS-APRS FAQ: http://www.ew.usna.edu/~bruninga/iss-faq.html

---------- Forwarded message ----------
Date: Thu, 17 Oct 2002 17:22:17 -0400
From: Frank H. Bauer <fbauer@erols.com>

All,

The ARISS team has instructed the Valery to leave the Packet system on 145.825 for an additional week to support the double hop experimentation. We also informed him of the success to date.

With the school group contact this morning, I am not sure if the equipment was re-configured to the prime packet frequency or to 145.825. Some of you were asking about why the packet system was not on the air recently. It is not clear to us what occurred either. Some of the speculation about undocking may be true. There were also a number of Shuttle crew members vying for time on the radio, so maybe the system was not configured back to B6 (The standard packet freq) or configured to 145.825.

During the docking, we had ISS Commander Valery Korzun, Shuttle Mission Specialist Dave Wolf and the Shuttle Commander Jeff Ashby all used the ISS Ham equipment....it is great to see ISS Ham Radio so well used by the ISS and Shuttle Crews. Next up....the Taxi Flight with Frank DeWinne, ON1DWN on-board,

Enjoy the double hop experimentation.

73, Frank Bauer, KA3HDO

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Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

---

335. [aprssig] Re: How to run xastir on another LINUX machine

From: John L Place <jplace@sc.rr.com>
Date: Sat, 19 Oct 2002 14:17:28 -0400
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-103637-2002.10.19-14.01.11--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Andrew Rich wrote:
> do u have to allow that host in ? is this the rhost file ?
>
> -----Original Message-----
> From: bounce-aprssig-30130@lists.tapr.org
> [mailto:bounce-aprssig-30130@lists.tapr.org]On Behalf Of David L Norris
> Sent: Friday, 18 October 2002 22:56
> To: TAPR APRS Special Interest Group
> Cc: TAPR APRS Special Interest Group
> Subject: [aprssig] Re: How to run xastir on another LINUX machine
>
>
> On Fri, 2002-10-18 at 01:41, Andrew Rich wrote:
>
```
>>1. xhost + (on local machine)
>>2. telnet 172.93.1.100 (box with xastir on it)
>>3. DISPLAY=172.93.1.128:0.0 (our display)
>>4. export DISPLAY
>>5. xastir &
>
```

This doen't work on Mabdrake 9.0.
Get message: $ xhost +
X connection to localhost:10.0 broken (explicit kill or server shutdown).
Been trying to figure this one out. Also have X11 forwarding option
turned on inside SecureCrt.

>
> Or!
> 1. ssh 172.93.1.100
> 2. xastir &
>
> Not only more secure but easier. This, of course, assumes SSH is setup
> for tunneling properly on both systems. (Works by default on all my
> Redhat systems. Even with Windows as the DISPLAY machine using Putty &
> Exceed. :-)
>

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Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

---

336. [aprssig] Re: How to run xastir on another LINUX machine

From: "Andrew Rich" <andrew.rich@bigpond.com>
Date: Sun, 20 Oct 2002 07:29:10 +1000
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-103661-2002.10.19-17.11.52--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Excellent thank you Curt.

You are a legend.

-----Original Message-----
From: bounce-aprssig-30130@lists.tapr.org
[mailto:bounce-aprssig-30130@lists.tapr.org]On Behalf Of Curt Mills,
WE7U
Sent: Sunday, 20 October 2002 00:34
To: TAPR APRS Special Interest Group
Cc: TAPR APRS Special Interest Group
Subject: [aprssig] Re: How to run xastir on another LINUX machine

On Sat, 19 Oct 2002, Andrew Rich wrote:

> do u have to allow that host in ?

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desktop. In order to allow someone else to talk to that X-server,
you normally have to manipulate xhost.

Setting "xhost +" on a box lets anyone in, and would allow someone to
create a duplicate display elsewhere to snoop what you're doing,
allow them to put a box up on your screen that simulates a login
screen (which would allow them to snoop your password were you to
type it), etc. "xhost +" is an extremely bad idea.

A slightly better way would be to set "xhost remotecomputername", but
this would still allow anyone on that remote machine to mess with
your local X-server. If you're in full control of that remote
machine and there are no others logging in there it is probably ok.
Just remember that Unix and Unix-like boxes are all multiuser.
Someone can log in to that box at any time while you're using it,
either if they have a login or if they've hacked that box.

> is this the rhost file ?

This is not the "rhost" file. Most people recommend that you do
NOT mess with rhost. That's a very old method of allowing users
on one computer to have the same priviledges on another. Rhost has

particularly poor security and should not be used. Rhost also has
nothing to do with X.

The simpler and more secure way of doing things like this these days
is to use SSH, or Secure SHell. SSH will create an encrypted
connection to the remote computer and will then set up your DISPLAY
variable on the remote end so that X clients will display on your
local box. It also creates a dummy X-server on the remote end.
With SSH you don't have to mess with "xhost" at all. SSH also
NEVER sends passwords in the clear, unlike telnet and ftp, which
do. SSH also has "scp", which allows you to copy files from one
machine to another in a secure manner. I use that all the time.

Curt, WE7U.   archer@eskimo.com
http://www.eskimo.com/~archer
  Lotto: A tax on people who are bad at math. - unknown
Windows: Microsoft's tax on computer illiterates. - WE7U.

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---

337. [aprssig] Re: How to run xastir on another LINUX machine

From: "Andrew Rich" <andrew.rich@bigpond.com>
Date: Sun, 20 Oct 2002 07:34:26 +1000
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-103662-2002.10.19-17.17.17--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Can I just say also that this was on my home hub, there was no intent to have to deal with security.

If it was to go outside my home lan then yes these comments would certainly come into play.

Thanks guys

-----Original Message-----
From: bounce-aprssig-30130@lists.tapr.org
[mailto:bounce-aprssig-30130@lists.tapr.org]On Behalf Of Andrew Rich
Sent: Sunday, 20 October 2002 07:29
To: TAPR APRS Special Interest Group
Subject: [aprssig] Re: How to run xastir on another LINUX machine

Excellent thank you Curt.

You are a legend.

-----Original Message-----
From: bounce-aprssig-30130@lists.tapr.org
[mailto:bounce-aprssig-30130@lists.tapr.org]On Behalf Of Curt Mills,
WE7U
Sent: Sunday, 20 October 2002 00:34
To: TAPR APRS Special Interest Group
Cc: TAPR APRS Special Interest Group
Subject: [aprssig] Re: How to run xastir on another LINUX machine

On Sat, 19 Oct 2002, Andrew Rich wrote:

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desktop. In order to allow someone else to talk to that X-server,
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screen (which would allow them to snoop your password were you to
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this would still allow anyone on that remote machine to mess with
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machine and there are no others logging in there it is probably ok.
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Someone can log in to that box at any time while you're using it,
either if they have a login or if they've hacked that box.

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NOT mess with rhost. That's a very old method of allowing users
on one computer to have the same priviledges on another. Rhost has
particularly poor security and should not be used. Rhost also has
nothing to do with X.

The simpler and more secure way of doing things like this these days
is to use SSH, or Secure SHell. SSH will create an encrypted
connection to the remote computer and will then set up your DISPLAY
variable on the remote end so that X clients will display on your
local box. It also creates a dummy X-server on the remote end.
With SSH you don't have to mess with "xhost" at all. SSH also
NEVER sends passwords in the clear, unlike telnet and ftp, which
do. SSH also has "scp", which allows you to copy files from one
machine to another in a secure manner. I use that all the time.

Curt, WE7U.   archer@eskimo.com
http://www.eskimo.com/~archer
  Lotto: A tax on people who are bad at math. - unknown
Windows: Microsoft's tax on computer illiterates. - WE7U.

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Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

---

338. [aprssig] KPC9612+

From: Ken Cechura <kcechura@umr.edu>
Date: Sat, 19 Oct 2002 15:11:42 -0700
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-103666-2002.10.19-17.54.18--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Well, I finally got it back from Kantronics, and upon initial connection,
it didnt work... checked into it today, and it was jumpered for
HT.... fixed that and it works wonderfully....

Thanks to Kantronics for fixing it, even though it was a factory second and
had no warrantee!!!

Now for the question...

Is anyone running a MOCOM 70 or similar old radio as a digi? I need some
help doing 2 things:

1) how to interface the audio from the KPC9612 to the MOCOM (just running
the 9612's TX audio to the MOCOM's TX audio doesn't seem to work)

2) how to swap the antenna relay with something solid state (schematics and
part numbers would be nice :)

thanks
Ken

      ///

```
     //        Kenneth R. Cechura, KC9UMR                 //
    //             kcechura@umr.edu                     //
   //           President, W0EEE, 2002                 //
  // University of Missouri-Rolla Amateur Radio Club  //
//////////////////////////////////////////////////////
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340. [aprssig] Re: How to run xastir on another LINUX machine

From: "Curt Mills, WE7U" <archer@eskimo.com>
Date: Sat, 19 Oct 2002 16:09:34 -0700 (PDT)
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: TAPR APRS Special Interest Group <aprssig@lists.tapr.org>
Message-ID: <LYR842-103674-2002.10.19-19.37.40--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

```
On Sat, 19 Oct 2002, John L Place wrote:

> > On Fri, 2002-10-18 at 01:41, Andrew Rich wrote:
> >
> >>1. xhost + (on local machine)
> >>2. telnet 172.93.1.100 (box with xastir on it)
> >>3. DISPLAY=172.93.1.128:0.0 (our display)
> >>4. export DISPLAY
> >>5. xastir &
>
>
> This doen't work on Mabdrake 9.0.
> Get message:     $ xhost +
> X connection to localhost:10.0 broken (explicit kill or server shutdown).
> Been trying to figure this one out. Also have X11 forwarding option
> turned on inside SecureCrt.

The message "explicit kill or server shutdown" is what you get when
you try to open up a GUI program on an X-server which you don't have
proper permissions to use.  I expect you already know that though.

I'm not familiar with SecureCrt, might be a RedHat package or a
third-party addition?  The X11 forwarding option sounds like it might
do some of the same things as SSH.  Check out the man pages for
SecureCrt.  You might have package documentation for it in other
places on your system as well.  On SuSE, package docs are in
/usr/share/doc/packages.  You might have stuff under /usr/share or
under /usr/doc?


> > 1. ssh 172.93.1.100
> > 2. xastir &

Again, this is what I use.  It sets everything up for you so that you
don't have to remember much in the way of details.  You just "play".
```

```
Curt, WE7U.                             archer@eskimo.com
http://www.eskimo.com/~archer
  Lotto:  A tax on people who are bad at math. - unknown
Windows:  Microsoft's tax on computer illiterates. - WE7U.
```

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341. [aprssig] Re: telemetry

From: Bob Bruninga <bruninga@usna.edu>
Date: Sat, 19 Oct 2002 19:57:25 -0400 (EDT)
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: TAPR APRS Special Interest Group <aprssig@lists.tapr.org>
Message-ID: <LYR842-103676-2002.10.19-19.40.32--lyris.aprssig#tapr.org@lists.tapr.org>
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On Fri, 18 Oct 2002, Bill Herrmann wrote about APRS telemetry.

> In reading the telemetry.txt file (at least the version I found on a web
> site) it implied that there were default values for the telemetry, but
> didn't mention what they were. Are there? What are they?

They are defined for the MIM (Mic-E). The useful ones are channel 1
should be volts in tenths (126 means 12.6 volts) and channel 3 is labeled
temperature. If you can chose a thermister and resistor combo that
roughly gives you a binary count equal to degrees, then no conversion is
necessary there either. I wrote a program that is included in all vesions
of APRSdos that helps you choose a resistor and diode combo for the common
DIGI-KEY thermisters to yield a linear telemetry count equal to degrees
over a limited range of your choosing. I think it is called mic-temp.bas

> It also implied that I could send them from another station which might
> be a way around the digi not having enough ways to send packets. Does
> that work?

Yes, it doesnt matter who sends the packets, only the TOCALL has to match
the call of the station that is sending the telemetry.
>
> I should also ask - which APRS clients support telemetry? (by support
> telemetry I mean including the labels, equations, and units.)
> Obviously APRSDOS does. UI View has a non-released add-in. How about the
> others?

Good question.

Bob

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342. [aprssig] Re: OT: Programing THD7AG via PC

From: "Robert Burton" <KD4YDC@JUNO.COM>
Date: Sat, 19 Oct 2002 19:23:25
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-103685-2002.10.19-20.06.07--lyris.aprssig#tapr.org@lists.tapr.org>
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Well I found out my problem...I think. I had a friend that used my cable
and he was able to use Hyperterm..with my cable. Using his cable he could
not get my TH-D7AG to work, nor could he use his GPS cable to make mine
work. All the settings were correct (I think). TNC on, off,... APRS on,
off,....nothing worked. I took the back off hoping to get to the
jacks....that looked a little scary. Has anybody had this problem? What
about Kenwood? What do they charge to fix something like this? The ht
works in APRS by itself and every else seems to work, just not the GPS nor
PC jacks. Mic and speaker works fine.
Ideas?
Thanks,
Robert

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343. [aprssig] Re: OT: Programing THD7AG via PC

From: "Andrew Rich" <andrew.rich@bigpond.com>
Date: Sun, 20 Oct 2002 10:48:30 +1000
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-103687-2002.10.19-20.31.24--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

```
What flow control are you using ? thd7a only supports XON XOFF

-----Original Message-----
From: bounce-aprssig-30130@lists.tapr.org
[mailto:bounce-aprssig-30130@lists.tapr.org]On Behalf Of Robert Burton
Sent: Saturday, 19 October 2002 19:23
To: TAPR APRS Special Interest Group
Subject: [aprssig] Re: OT: Programing THD7AG via PC


Well I found out my problem...I think.  I had a friend that used my cable
and he was able to use Hyperterm..with my cable.  Using his cable he could
not get my TH-D7AG to work, nor could he use his GPS cable to make mine
work. All the settings were correct (I think).  TNC on, off,... APRS on,
off,....nothing worked.  I took the back off hoping to get to the
jacks....that looked a little scary.  Has anybody had this problem? What
about Kenwood?  What do they charge to fix something like this?  The ht
works in APRS by itself and every else seems to work, just not the GPS nor
PC jacks. Mic and speaker works fine.
Ideas?
Thanks,
Robert

---
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```

---

344. [aprssig] Re: OT: Programing THD7AG via PC

From: "Robert Burton" <KD4YDC@JUNO.COM>
Date: Sat, 19 Oct 2002 19:57:39
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-103688-2002.10.19-20.40.23--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

```
Yes, flow control was the Xon & Xoff :-(
Robert

---
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```

---

345. [aprssig] Re: KPC9612+

From: WA8LMF2@aol.com
Date: Sun, 20 Oct 2002 00:14:47 EDT
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: aprssig@lists.tapr.org
Message-ID: <LYR842-103700-2002.10.19-23.57.42--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

```
In a message dated 10/19/02 3:13:15 PM Pacific Daylight Time,
kcechura@umr.edu writes:

> 1) how to interface the audio from the KPC9612 to the MOCOM (just running
>  the 9612's TX audio to the MOCOM's TX audio doesn't seem to work)
>

The older Motorola radios (like most commercial land mobile radios until
recently) have a very high level mic input that was originally intended
(decades ago) for a telephone-type carbon mic that puts half a volt or so of
audio. [ Part of the reason was to have a very high audio level that would
```

travel well without picking up noise through 25 feet of cable from the
control head to the trunkmounted radio chassis.] For the past 25 years or
so, Moto has provided a dynamic mic with built-in preamp that boosts the
5-10mV output of the dynamic element to 500mV; in other words, it simulates
the level of the classic carbon mic (but with vastly better audio quality).

Any device you wire into a Moto's "mic" input has to be essentially "line"
level instead of "mic'" level as we usually think of it (5-50mV).

If there isn't a jumper inside the TNC to boost the output level by a factor
of 10-20 or so, use a simple op-amp amplifier set for a gain of 20 or so to
boost the 9612's tone levels.

Stephen H. Smith   wa8lmf @ aol.com
Home Page:
http://members.aol.com/wa8lmf
Ham Radio/Mobile SSTV page: http://members.aol.com/wa8lmf/ham
APRS Stuff
http://members.aol.com/wa8lmf/aprs

| Radio Communications Systems   Personal Computers
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| GPS Custom Mapping   &   Radio Coverage Surveys
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346. [aprssig] MS 2000

From: Linda Mullen <ad4bl@mosquitonet.com>
Date: Sat, 19 Oct 2002 21:46:24 -0800
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-103717-2002.10.20-01.24.27--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Hi all,

I thank you for your assistance in this matter of
loading DosAPRS on MS2000. I can tell you from
first hand experience, it won't work! We went up
to the NWS office and loaded it on the new machine
and all we got was garbage. We toyed with
reformating the hard drive and installing Win95 or
98. Young Kody asked our NWS buddy if they still
had the old machine that we had been running the
program on and they sure did. We made quick work
of getting the machine hooked up and on line and
DosAPRS ran like a champ! More than one way to
skin a cat!

We may still reformat the new machine because it
is the one assigned by the NWS for the amateur
radio programs but at least we are back in
business....just in time for a new snowfall.   We
have gotten 15in of snow the past 1 1/2 weeks.

Thanks again to everyone who offered ideas.

Linda

--
Linda <><

Linda AD4BL
ALASKA SEC STM
ad4bl@mosquitonet.com
Fairbanks, Alaska
He came to pay a debt He didn't owe,
because we owed a debt we couldn't pay!

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---

347. [aprssig] Re: MS 2000

From: WA8LMF2@aol.com
Date: Sun, 20 Oct 2002 07:01:39 EDT
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: aprssig@lists.tapr.org
Message-ID: <LYR842-103727-2002.10.20-06.44.35--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

In a message dated 10/19/02 10:43:59 PM Pacific Daylight Time, ad4bl@mosquitonet.com writes:

> We may still reformat the new machine because it
> is the one assigned by the NWS for the amateur
> radio programs but at least we are back in
> business....

Depending on how new the machine is, you may not be able to do this!! I am fighting this nightmare right now -- new machines with video, sound, modem, and/or CPU support chipsets that are ONLY supported in Win XP. There are simply NO DRIVERS available for earlier versions of Windows.

These devices are increasingly dependent on SOFTWARE that simulates or complements hardware. These drivers are specific to particular versions of Windows; without the drivers, many hardware devices on new PCs simply don't exist. This is particularly true of video displays, modems and sound systems.

In my particular case (Dell Inspiron 8100 laptop) I wanted to replace the factory-loaded Win XP with Windows 2000 but can't get a driver for the built-in ATI Mobile Radeon 7500 video display system that will work with Win 2K (or any earlier version of Windows). I have wasted 4 days on Dell's 800-lines over the last week arguing with clueless idiots in their so-called tech support trying to convince them that there must be a Win 2K driver for this video system (at one point the machine was being offered with either Win2K or XP). So far they insist they only support Win XP on this machine and nothing else.

Without this missing driver, the hot-dog accelerated 1600x1280 super-XGA display is only capable of basic 640x480 16-color classic VGA !

The same thing is increasingly happening with newer printers and combo scanner/printer/fax devices: They are only usable with the lastest versions of Windows.

As I have mentioned on several lists before: If you expect to continue to use legacy hardware (i.e. serial and parallel ports, hardware-based modems that actually act like serial ports, truely "Soundblaster"-compatible sound systems [i.e. for PSK31, RTTY,etc] you had better hang onto your existing machines. With Microsoft's incessant pressure on HARDWARE manufacturers to make new machines TOTALLY dependent on the lastest versions of Windows for basic functionality, new PCs will be less and less usable for a lot of our ham apps.

```
Stephen H. Smith                   wa8lmf @ aol.com
Home Page:
http://members.aol.com/wa8lmf
Ham Radio/Mobile SSTV page:     http://members.aol.com/wa8lmf/ham
APRS Stuff
http://members.aol.com/wa8lmf/aprs
-----------------------------------------------------------------------------

----------
|    Radio Communications Systems       Personal Computers
|                Consulting and Systems Integration
|    GPS Custom Mapping    &     Radio Coverage Surveys
|    File Conversions     MS-Windows Setups     Wireless Networking
-----------------------------------------------------------------------------

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Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

348. [aprssig] Re: MS 2000

From: "Curt Mills, WE7U" <archer@eskimo.com>
Date: Sun, 20 Oct 2002 10:39:19 -0700 (PDT)
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: TAPR APRS Special Interest Group <aprssig@lists.tapr.org>
Message-ID: <LYR842-103755-2002.10.20-14.07.20--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

```
On Sun, 20 Oct 2002 WA8LMF2@aol.com wrote:

> Depending on how new the machine is, you may not be able to do this!!  I am
> fighting this nightmare right now -- new machines with video, sound, modem,
> and/or CPU support chipsets that are ONLY supported in Win XP

Or Linux/*BSD Unix.


> In my particular case (Dell Inspiron 8100 laptop) I wanted to replace the
> factory-loaded Win XP with Windows 2000 but can't get a driver for the
> built-in ATI Mobile Radeon 7500 video display system that will work with Win
> 2K (or any earlier version of Windows).

ATI has a driver for Win2k:

        http://www.ati.com/support/driver.html

I did a search for "ATI Mobile Radeon 7500" on google and ATI was one
of the first hits.  Select the right options and you get to the
download page for it.


> As I have mentioned on several lists before:  If you expect to continue to
> use legacy hardware (i.e. serial and parallel ports, hardware-based modems
> that actually act like serial ports, truely "Soundblaster"-compatible sound
> systems [i.e. for PSK31, RTTY,etc ] you had better hang onto your existing
> machines.  With Microsoft's incessant pressure on HARDWARE manufacturers to
> make new machines TOTALLY dependent on the lastest versions of Windows for
> basic functionality, new PCs will be less and less usable for a lot of our
> ham apps.

Or make the plunge to Linux or *BSD Unix whenever you get backed into
the corner for the last time with Windows.  New versions of Linux
should run without major problems on your old 486 systems and on your
newest AMD Athlon systems.  If some driver or other is missing, and
it's a popular enough card/peripheral, it's usually not long before
someone writes a driver for it.  Often it's the manufacturer writing
them these days.

Curt, WE7U.                             archer@eskimo.com
http://www.eskimo.com/~archer
  Lotto:  A tax on people who are bad at math. - unknown
Windows:  Microsoft's tax on computer illiterates. - WE7U.


---
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349. [aprssig] Shelters

From: "Thomas M. Schaefer" <toms@xmission.com>
Date: Sun, 20 Oct 2002 13:21:05 -0600
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-103758-2002.10.20-15.03.40--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

```
OK, I am going to do it...

I want to make a simple application to do shelter information using UI
packets between the sheters.

I know there was some conversation about this because WinAPRS had a
reference to it.

The first step is for me to ask if there if any data on a packet format for
the shelter information. If you are involved with the Red Cross and can
```

help, please send me what type of information you think the shelter should send to the HUB location (the Chapter). Please send this off-list. I will compile it and put it into a packet format. I will send it out for comments, then submit it to the APRSSPEC-WG to get it put into the SPEC.

Comments?

Tom NY4I

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350. [aprssig] Re: MS 2000

From: WA8LMF2@aol.com
Date: Sun, 20 Oct 2002 15:25:31 EDT
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: aprssig@lists.tapr.org
Message-ID: <LYR842-103759-2002.10.20-15.09.12--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

In a message dated 10/20/02 11:24:54 AM Pacific Daylight Time, archer@eskimo.com writes:

> I did a search for "ATI Mobile Radeon 7500" on google and ATI was one
> of the first hits. Select the right options and you get to the
> download page for it.

No you don't. ATI explicitly passes the buck on the "Mobility Radeon" [motherboard-mounted chipset for laptops -- not a plugin card] back to the OEM using it, tells you to "contact your OEM".

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351. [aprssig] Latest version numbers?

From: James French W8ISS <w8iss@amsat.org>
Date: Sun, 20 Oct 2002 16:09:12 -0400
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-103760-2002.10.20-15.50.43--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

I am wondering what the latest version numbers are?

--
James W8ISS

Introducing NetZero Long Distance
Unlimited Long Distance only $29.95/ month!
Sign Up Today! www.netzerolongdistance.com

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352. [aprssig] Re: MS 2000

From: tvsjr <tvsjr@sprynet.com>
Date: Sun, 20 Oct 2002 15:24:31 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: aprssig@lists.tapr.org
Message-ID: <LYR842-103761-2002.10.20-16.04.58--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Stephen-

Unfortunately, sometimes the drivers just aren't "filed" correctly on Dell's web site. Have you actually downloaded the new XP drivers and tried using them with 2000 Pro? Or, if nothing else, look through the INF files and the directory structure of the download - you should be able to get a good clue of what OSes are supported. I'd look at the file myself, but I'm still stuck on a lowly dialup, and 8MB would take awhile...

Usually, drivers for newer OSes will work with older OSes, but not vice versa (at least for the more recent OSes - 98/Me/2000/XP). If nothing else, look at the drivers for the Latitude C640, which should be a reasonably close relative to your laptop, and you should find Win2K drivers for the Mobility 7500 (aka M7) there.

The upside to the Latitude line is that Dell seems to be more supportive toward using varying OSes and software combinations. That was one of the deciding factors when I bought my C840.

73s,
Terry, N5RSE

>Depending on how new the machine is, you may not be able to do this!! I am
>fighting this nightmare right now -- new machines with video, sound, modem,
>and/or CPU support chipsets that are ONLY supported in Win XP. There are
>simply NO DRIVERS available for earlier versions of Windows.
>
>In my particular case (Dell Inspiron 8100 laptop) I wanted to replace the
>factory-loaded Win XP with Windows 2000 but can't get a driver for the
>built-in ATI Mobile Radeon 7500 video display system that will work with Win
>2K (or any earlier version of Windows). I have wasted 4 days on Dell's
>800-lines over the last week arguing with clueless idiots in their so-called
>tech support trying to convince them that there must be a Win 2K driver for
>this video system (at one point the machine was being offered with either
>Win2K or XP). So far they insist they only support Win XP on this machine
>and nothing else.

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353. [aprssig] Wow!

From: blitz <blitz@macronet.net>
Date: Sun, 20 Oct 2002 06:15:09 -0400
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-103764-2002.10.20-16.40.52--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

> ==>HAM RADIO PACKAGE "KEEPS ON TICKING" FOLLOWING LAUNCH DISASTER
 >
 > What began as a perfectly magnificent morning in the Nevada desert
 > September 19 ended in a disastrous launch failure for a group of Amateur
 > Radio operators and amateur rocket enthusiasts. The Civilian Space
 > Xploration Team's (CSXT) Primera rocket engine failed a few seconds into
 > its flight, and the rocket was destroyed. CSXT team members had hoped the
 > suborbital vehicle, which carried several Amateur Radio payloads, would be
 > the first amateur-built rocket to reach space--an altitude of more than 60
 > nautical miles.
 >
 > "It was very exciting. The sun came up, and the rocket was there, and we
 > activated all of the computer systems, and everything came up fine,"
 > recalled Avionics Manager and CSXT Program Co-Leader Eric Knight,
 > KB1EHE--one of the several hams involved in the project. "Everything went
 > very very smoothly." Until everything went terribly wrong three seconds
 > into the launch.
 >
 > "There were a lot of people in tears," Knight said. "This is something for
 > which everybody put their lives on hold for a couple of years. It was a
 > very very upsetting thing." The team members went through "a period of
 > mourning" as they went about the range picking up the pieces of the
 > rocket. "It was very tough to swallow at that point," Knight added. No one
 > was hurt.
 >
 > Amazingly and unexpectedly, the Amateur Radio avionics survived the
 > rocket's destruction and continued operating until they struck the desert
 > floor. "We were extraordinarily pleased with the way the electronics
 > performed," Knight said. "If there was an bright spot, it was that the
 > avionics--all based on ham radio technology and built by hams--worked
 > flawlessly. We had perfect video of the launch from the rocket right
 > through the motor failure." All members of the avionics team are ham radio
 > licensees.
 >
 > The upbeat Knight said team members, while initially stunned and
 > devastated, remain undeterred. "We will be pressing ahead for a launch

```
 > possibly again next year," he said. "It was only a speed bump in our
 > overall process." Knight called his teammates "a very resilient bunch" and
 > determined to go forward.
 >
 > The disaster means starting over largely from scratch. Along with their
 > hopes and dreams for success this time went a considerable amount of hard
 > cash--on the order of $130,000--that came right out of the members'
 > pockets. "We're actively looking for sponsors right now and people who
 > would like to have their name and brand tied in with such a historic
 > endeavor," Knight said. Primera Technology was the only corporate sponsor
 > for the failed launch.
 >
 > The September attempt was the group's third. Additional information is
 > available on the CSXT Web site <www.civilianspace.com>.


---
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354. [aprssig] WX_Message

From: Robbie <mwrobertson@attbi.com>
Date: Sun, 20 Oct 2002 17:42:24 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-103776-2002.10.20-18.25.01--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

```
Hi Sig,

Lately I've noticed that almost all NWS messages, where the
Counties turn different color, now say Advisory, WX_MESSAGE,  but
I seem to remember they would also say what kind of advisory, like
Flood, Thunderstorms, Freeze, or something like that... Just plain
WX_Message seems lacking something?

Am I missing something I need to load for interpretation of these
messages?

Thanks,

Robbie,  wa9inf

---
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355. [aprssig] Re: Latest version numbers?

From: Bob Nielsen <nielsen@oz.net>
Date: Sun, 20 Oct 2002 16:00:06 -0700
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-103777-2002.10.20-18.42.51--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

```
On Sun, Oct 20, 2002 at 04:09:12PM -0400, James French W8ISS wrote:
> I am wondering what the latest version numbers are?

Of what software?

Most APRS programs can be found on the TAPR site.  Go to
ftp://ftp.tapr.org/aprssig/ and take a look.

Bob, N7XY

---
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```

356. [aprssig] Re: ["Curt Mills, WE7U"] Re: How to run xastir on another LINUX machine

From: "Gregg G. Wonderly" <gregg@skymaster.cytetech.com>
Date: Sun, 20 Oct 2002 19:57:41 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: TAPR APRS Special Interest Group <aprssig@lists.tapr.org>
Message-ID: <LYR842-103786-2002.10.20-20.40.45--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

```
>> This doen't work on Mabdrake 9.0.
>> Get message:     $ xhost +
>> X connection to localhost:10.0 broken (explicit kill or server shutdown).
>> Been trying to figure this one out. Also have X11 forwarding option
>> turned on inside SecureCrt.
>
>The message "explicit kill or server shutdown" is what you get when
>you try to open up a GUI program on an X-server which you don't have
>proper permissions to use.  I expect you already know that though.

SecureCRT is a windows terminal emulator that provides SSH and associated
tunneling.  There is a checkbox for X11 forwarding.  Of course, if you don't
have an X-server running at all, then you will likely have problems getting
anything to work that uses X-windows.

-----
gregg@cytetech.com  (Cyte Technologies Inc)



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357. [aprssig] Re: OT: Programing THD7AG via PC

From: "Gregg G. Wonderly" <gregg@skymaster.cytetech.com>
Date: Sun, 20 Oct 2002 20:02:24 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: TAPR APRS Special Interest Group <aprssig@lists.tapr.org>
Message-ID: <LYR842-103787-2002.10.20-20.45.12--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

```
>Well I found out my problem...I think.  I had a friend that used my cable
>and he was able to use Hyperterm..with my cable.  Using his cable he could
>not get my TH-D7AG to work, nor could he use his GPS cable to make mine
>work. All the settings were correct (I think).  TNC on, off,... APRS on,
>off,....nothing worked.  I took the back off hoping to get to the
>jacks....that looked a little scary.  Has anybody had this problem? What
>about Kenwood?  What do they charge to fix something like this?  The ht
>works in APRS by itself and every else seems to work, just not the GPS nor
>PC jacks. Mic and speaker works fine.
>Ideas?

I had a cold solder joint on my GPS port on the D7.  When I opened the thing
to inspect why I could not get the GPS to work except when it was powered by
the same power source as the radio, I found a fried component that appears to
have been damaged by excess current.  It may be that you have a manufacturing
defect, or a current dammaged component too.  I am preparing to send my in for
repair.  The GPS port is working very irregularly and the ever present
firmware bug that causes poorly formatted packets to kill the TNC and make
X-mit and Recv stop working, is getting on my nerves.

I don't know if the version 2 of the D7A(G) is a firmware upgrade or not...
Will check on that before sending it in, or just write them a note to upgrade
it if that is possible.

-----
gregg@cytetech.com  (Cyte Technologies Inc)



---
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Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org
```

358. Become DEBT F R E E (Ct)

From: "Sadowsky Abelman" <SadowskyAbelman@i-mailbox.net>
Date: Sun, 13 Oct 2002 09:24:49 -0400
To: "Lantey Stodder" <Kotarski@i-mailbox.net>
Message-ID: <QQnllu08383.200210210140@chi6sosrv13.alter.net>
Rendered body type: text/html

```
:::   Free Debt Consultation!   ::: <http://secur%65-mall.net/sdebt/2/>

Reduce Your Monthly Payments!

Slash Interest Rates!
```

One Simple Low Monthly Payment!

Get a FREE Debt Analysis with No Obligation!

>> Click Here to Get Started! << <http://secure-mall.net/sdebt/2/>

If you're having debt problems, or would like to simplify things to help pay off your debt you may benefit from what they have to offer. Instead of paying many bills, you have only one bill to pay each month for ALL your accounts. You'll end up paying about half as much as you are paying now!

Settle all your Debt
For Good!

>> Click Here to Become Debt Free! << <http://secure-mall.ne%74/sdebt/2/>

This is your chance to permanently solve your Debt and Credit Problems! It worked for thousands and now it can work for you!

Reply to this message to be removed.

n3L6lQ6p35Afh757ecV3cBkAa26vxmg

---

359. [aprssig] Re: MS 2000

From: "Curt Mills, WE7U" <archer@eskimo.com>
Date: Sun, 20 Oct 2002 21:18:22 -0700 (PDT)
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: aprssig@lists.tapr.org
Message-ID: <LYR842-103809-2002.10.21-00.46.21--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

On Sun, 20 Oct 2002 WA8LMF2@aol.com wrote:

> No you don't. ATI explicitly passes the buck on the "Mobility Radeon" [
> motherboard-mounted chipset for laptops -- not a plugin card] back to the
> OEM using it, tells you to "contact your OEM".

:-(That sucks! Perhaps there are several methods of interfacing
their chipset into various motherboards, and they didn't want to
support all of the possible good & bad methods that the motherboard
manufacturers might have chosen.

Another possibility would be to find another manufacturer's site that
has a Win2k driver and try that. Might not work, but you might get
lucky.

```
Curt, WE7U.                             archer@eskimo.com
http://www.eskimo.com/~archer
  Lotto:  A tax on people who are bad at math. - unknown
Windows:  Microsoft's tax on computer illiterates. - WE7U.
```

You are currently subscribed to aprssig as: lyris.aprssig@tapr.org
To unsubscribe send a blank email to leave-aprssig-842K@lists.tapr.org
Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

---

360. [aprssig] Re: APRS Internet Servers

From: Jon Anhold <jon@snoopy.net>
Date: 21 Oct 2002 02:43:40 -0400
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: TAPR APRS Special Interest Group <aprssig@lists.tapr.org>
Message-ID: <LYR842-103824-2002.10.21-02.27.27--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

This is what's happening on third.aprs.net.. I refuse to let the aprs
server run as root (to bind to a port <1024.. e.g. 23), so 23 is being
redirected to 10152.

Not for the same reasons, but I agree with you anyway. :)

-j

On Fri, 2002-10-18 at 10:35, Gregg G. Wonderly wrote:
> >The following is a snip from a post I originally made on the UIView sig.
> >It is in regards to APRS Internet Server port standardization. While I
> >realize that port standardization may not be possible given the scope of
> >the APRS IS, I have decided to give it a try. This is based on my 1.5
> >years as an APRS Server sysop, and there may be conflicts with your own

> >ideas. I welcome any comments!
>
> It would be nice if someone would apply to the assigned numbers group for
> specific ports with specific names so that the use is documented and reserved.
> Then, any use of ports such as 23, should be in parallel with another port so
> that firewall isolated clients can use 23 if that works for them, but
> otherwise, servers without the ability to override the use of 23 would use the
> standard port for that service.
>
> -----
> gregg@cytetech.com (Cyte Technologies Inc)
>
>
>
> ---
> You are currently subscribed to aprssig as: jon@snoopy.net
> To unsubscribe send a blank email to leave-aprssig-842K@lists.tapr.org
> Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org
>

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Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

361. [aprssig] APRS on a Sharp SL5500G Linux PDA?

From: Wolf Hoeller <wolf.hoeller@gmx.net>
Date: Mon, 21 Oct 2002 21:18:41 +0200
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-103879-2002.10.21-15.00.19--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Hello!

I want to try APRS on the Linux PDA Zaurus SL5500G. Has anybody
experience with running Xastir on this little machine?

de Wolf, oe7ftj

You are currently subscribed to aprssig as: lyris.aprssig@tapr.org
To unsubscribe send a blank email to leave-aprssig-842K@lists.tapr.org
Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

362. [aprssig] TH7DA??do i want one?

From: Kevin Deckert <kdeckert@mercuryspeed.com>
Date: Sat, 19 Oct 2002 07:21:09 -0700
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-103895-2002.10.21-16.53.17--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Is one of those times when one faces the difficult decision of
purchasing a new radio!
Is the THD7A really what it claims to be?
Is it worth the money?
Is it dependable?
what do "you" not like about it?
Am seeking input to help me decide on purchasing one.
many thanks....ve7whk

You are currently subscribed to aprssig as: lyris.aprssig@tapr.org
To unsubscribe send a blank email to leave-aprssig-842K@lists.tapr.org
Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

363. [aprssig] Re: TH7DA??do i want one?

From: "Roy Bost" <rbost@itexas.net>
Date: Mon, 21 Oct 2002 17:20:14 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-103903-2002.10.21-18.03.11--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

It's only worth the money if you're going to use it for packet or APRS.
Otherwise get one of the new 5w palm size HT's.

```
---
You are currently subscribed to aprssig as: lyris.aprssig@tapr.org
To unsubscribe send a blank email to leave-aprssig-842K@lists.tapr.org
Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org
```

364. [aprssig] Re: TH7DA??do i want one?

```
From: "Peter \"Dakota\" Summerhawk" <dakotas@dotorg.org>
Date: Mon, 21 Oct 2002 17:17:56 -0600
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-103916-2002.10.21-19.01.04--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain
```

```
Kevin,
First the good:
 Personal tracker with just two pieces of equipment is great.  The ability
to have the a small package for weather alerts and sending small text
messages is outstanding as well.
Now the bad:
Standard battery is not enough to power the radio if your planning on using
both bands and the tnc with no battery saver to be able to catch packets.
Even the extended packs that Maha has that is either 6V 1800AH or 9.6V
1050AH on high power for transmitting is not really able to stand up to it.
If the TNC is just used on the rig it receives fine. Using the TNC in
"packet" mode makes it deaf as a post and needs an external antenna for any
kind of reception. I would recommend a good power supply for extended
operation. I do love my rig and would not trade it in for anything but it
does have its limitations but if its small package that you want then this
is your radio.
Peter N0WRE
----- Original Message -----
From: "Kevin Deckert" <kdeckert@mercuryspeed.com>
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Sent: Saturday, October 19, 2002 8:21 AM
Subject: [aprssig] TH7DA??do i want one?


> Is one of those times when one faces the difficult decision of
> purchasing a new radio!
> Is the THD7A  really what it claims to be?
> Is it worth the money?
> Is it dependable?
> what do "you"  not like about it?
> Am seeking input to help me decide on purchasing one.
> many thanks....ve7whk
>
>
> ---
> You are currently subscribed to aprssig as: Dakotas@dotorg.org
> To unsubscribe send a blank email to leave-aprssig-842K@lists.tapr.org
> Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org
>


---
You are currently subscribed to aprssig as: lyris.aprssig@tapr.org
To unsubscribe send a blank email to leave-aprssig-842K@lists.tapr.org
Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org
```

365. [aprssig] thd7!

```
From: Kevin Deckert <kdeckert@mercuryspeed.com>
Date: Sat, 19 Oct 2002 09:36:40 -0700
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-103918-2002.10.21-19.08.51--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain
```

```
I thank all those who replied to my query as to the thd7ag  I am working
APRS with our SAR group so will go for it.!!!
ve7whk.


---
You are currently subscribed to aprssig as: lyris.aprssig@tapr.org
To unsubscribe send a blank email to leave-aprssig-842K@lists.tapr.org
Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org
```

366. [aprssig] Re: TH7DA??do i want one?

From: "Ben Miller" <benm@applink.net>
Date: Mon, 21 Oct 2002 18:41:49 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-103919-2002.10.21-19.23.59--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

I've loved mine. The only complaint I've had is the battery charge
connector. I had to replace one on my first D7 and I don't get a very
positive connection on my D7(G). I have to admit that I've been pretty
rough on them though.

Ben Miller
W5MBM
Vice President - Rockwall Amateur Radio Club
Rowlett Texas RACES Radio Officer 804

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To unsubscribe send a blank email to leave-aprssig-842K@lists.tapr.org
Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

---

367. [aprssig] Re: TH7DA??do i want one?

From: "Lloyd Mitchell" <lloydm75@hotmail.com>
Date: Mon, 21 Oct 2002 20:20:51 -0400
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-103921-2002.10.21-20.03.42--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

I love mine too. Just dont drop it. The radio was hit while on my belt.
the battery clip let go letting the radio fly off. The radio (sans the
battery) hit square on the bottom, cracked the battery clip, the exterior
plastic case was okay but the "pot metal" backplate/heatsink of the D7a
broke.

Kenwoody wanted too much to repair so I use it at home on a power supply as
a tnc/radio combo.

I wish it was mobile again but it was too expensive to repair.

Lloyd KD4HTW

----- Original Message -----
From: "Ben Miller" <benm@applink.net>
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Sent: Monday, October 21, 2002 7:41 PM
Subject: [aprssig] Re: TH7DA??do i want one?

> I've loved mine. The only complaint I've had is the battery charge
> connector. I had to replace one on my first D7 and I don't get a very
> positive connection on my D7(G). I have to admit that I've been pretty
> rough on them though.
>
> Ben Miller
> W5MBM
> Vice President - Rockwall Amateur Radio Club
> Rowlett Texas RACES Radio Officer 804
>
>
>
> ---
> You are currently subscribed to aprssig as: lloydm75@hotmail.com
> To unsubscribe send a blank email to leave-aprssig-842K@lists.tapr.org
> Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org
>

You are currently subscribed to aprssig as: lyris.aprssig@tapr.org
To unsubscribe send a blank email to leave-aprssig-842K@lists.tapr.org
Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

---

368. Your confirmation is needed (ok 842)

From: Lyris <unsubscribe-confirm@lists.tapr.org>
Date: Tue, 22 Oct 2002 00:24:53 -0500
To: lyris.aprssig@tapr.org
Message-ID: <LYR842-103961-2002.10.22-00.24.53--lyris.aprssig#tapr.org@lists.tapr.org>

Rendered body type: text/plain

```
Your email address 'lyris.aprssig@tapr.org' has been submitted to be
unsubscribed from the 'aprssig' mailing list.

This unsubscribe command requires your confirmation that you want to be
unsubscribed.

To confirm that you do want to unsubscribe, reply to this message so that
the words "ok 842" appear somewhere on the subject line.

Make sure that your reply message is addressed to
unsubscribe-confirm@lists.tapr.org

You will receive notification that your confirmation has been received, and
that you have been unsubscribed.

If you do not want to unsubscribe, do nothing.  You will be kept on the
mailing list.

---

Return-Path: <arab@hotpop.com>
Return-Path: arab@hotpop.com
Received: from talk21.com ([65.148.106.241]) by lists.tapr.org with SMTP (Lyris Server version 3.0);
Tue, 22 Oct 2002 00:24:44 -0500
Received: from talk21.com by 6DU47L163G.talk21.com with SMTP for subscribe-aprssig@lists.tapr.org; Mon,
21 Oct 2002 21:58:49 -0800
Importance: Normal
From: arab@hotpop.com
Reply-To: arab@hotpop.com
Date: Mon, 21 Oct 2002 21:58:49 -0800
Message-Id: <6MRAVK5HP94F5BAH0.RSQ86WX5J55.arab@hotpop.com>
Content-Type: text/html; charset="iso-8859-1"
X-Priority: 3 (Normal)
To: aprssig-request
X-Sender: arab@hotpop.com
Content-Transfer-Encoding: 8bit
Subject:
X-Mailer: AOL 7.0 for Macintosh DE sub 14800

# Mail sent to leave-aprssig-842k was converted to these commands:
unsubscribe aprssig lyris.aprssig@tapr.org confirm
end

# This is the text of the message that triggered the action:

Return-Path: <arab@hotpop.com>
Received: from talk21.com ([65.148.106.241]) by lists.tapr.org with SMTP (Lyris Server version 3.0);
Tue, 22 Oct 2002 00:24:44 -0500
Importance: Normal
From: arab@hotpop.com
Return-Path: arab@hotpop.com
Reply-To: arab@hotpop.com
Received: from talk21.com by 6DU47L163G.talk21.com with SMTP for subscribe-aprssig@lists.tapr.org; Mon,
21 Oct 2002 21:58:49 -0800
Date: Mon, 21 Oct 2002 21:58:49 -0800
Message-Id: <6MRAVK5HP94F5BAH0.RSQ86WX5J55.arab@hotpop.com>
Content-Type: text/html; charset="iso-8859-1"
X-Priority: 3 (Normal)
To: subscribe-aprssig@lists.tapr.org
X-Sender: arab@hotpop.com
Content-Transfer-Encoding: 8bit
Subject: Manage Your Wealth Today
X-Mailer: AOL 7.0 for Macintosh DE sub 14800

<HTML>
<HEAD>
<TITLE>1681-001</TITLE>
<META http-equiv=Content-Type content="text/html; charset=windows-1252">
</HEAD>
<BODY>
<img src="http://trackzen.com/cgi-bin/statSend.asp?camp=1681-001e" border="0" width=1" height="1">
<DIV align=center>
<CENTER>
<TABLE cellSpacing=0 cellPadding=0 width=400 border=1>
  <TBODY>
  <TR>
    <TD width=404>
      <TABLE id=AutoNumber5 style="BORDER-COLLAPSE: collapse"
      borderColor=#111111 cellSpacing=0 cellPadding=0 border=0>
        <TBODY>
        <TR>
          <TD align=right width="50%"><FONT color=#ff0000
            size=7>2.2%&nbsp;&nbsp; </FONT></TD>
          <TD width="50%"><B><FONT color=#ff0000 size=4>Home Mortgage Rates</FONT></B></TD></TR>
        <TR>
          <TD align=middle width="100%" colSpan=2><A
            href="http://trackzen.com/cgi-bin/home.asp?camp=1681-001">
          <IMG src="http://trackzen.com/1681-001/images/home.jpg" border=0>
            </A><BR><FONT face=Arial><B>Pay Off Debt&nbsp;&nbsp; □&nbsp;&nbsp;
            Fund your 401k</B> </FONT>
          <p><font face="Arial">Purchase □ Re-Finance<BR><br>
          No Documentation&nbsp; □&nbsp; W-2&nbsp; □&nbsp; Self-Employed<br>
          <BR>Take Advantage Now ! <BR>Mortgage Rates
            Are At An Incredible Low! <BR><BR>Enjoy the Luxury of <BR>Extra
            Cash!</font> <BR><BR><A
            href="http://trackzen.com/cgi-bin/home.asp?camp=1681-001"><FONT
            face=Arial color=#800080 size=4>For More Info, Click Here!
            </FONT></A>
          </p>
          <p><BR><FONT face=Arial size=1>Your email address was
            obtained from an opt-in list. If you wish to be taken off this list,
            please <A
            href="http://trackzen.com/cgi-bin/home.asp?camp=1681-001&rem=1">Select
            Here. </A>If you have previously dealt with this matter and are
            still receiving this message, you may call our Abuse Control Center
            at 1-866-667-5399, or write us at: RAI PO Box 72905 Richmond, VA
            23235-8022.
</FONT></TD></TR></TBODY></TABLE></TD></TR></TBODY></TABLE></CENTER></DIV></BODY></HTML>
```

---

369. TAx Break on Credit Card Debt

From: amini@hotpop.com
Date: Mon, 21 Oct 2002 23:04:22 -0800
To: lyris.aprssig@tapr.org
Message-ID: <8KKJ3CYA8B8H3Y6YWP3.462N2BOJBF8A8BML7.amini@hotpop.com>
Rendered body type: text/html

1681-001

2.2%

Home Mortgage Rates

<http://trackzen.com/cgi-bin/home.asp?camp=1681-001>
Pay Off Debt □
Fund your 401k

Purchase □ Re-Finance

No Documentation □ W-2 □ Self-Employed

Take Advantage Now !
Mortgage Rates
Are At An Incredible Low!

Enjoy the Luxury of
Extra
Cash!

For More Info, Click Here!
<http://trackzen.com/cgi-bin/home.asp?camp=1681-001>

Your email address was
obtained from an opt-in list. If you wish to be taken off this list,
please Select
Here. <http://trackzen.com/cgi-bin/home.asp?camp=1681-001&rem=1>If you have previously dealt with this matter and are
still receiving this message, you may call our Abuse Control Center
at 1-866-667-5399, or write us at: RAI PO Box 72905 Richmond, VA
23235-8022.

---

370. [aprssig] RE: aprssig digest: October 21, 2002

From: "Gilson, Ron" <RGilson@ecmc.edu>
Date: Tue, 22 Oct 2002 07:44:37 -0400
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-103974-2002.10.22-07.27.42--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

While we are on the subject of Kenwood evaluations, how does the D700 stack
up. I would like to use GPS and general purpose dual band mobile ham in
addition to MARS. Any one got any idea of receiver & transmitter
performance once you leave the ham bands? Thanks. 73's
Ron
WA2WWK

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To unsubscribe send a blank email to leave-aprssig-842K@lists.tapr.org
Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

371. [aprssig] Re: D700

From: ERIC CHRISTENSEN <christensene@mebtel.net>
Date: Tue, 22 Oct 2002 09:07:33 -0400
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-103978-2002.10.22-07.52.03--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Just my 2 cents worth...

I really like my D700A. I haven't had any problems with it. The
receiver seems to be pretty consistant throughout the VHF and UHF band
(Amateur and Non-Amateur). The transmitter appears to be stable
throughout the MARS/CAP portion of the band. I haven't been able to
tell the difference in Amateur frequencies and military frequencies as
far as coverage. I wish I had the time to put this radio on a scope
and a service monitor to be able to tell where the radio starts to
significantly drop off in sensitivity and power. Maybe someone on here
has done that.

73s,
Eric KF4OTN

----- Original Message -----
From: "Gilson, Ron" <RGilson@ecmc.edu>
Date: Tuesday, October 22, 2002 7:44 am
Subject: [aprssig] RE: aprssig digest: October 21, 2002

> While we are on the subject of Kenwood evaluations, how does the
> D700 stack
> up. I would like to use GPS and general purpose dual band mobile
> ham in
> addition to MARS. Any one got any idea of receiver & transmitter
> performance once you leave the ham bands? Thanks. 73's
> Ron
> WA2WWK
>
> ---
> You are currently subscribed to aprssig as: christensene@mebtel.net
> To unsubscribe send a blank email to leave-aprssig-
> 29005P@lists.tapr.orgQuestions regarding the SIG go to the SIG
> administrator: wa1lou@tapr.org
>
>

You are currently subscribed to aprssig as: lyris.aprssig@tapr.org
To unsubscribe send a blank email to leave-aprssig-842K@lists.tapr.org
Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

372. [aprssig] RE: aprssig digest: October 21, 2002

From: <dodom@mindspring.com>
Date: Tue, 22 Oct 2002 08:10:13 -0400
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-103979-2002.10.22-07.52.43--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Its main attraction to me is its ability to do APRS and voice at the same
time. My other dual band rigs do not do this smoothly. Receive outside the
ham bands seems fine but I have no experience with TX.

W4VOR
----- Original Message -----
From: "Gilson, Ron" <RGilson@ecmc.edu>
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Sent: Tuesday, October 22, 2002 7:44 AM

Subject: [aprssig] RE: aprssig digest: October 21, 2002

> While we are on the subject of Kenwood evaluations, how does the D700
stack
> up. I would like to use GPS and general purpose dual band mobile ham in
> addition to MARS. Any one got any idea of receiver & transmitter
> performance once you leave the ham bands? Thanks. 73's
> Ron
> WA2WWK
>
> ---
> You are currently subscribed to aprssig as: dodom@mindspring.com
> To unsubscribe send a blank email to leave-aprssig-842K@lists.tapr.org
> Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org
>

You are currently subscribed to aprssig as: lyris.aprssig@tapr.org
To unsubscribe send a blank email to leave-aprssig-842K@lists.tapr.org
Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

373. [aprssig] Re: telemetry

From: Steve Dimse <k4hg@tapr.org>
Date: Tue, 22 Oct 2002 08:34:53 -0400
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: TAPR APRS Special Interest Group <aprssig@lists.tapr.org>
Message-ID: <LYR842-103981-2002.10.22-08.16.26--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

On 10/18/02 at 11:08 PM bherrman@spro.net (Bill Herrmann) sent:

>
>I should also ask - which APRS clients support telemetry? (by support
>telemetry I mean including the labels, equations, and units.)
>Obviously APRSDOS does. UI View has a non-released add-in. How about the
>others?

I asked in May if anyone was using the label feature:

http://www.tapr.org/tapr/list-archive/aprssig/0205/msg00513.html

I only got a single response, from Henk de Groot, that DIGI_NED send them
(though apparently with a path that prevented them from reaching the APRS IS). I
concluded there was no need to support this feature within findU, though I'm
willing to revist that.

I have a preliminary cgi working (which I also mentioned in that May message),
but haven't done much on it due to a lack of interest from the masses. It plots
the values one report to a horizontal pixel, there is no time scale, which is
the major part of the work it needs to be complete. Some interesting plots:

http://www.findu.com/cgi-bin/tele.cgi?call=KJ7AZ-6&last=120
http://www.findu.com/cgi-bin/tele.cgi?call=K13C&last=120
http://www.findu.com/cgi-bin/tele.cgi?call=VE7MR&last=120
http://www.findu.com/cgi-bin/tele.cgi?call=K9D9&last=120

I can put this back on the infamous do list if people have an interest in it...

If anyone is sending the equation/label packets, and they are making it to the
APRS IS, please let me know...

Steve K4HG

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To unsubscribe send a blank email to leave-aprssig-842K@lists.tapr.org
Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

374. [aprssig] Re: telemetry

From: Steve Dimse <k4hg@tapr.org>
Date: Tue, 22 Oct 2002 08:37:27 -0400
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: TAPR APRS Special Interest Group <aprssig@lists.tapr.org>,
TAPR APRS Special Interest Group <aprssig@lists.tapr.org>
Message-ID: <LYR842-103983-2002.10.22-08.19.19--lyris.aprssig#tapr.org@lists.tapr.org>

Rendered body type: text/plain

```
On 10/19/02 at 7:37 AM archer@eskimo.com (Curt Mills, WE7U) sent:

>> It also implied that I could send them from another station which might be
>> a way around the digi not having enough ways to send packets. Does that work?
>
>It's relatively easy to "fake" packets as being from another station,
>simply be writing a program/script to generate the packets and
>injecting them into the IS stream.  That's how the QUAKE packets and
>other similar objects are created.  You could do the same with the
>telemetry description packets for a station that is unable to
>describe them itself.  Maybe there are other methods as well.

One of the ideas I considered with was to have them be parameters to the
cgi...it would be long and ungainly to type, but would allow people to have a
link on a web page to show off their data. This would do nothing for on the air
clients though.

Steve K4HG

---
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```

375. [aprssig] Wx Stations?

From: "Peter \"Dakota\" Summerhawk" <dakotas@dotorg.org>
Date: Tue, 22 Oct 2002 06:46:43 -0600
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-103985-2002.10.22-08.29.56--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

```
I am looking at putting a WX station the house and wanted to know what there
is on the market that will work with APRS? Is there a wed site that has a
comparison of the stations that I might be able to take look at? Any
information would be helpful.
Thanks for the information in advance!
Peter "Dakota" Summerhawk


---
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```

376. [aprssig] Re: Wx Stations?

From: "Patrick Karp" <pkarp@conwaycorp.net>
Date: Tue, 22 Oct 2002 08:01:06 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-103989-2002.10.22-08.43.59--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

```
How much money you got to spend?  ;-)

As I understand you can hook a weather station directly to the
KPC3plus and send weather info.  Is this true and can some one share
some more info on it please?

----- Original Message -----
From: "Peter "Dakota" Summerhawk" <dakotas@dotorg.org>
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Sent: Tuesday, October 22, 2002 7:46 AM
Subject: [aprssig] Wx Stations?


> I am looking at putting a WX station the house and wanted to know
what there
> is on the market that will work with APRS? Is there a wed site that
has a
> comparison of the stations that I might be able to take look at? Any
> information would be helpful.
> Thanks for the information in advance!
> Peter "Dakota" Summerhawk
>
>
> ---
> You are currently subscribed to aprssig as: pkarp@conwaycorp.net
> To unsubscribe send a blank email to
```

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leave-aprssig-842K@lists.tapr.org
> Questions regarding the SIG go to the SIG administrator:
wa1lou@tapr.org
>
>
>



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```

377. [aprssig] Re: Wx Stations?

From: "Don" <kyham@alltel.net>
Date: Tue, 22 Oct 2002 08:54:51 -0400
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-103990-2002.10.22-08.50.42--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

```
Check out  Weather Display.  Great program and creates the WX file needed
for most APRS software.   Supports just about every model of weather
station.


Don            K9SOA   (EM77EX)
HF-2m-70cm-APRS
www.k9soa.net

Home of JEANNIE
The House That Listens
As seen on HGTV's Dream Builder Show
and the Featured Home of the Month
Home Automation magazine
March 2002 issue


----- Original Message -----
From: Peter "Dakota" Summerhawk <dakotas@dotorg.org>
To: TAPR APRS Special Interest Group <aprssig@lists.tapr.org>
Sent: Tuesday, October 22, 2002 8:46 AM
Subject: [aprssig] Wx Stations?


> I am looking at putting a WX station the house and wanted to know what
there
> is on the market that will work with APRS? Is there a wed site that has a
> comparison of the stations that I might be able to take look at? Any
> information would be helpful.
> Thanks for the information in advance!
> Peter "Dakota" Summerhawk
>
>
> ---
> You are currently subscribed to aprssig as: kyham@alltel.net
> To unsubscribe send a blank email to leave-aprssig-842K@lists.tapr.org
> Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org
>


---
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```

378. [aprssig] RE: aprssig digest: October 21, 2002

From: Matt Steinhoff <mls@steinhoff.net>
Date: Tue, 22 Oct 2002 09:39:11 -0400
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: aprssig@lists.tapr.org
Message-ID: <LYR842-103991-2002.10.22-09.22.05--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

```
> From: "Gilson, Ron" <RGilson@ecmc.edu>
> on the subject of Kenwood evaluations, how does the
> D700 stack up.  I would like to use GPS and general
> purpose dual band mobile ham in addition to MARS.
```

I have had my D700 for nearly a year now. It has preformed flawlessly and interfaces cleanly with my Garmin eTrex Legend. If you are doing mobile APRS, this is the only radio to buy. I have used the radio outside of the ham bands and noticed no real problems. I can't speak toward spectral purity, but power holds up fairly well out-of-band; better than 85% on both UHF and VHF on the high power setting.

Living in Florida and traveling to the Southwestern United States once a year or so, the inside of my car often gets uber hot. Early on, I was worried about the D700's display. It survived summer in Florida, New Mexico and Arizona.

If looking for just a dual band rig, I can't say I would recommend the D700. It costs too darn much if you aren't going to use the APRS features. If you are into APRS, I wouldn't recommend anything but the D700.

(As a side note, I bought the D7A(g) almost a year before buying the D700. In retrospect, I wish I didn't buy the D7 and instead got a simply dual-band radio. While a fine radio, I find I hardly ever use it's APRS features anymore. I generally only APRS while mobile. The D700 fixed a lot of my minor gripes with the D7. I find the battery life to be fairly short when both bands and the TNC are running. By the time you add in the radio, spare batteries, GPS, cables, etc., the D7 is fairly cumbersome. I can't imagine using it pedestrian mobile for any length of time. I have used it quite often bicycle mobile but I tend to run out of battery power long before I'm done riding even with a spare battery. So, for APRS, unless you *really* need an HT, the D700 is really the better deal.)

Matt (k4mls)

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---

379. [aprssig] Re: D700

From: "Dick C. Reichenbach" <dreichen@columbus.rr.com>
Date: Tue, 22 Oct 2002 09:48:17 -0400
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: TAPR APRS Special Interest Group <aprssig@lists.tapr.org>
Message-ID: <LYR842-103993-2002.10.22-09.28.37--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

I haven't had any out of bands experience. I do wish it would receive the Commercial FM band, but oh, well.

Mine has been pretty solid so far. I carry mine on the back of my motorcycle and it hasn't yet complained about the vibration or temperature extremes. I did have to replace the control head wire. Knock on wood, that's all so far.

Dick Reichenbach - KC8OBZ

> ----- Original Message -----
> From: "Gilson, Ron" <RGilson@ecmc.edu>
> Date: Tuesday, October 22, 2002 7:44 am
> Subject: [aprssig] RE: aprssig digest: October 21, 2002
>
> > While we are on the subject of Kenwood evaluations, how does the
> > D700 stack
> > up. I would like to use GPS and general purpose dual band mobile
> > ham in
> > addition to MARS. Any one got any idea of receiver & transmitter
> > performance once you leave the ham bands? Thanks. 73's
> > Ron
> > WA2WWK

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380. [aprssig] D700

From: David VanHorn <dvanhorn@cedar.net>
Date: Tue, 22 Oct 2002 08:46:29 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: aprssig@lists.tapr.org
Message-ID: <LYR842-103994-2002.10.22-09.29.54--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

So tell me, from an overall perspective, what's it like using the D700?

I've tried a number of approaches, multiplexing the TM-V7a (which I did not like!) and for now, settled on a kpc-3 based dual mode tracker running UI-View, or just as a dumb tracker.

What constraints am I going to see, having APRS back in my main voice radio?

---
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381. [aprssig] D7 lessons

From: "Peter \"Dakota\" Summerhawk" <dakotas@dotorg.org>
Date: Tue, 22 Oct 2002 08:13:46 -0600
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-103998-2002.10.22-09.56.58--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

as far as the GPS and the D7 goes I found a solution for that. http://www.galls.com/shop/viewProductDetail.jsp?item=FE280 they sell a dual pouch chestpack for such equipment I have also found that there are a lot of sporting goods stores that sell dual pouch belt holsters for holding GPS and the D7 I have been using the D7 with the Maha hicap packs and the posit report rate of 2 min. I have also used a hi gain antenna like the SMA-3 or the HT-224 from Comet. All of this seems to work well for the most part. If your using both bands and the tnc the D7 eats batteries like no tomorrow if the power for the data side is set to high power. But if you are in range of the local digi set it to low or extra low to conserve battery life. I have the data side set to low. and the posit rate set to two min. Hope this helps

Peter "Dakota" Summerhawk

---
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Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

382. [aprssig] Re: D7 lessons

From: David VanHorn <dvanhorn@cedar.net>
Date: Tue, 22 Oct 2002 09:20:13 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-103999-2002.10.22-10.02.54--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

> But if you are in range of
>the local digi set it to low or extra low to conserve battery life. I have
>the data side set to low. and the posit rate set to two min. Hope this helps

When I'm travelling, I set the D7 to digi through my car.
20mW on the HT, 50W out of the car. Car power is a lot cheaper :)

---
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383. [aprssig] Re: APRS on a Sharp SL5500G Linux PDA?

From: "Dick C. Reichenbach" <dreichen@columbus.rr.com>
Date: Tue, 22 Oct 2002 10:24:43 -0400
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: TAPR APRS Special Interest Group <aprssig@lists.tapr.org>
Message-ID: <LYR842-104000-2002.10.22-10.05.06--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Well, you could try it and let us know how it works!

Dick Reichenbach - KC8OBZ

Wolf Hoeller wrote:

> Hello!
>
> I want to try APRS on the Linux PDA Zaurus SL5500G. Has anybody
> experience with running Xastir on this little machine?
>
> de Wolf, oe7ftj

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384. [aprssig] Re: D700

From: "Roy Bost" <rbost@itexas.net>
Date: Tue, 22 Oct 2002 09:49:37 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: <aprssig@lists.tapr.org>
Message-ID: <LYR842-104010-2002.10.22-10.32.28--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

There will be times when the data (APRS) channel will override the voice
channel. The voice channel is capable of dual band operation, just one band
at a time. All on one antenna!

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Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

385. [aprssig] Re: D700

From: David VanHorn <dvanhorn@cedar.net>
Date: Tue, 22 Oct 2002 09:52:58 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: aprssig@lists.tapr.org
Message-ID: <LYR842-104012-2002.10.22-10.35.54--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

At 09:49 AM 10/22/2002 -0500, Roy Bost wrote:
>There will be times when the data (APRS) channel will override the voice
>channel. The voice channel is capable of dual band operation, just one band at a time. All on one antenna!

Can the priority be adjusted?
In the V7, data has priority, period.

"Yeah bill I see a "<BRAAAK>" by the intersection of "<BRAAAK>

Unacceptable.

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Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

386. [aprssig] Re: D700

From: Phil Reed <preed@dnaco.net>
Date: Tue, 22 Oct 2002 11:20:01 -0400
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: aprssig@lists.tapr.org
Message-ID: <LYR842-104013-2002.10.22-11.06.51--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

On the D700, I believe that voice transmit has priority over data transmit
at all times.

>Can the priority be adjusted?
>In the V7, data has priority, period.

```
>
>"Yeah bill I see a "<BRAAAK>" by the intersection of "<BRAAAK>
>
>Unacceptable.

---

                                  ...phil / w8sca

"For a list of all the ways technology has failed
     to improve the quality of life, press 3."


---
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```

387. [aprssig] Re: D700

From: "Roy Bost" <rbost@itexas.net>
Date: Tue, 22 Oct 2002 10:24:02 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: <aprssig@lists.tapr.org>
Message-ID: <LYR842-104015-2002.10.22-11.06.57--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

```
The voice channel generally has priority (unlike the V-7!).  Mostly you
don't notice the APRS side in operation.

> Can the priority be adjusted?
> In the V7, data has priority, period.
>
> "Yeah bill I see a "<BRAAAK>" by the intersection of "<BRAAAK>
>
> Unacceptable.



---
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```

388. [aprssig] Re: D700

From: "Dick C. Reichenbach" <dreichen@columbus.rr.com>
Date: Tue, 22 Oct 2002 11:57:31 -0400
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: TAPR APRS Special Interest Group <aprssig@lists.tapr.org>
Message-ID: <LYR842-104017-2002.10.22-11.37.20--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

```
Umm.  I notice mine all the time.  ASSUMING you are talking on 2 meters and
running APRS on 2 meters, the priority is Voice Transmit, APRS Transmit, and
then Receive Audio.  So you will be talking to a person on the repeater, key
down, APRS will transmit immediatly, and successfully cover up the first few
words the other person is saying on the repeater.

According to the manual, if you are using a 70cm repeater, this doesn't
happen, but I havn't tried that yet.

> Roy Bost wrote:
>
> The voice channel generally has priority (unlike the V-7!).  Mostly you
> don't notice the APRS side in operation.


Phil Reed wrote:

> On the D700, I believe that voice transmit has priority over data transmit
> at all times.
>
> >Can the priority be adjusted?
> >In the V7, data has priority, period.
> >
> >"Yeah bill I see a "<BRAAAK>" by the intersection of "<BRAAAK>
> >
> >Unacceptable.
>
> ---
```

```
>
>                                    ...phil / w8sca
>
> "For a list of all the ways technology has failed
>      to improve the quality of life, press 3."
>
> ---
> You are currently subscribed to aprssig as: dreichen@columbus.rr.com
> To unsubscribe send a blank email to leave-aprssig-842K@lists.tapr.org
> Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org


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```

389. [aprssig] Re: D700

From: "Tim Cunningham" <tim_cunningham@mindspring.com>
Date: Tue, 22 Oct 2002 10:58:58 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-104018-2002.10.22-11.43.01--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

```
> The voice channel generally has priority (unlike the V-7!).  Mostly you
> don't notice the APRS side in operation.
>
> > Can the priority be adjusted?
> > In the V7, data has priority, period.
> >
> > "Yeah bill I see a "<BRAAAK>" by the intersection of "<BRAAAK>
> >
> > Unacceptable.


Concerning the D700:

If the unit is transmitting APRS data, it will disable your PTT line
until it completes the data transmission.

If you are talking, the APRS transmission will hold off until the
PTT is released.


Tim - N8DEU
Huntsville, AL

---
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```

390. [aprssig] Re: D700

From: "Tim Cunningham" <tim_cunningham@mindspring.com>
Date: Tue, 22 Oct 2002 11:03:14 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-104019-2002.10.22-11.46.23--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

```
Clarification: This is true is you have the same band programmed in the A and B
side of the radio on the D700. I have not tried it with separate bands.

Tim - N8DEU


----- Original Message -----
From: "Tim Cunningham" <tim_cunningham@mindspring.com>
To: "Roy Bost" <rbost@itexas.net>; "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Sent: Tuesday, October 22, 2002 10:58 AM
Subject: Re: [aprssig] Re: D700


>
>
> > The voice channel generally has priority (unlike the V-7!).  Mostly you
> > don't notice the APRS side in operation.
> >
> > > Can the priority be adjusted?
> > > In the V7, data has priority, period.
```

> > >
> > > "Yeah bill I see a "<BRAAAK>" by the intersection of "<BRAAAK>
> > >
> > > Unacceptable.
>
>
> Concerning the D700:
>
> If the unit is transmitting APRS data, it will disable your PTT line
> until it completes the data transmission.
>
> If you are talking, the APRS transmission will hold off until the
> PTT is released.
>
>
> Tim - N8DEU
> Huntsville, AL

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Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

391. [aprssig] Re: D700

From: "Dennis Hudson, N2LBT" <n2lbt@n2lbt.com>
Date: Tue, 22 Oct 2002 12:15:14 -0400
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-104020-2002.10.22-11.58.22--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

on 10/22/02 12:03, Tim Cunningham at tim_cunningham@mindspring.com wrote:

>
> Clarification: This is true is you have the same band programmed in the A and
> B
> side of the radio on the D700. I have not tried it with separate bands.
>
> Tim - N8DEU
>

I use the radio primarily with uhf on the right side, and APRS on the left.
If APRS transmits, it shuts off the receiver on the right.

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Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

392. [aprssig] Re: D700

From: dale huguley <kg5qd@earthlink.net>
Date: 22 Oct 2002 12:13:36 -0400
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: "TAPR APRS Special Interest Group <aprssig@lists.tapr.org>
▯<LYR22291-103994-2002.10.22-09.29.54--kg5qd#earthlink.net@lists.tapr.org>"
▯<LYR22291-103994-2002.10.22-09.29.54--kg5qd#earthlink.net@lists.tapr.org>
Message-ID: <LYR842-104022-2002.10.22-12.05.36--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

On Tue, 2002-10-22 at 09:46, David VanHorn wrote:
>
> So tell me, from an overall perspective, what's it like using the D700?
>
> I've tried a number of approaches, multiplexing the TM-V7a (which I did not like!) and for now, settled on a kpc-3 based dual mode tracker running UI-View, or just as a dumb tracker.
>
> What constraints am I going to see, having APRS back in my main voice radio?

In the D700 you have the option of using the data tx band or both bands
a & b for dcd sense to inhibit transmission- my experimentation leads me
to believe this is not true dcd sensing- voice modulation on the b band
will inhibit transmission on the a band if dcd sense is set to both.
This effectively lets you set which has priority - aprs or voice.

73 de kg5qd Dale

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393. [aprssig] Re: Wx Stations?

From: "Curt Mills, WE7U" <hacker@tc.fluke.com>
Date: Tue, 22 Oct 2002 10:00:44 -0700 (PDT)
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: TAPR APRS Special Interest Group <aprssig@lists.tapr.org>
Message-ID: <LYR842-104024-2002.10.22-12.43.36--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

```
On Tue, 22 Oct 2002, Peter "Dakota" Summerhawk wrote:

> I am looking at putting a WX station the house and wanted to know what there
> is on the market that will work with APRS? Is there a wed site that has a
> comparison of the stations that I might be able to take look at? Any
> information would be helpful.

http://www.eskimo.com/~archer/xastir.html shows which weather
stations are currently supported with Xastir.  Might not be what
you're looking for, but it _is_ an option.

--
Curt Mills, WE7U                    hacker_NO_SPAM_@tc.fluke.com
Senior Methods Engineer/SysAdmin
"Lotto:    A tax on people who are bad at math!"
"Windows:  Microsoft's tax on computer illiterates!" -- WE7U
"The world DOES revolve around me:  I picked the coordinate system!"


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```

394. [aprssig] Re: Wx Stations?

From: "Curt Mills, WE7U" <hacker@tc.fluke.com>
Date: Tue, 22 Oct 2002 10:02:16 -0700 (PDT)
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: TAPR APRS Special Interest Group <aprssig@lists.tapr.org>
Message-ID: <LYR842-104025-2002.10.22-12.45.21--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

```
On Tue, 22 Oct 2002, Patrick Karp wrote:

> How much money you got to spend?  ;-)
>
> As I understand you can hook a weather station directly to the
> KPC3plus and send weather info.  Is this true and can some one share
> some more info on it please?

$88 + about $35 shipping (Fed Ex from Mexico, the only option) gets
you a One-Wire weather station with temperature, wind speed, and
wind direction.  That's pretty cheap.  It's supported in Xastir now.

I think that's the cheapest option going.  You can sensors to it as
money allows.

--
Curt Mills, WE7U                    hacker_NO_SPAM_@tc.fluke.com
Senior Methods Engineer/SysAdmin
"Lotto:    A tax on people who are bad at math!"
"Windows:  Microsoft's tax on computer illiterates!" -- WE7U
"The world DOES revolve around me:  I picked the coordinate system!"


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```

395. [aprssig] Re: Wx Stations?

From: Curt Mills <hacker@tc.fluke.com>
Date: Tue, 22 Oct 2002 10:21:05 -0700 (PDT)
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-104026-2002.10.22-13.03.58--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

```
On Tue, 22 Oct 2002, Curt Mills, WE7U wrote:

> On Tue, 22 Oct 2002, Patrick Karp wrote:
>
> > How much money you got to spend?  ;-)
> >
> > As I understand you can hook a weather station directly to the
> > KPC3plus and send weather info.  Is this true and can some one share
> > some more info on it please?
>
> $88 + about $35 shipping (Fed Ex from Mexico, the only option) gets
> you a One-Wire weather station with temperature, wind speed, and
> wind direction.  That's pretty cheap.  It's supported in Xastir now.
>
> I think that's the cheapest option going.  You can sensors to it as
                                                     ^
                                                 add/hook
> money allows.

--
Curt Mills, WE7U                    hacker_NO_SPAM_@tc.fluke.com
Senior Methods Engineer/SysAdmin
"Lotto:    A tax on people who are bad at math!"
"Windows:  Microsoft's tax on computer illiterates!" -- WE7U
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Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org
```

396. [aprssig] Re: D700

From: ERIC CHRISTENSEN <christensene@mebtel.net>
Date: Tue, 22 Oct 2002 14:33:44 -0400
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-104027-2002.10.22-13.16.57--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

```
> I use the radio primarily with uhf on the right side, and APRS on
> the left.
> If APRS transmits, it shuts off the receiver on the right.
>
I find this NOT to be the case.  If the D700 transmits on APRS
(144.390MHz) it will not affect the UHF side (transmit nor receive).

Eric KF4OTN


---
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```

397. [aprssig] Re: Wx Stations?

From: "Joe Dorn" <joedorn@stonemedia.com>
Date: Tue, 22 Oct 2002 12:51:29 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-104030-2002.10.22-13.36.59--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

```
The Peet Brothers' units are the most APRS friendly in my opinion. You do not need a
separate computer interface to keep it online. I have one that has been running for
several years without problems other than loss of power, I now have it on a UPS.

You may view it in operation at:

http://www.findu.com/cgi-bin/wxpage.cgi?call=w5vex-1&radar=ewx&last=120

Peet Brothers has a web site at:

http://www.peetbros.com/

They also have excellent support...

Joe Dorn, W5VEX, Belton, Texas

-----Original Message-----
From: bounce-aprssig-23581@lists.tapr.org [mailto:bounce-aprssig-23581@lists.tapr.org]On
```

Behalf Of Curt Mills, WE7U
Sent: Tuesday, October 22, 2002 12:01 PM
To: TAPR APRS Special Interest Group
Cc: TAPR APRS Special Interest Group
Subject: [aprssig] Re: Wx Stations?

On Tue, 22 Oct 2002, Peter "Dakota" Summerhawk wrote:

> I am looking at putting a WX station the house and wanted to know what there
> is on the market that will work with APRS? Is there a wed site that has a
> comparison of the stations that I might be able to take look at? Any
> information would be helpful.

http://www.eskimo.com/~archer/xastir.html shows which weather
stations are currently supported with Xastir. Might not be what
you're looking for, but it _is_ an option.

--
Curt Mills, WE7U   hacker_NO_SPAM_@tc.fluke.com
Senior Methods Engineer/SysAdmin
"Lotto: A tax on people who are bad at math!"
"Windows: Microsoft's tax on computer illiterates!" -- WE7U
"The world DOES revolve around me: I picked the coordinate system!"

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Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

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Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

398. [aprssig] Re: Wx Stations?

From: "Curt Mills, WE7U" <hacker@tc.fluke.com>
Date: Tue, 22 Oct 2002 11:02:37 -0700 (PDT)
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: TAPR APRS Special Interest Group <aprssig@lists.tapr.org>
Message-ID: <LYR842-104031-2002.10.22-13.45.30--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

On Tue, 22 Oct 2002, Joe Dorn wrote:

> The Peet Brothers' units are the most APRS friendly in my opinion. You do not need a
> separate computer interface to keep it online.

Yup! The One-Wire stations have no intelligence built-in. You have
to have something querying it for the readings on a regular basis.
If you're running APRS w/Weather, you probably have such a computer
available to do it.

If you're after something that will give you readings even when your
computer croaks, with a nice display that looks good in your living
room, one-wire is probably not for you.

--
Curt Mills, WE7U   hacker_NO_SPAM_@tc.fluke.com
Senior Methods Engineer/SysAdmin
"Lotto: A tax on people who are bad at math!"
"Windows: Microsoft's tax on computer illiterates!" -- WE7U
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399. [aprssig] Re: Wx Stations?

From: Curt Mills <hacker@tc.fluke.com>
Date: Tue, 22 Oct 2002 11:07:29 -0700 (PDT)
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>

Message-ID: <LYR842-104032-2002.10.22-13.50.21--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

On Tue, 22 Oct 2002, Curt Mills wrote:

```
> > > As I understand you can hook a weather station directly to the
> > > KPC3plus and send weather info.  Is this true and can some one share
> > > some more info on it please?
> >
> > $88 + about $35 shipping (Fed Ex from Mexico, the only option) gets
> > you a One-Wire weather station with temperature, wind speed, and
> > wind direction.  That's pretty cheap.  It's supported in Xastir now.
> >
> > I think that's the cheapest option going.  You can sensors to it as
>                                                     ^
>                                                  add/hook
> > money allows.
```

I think I mislead some people already. The one-wire will not hook
directly to a TNC. I wanted to make that clear. You need a
computer between it and the TNC, 'cuz the one-wire has no
intelligence of it's own. The TNC does not know how to query the
one-wire for it's data.

Thanks to Spider for pointing this out!

--
Curt Mills, WE7U   hacker_NO_SPAM_@tc.fluke.com
Senior Methods Engineer/SysAdmin
"Lotto: A tax on people who are bad at math!"
"Windows: Microsoft's tax on computer illiterates!" -- WE7U
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---

400. [aprssig] Pic WX encoders

From: "Chris Devine" <vistaeng@alltel.net>
Date: Tue, 22 Oct 2002 13:17:33 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-104034-2002.10.22-13.59.14--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Hello all,

Since this is being talked about, what are the options for pic type devices
to translate from a wx station (Oregon Scientific for example) to APRS
including modulation?

TIA & 73,
Chris

You are currently subscribed to aprssig as: lyris.aprssig@tapr.org
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---

401. [aprssig] Re: D700

From: "" <ka0azs@commkey.net>
Date: Tue, 22 Oct 2002 14:21:55 -0400
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-104036-2002.10.22-14.04.53--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Haven't played with UHF, but you can set the radio to hold APRS Beacons if there is activity on the Voice band (Band B in my case, usually 2 meter). I.E., you hit the time of next auto beacon, and there is activity on the voice band, it will hold the packet until the carrier has dropped on that band, and then transmit the beacon

On a busy repeater, this can mean that you will never transmit a beacon, so mine is set to transmit regardless of activity on the B band. I've learned to work around the occasional drop out, and I always have the option of disabling the beacon transmit (PM's are a GOOD thing!)

73

Randy KA0AZS

----- Original Message -----
From: Dick C. Reichenbach
Sent: 10/22/2002 11:57:31 AM
To: aprssig@lists.tapr.org
Cc: aprssig@lists.tapr.org
Subject: [aprssig] Re: D700

> Umm. I notice mine all the time. ASSUMING you are talking on 2 meters and
> running APRS on 2 meters, the priority is Voice Transmit, APRS Transmit, and
> then Receive Audio. So you will be talking to a person on the repeater, key
> down, APRS will transmit immediatly, and successfully cover up the first few
> words the other person is saying on the repeater.
>
> According to the manual, if you are using a 70cm repeater, this doesn't
> happen, but I havn't tried that yet.

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---

402. [aprssig] RE: Pic WX encoders

From: "Rich Garcia" <k4gps@bellsouth.net>
Date: Tue, 22 Oct 2002 14:26:44 -0400
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-104037-2002.10.22-14.07.08--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

I would be very interested in this. Over the years I have played with Peet Brothers units and known many people that own them. Sorry to say that they do not appear to hold up very well and fail very often. I would like to purchase one myself for a stand alone station but refuse to spend $300+ and have it fail within a couple of years.

If a PIC were available to make "x" WX station stand alone you can either go the cheap route and consider them disposable or go to the other end and purchase one of the more professional models which cost "mucho bucks". At least you can be certain that it will survive a Cat4 Hurricane and last a long time in normal operation.

Dual HSP would be very nice on the PIC since some who co-locate with a repeater could then feed not only the APRS TNC but also some of the repeater controllers that accept the Peet input to announce the WX info with the TI voice chip.

Rich K4GPS

-----Original Message-----
From: bounce-aprssig-19959@lists.tapr.org
[mailto:bounce-aprssig-19959@lists.tapr.org]On Behalf Of Chris Devine
Sent: Tuesday, October 22, 2002 2:18 PM
To: TAPR APRS Special Interest Group
Subject: [aprssig] Pic WX encoders

Hello all,

Since this is being talked about, what are the options for pic type devices to translate from a wx station (Oregon Scientific for example) to APRS including modulation?

TIA & 73,
Chris

You are currently subscribed to aprssig as: k4gps@bellsouth.net
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Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

---

403. [aprssig] Re: Wx Stations?

From: "wes johnston" <wes@johnston.net>
Date: Tue, 22 Oct 2002 14:26:07 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: <aprssig@tapr.org>
Message-ID: <LYR842-104039-2002.10.22-14.09.50--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

however, the uWx http://www.qsl.net/k0rx/uWx will drive a one wire... and it
has the TNC built in.

Wes

----- Original Message -----
From: "Curt Mills" <hacker@tc.fluke.com>
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Sent: Tuesday, October 22, 2002 1:07 PM
Subject: [aprssig] Re: Wx Stations?

> On Tue, 22 Oct 2002, Curt Mills wrote:
>
> > > > As I understand you can hook a weather station directly to the
> > > > KPC3plus and send weather info. Is this true and can some one share
> > > > some more info on it please?
> > >

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---

404. [aprssig] Re: Wx Stations?

From: <owens@nysernet.org>
Date: Tue, 22 Oct 2002 14:24:14 -0400 (EDT)
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-104040-2002.10.22-14.13.36--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

On Tue, 22 Oct 2002, Curt Mills wrote:
> I think I mislead some people already. The one-wire will not hook
> directly to a TNC. I wanted to make that clear. You need a
> computer between it and the TNC, 'cuz the one-wire has no
> intelligence of it's own. The TNC does not know how to query the
> one-wire for it's data.

You could use the TAPR T238 if you don't want a computer involved. But
then you're probably getting close to the cost of a fully-integrated
weather kit from Davis or some such.

Bill N2RKL (who has no weather station. . . yet, anyway ;)

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---

405. [aprssig] Re: Pic WX encoders

From: "Kurt O. Jauss" <kf6hjo@earthlink.net>
Date: Tue, 22 Oct 2002 11:35:11 -0700
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-104041-2002.10.22-14.18.31--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

I would also like to add a PIC to a PEET wx sta on a DIGI so the
local D-7 & D700's will decode the weather as well. However I would not
need the modulation part as I still would like to use a KPC-3. I want
to place the PIC between the TNC and weather station. Any suggestions?

Chris Devine wrote:

>Hello all,
>
>Since this is being talked about, what are the options for pic type devices
>to translate from a wx station (Oregon Scientific for example) to APRS
>including modulation?
>
>TIA & 73,
>Chris
>
>
>
>
>

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406. [aprssig] 2002 DCC Audio

From: "Jason Rausch" <ke4nyv@msn.com>
Date: Tue, 22 Oct 2002 13:45:33
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-104046-2002.10.22-14.28.29--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

What is the deal with the 2002 DCC audio? Last time I asked we were told
about 2 weeks to wait. That was about a month and a half ago.

73's
Jason KE4NYV
www.ke4nyv.com

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Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

407. [aprssig] RE: Pic WX encoders

From: "Don" <kyham@alltel.net>
Date: Tue, 22 Oct 2002 14:40:37 -0400
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-104051-2002.10.22-14.37.55--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

I have been using a Davis Weather Monitor II for over 5 years without any
problem. Use Weather Display for display and APRS.   Great combination.

Don   K9SOA   (EM77EX)
HF-2m-70cm-APRS
www.k9soa.net

Home of JEANNIE
The House That Listens
As seen on HGTV's Dream Builder Show
and the Featured Home of the Month
Home Automation magazine
March 2002 issue

----- Original Message -----
From: Rich Garcia <k4gps@bellsouth.net>
To: TAPR APRS Special Interest Group <aprssig@lists.tapr.org>
Sent: Tuesday, October 22, 2002 2:26 PM
Subject: [aprssig] RE: Pic WX encoders

> I would be very interested in this. Over the years I have played with Peet
> Brothers units and known many people that own them. Sorry to say that they
> do not appear to hold up very well and fail very often. I would like to
> purchase one myself for a stand alone station but refuse to spend $300+
and
> have it fail within a couple of years.
>

> If a PIC were available to make "x" WX station stand alone you can either
go
> the cheap route and consider them disposable or go to the other end and
> purchase one of the more professional models which cost "mucho bucks". At
> least you can be certain that it will survive a Cat4 Hurricane and last a
> long time in normal operation.
>
> Dual HSP would be very nice on the PIC since some who co-locate with a
> repeater could then feed not only the APRS TNC but also some of the
repeater
> controllers that accept the Peet input to announce the WX info with the TI
> voice chip.
>
> Rich K4GPS
>
>
> -----Original Message-----
> From: bounce-aprssig-19959@lists.tapr.org
> [mailto:bounce-aprssig-19959@lists.tapr.org]On Behalf Of Chris Devine
> Sent: Tuesday, October 22, 2002 2:18 PM
> To: TAPR APRS Special Interest Group
> Subject: [aprssig] Pic WX encoders
>
>
> Hello all,
>
> Since this is being talked about, what are the options for pic type
devices
> to translate from a wx station (Oregon Scientific for example) to APRS
> including modulation?
>
> TIA & 73,
> Chris
>
>
>
> ---
> You are currently subscribed to aprssig as: k4gps@bellsouth.net
> To unsubscribe send a blank email to leave-aprssig-842K@lists.tapr.org
> Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org
>
>
>
>
> ---
> You are currently subscribed to aprssig as: kyham@alltel.net
> To unsubscribe send a blank email to leave-aprssig-842K@lists.tapr.org
> Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org
>

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To unsubscribe send a blank email to leave-aprssig-842K@lists.tapr.org
Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

408. [aprssig] Re: Wx Stations?

From: BMcLarty@trustmark.com
Date: Tue, 22 Oct 2002 14:12:38 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: aprssig@lists.tapr.org, bounce-aprssig-30903@lists.tapr.org
Message-ID: <LYR842-104052-2002.10.22-14.54.25--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

I, too, have been very happy with the Davis Weather Monitor II. I got the
wireless version, a little more expensive, but I probably would never have
gotten the wired version installed.

I also got the Weather Link module and software (I think that's what it's
called). I have to disable the WX port in WinAPRS temporarily to download
the contents of the Weather Link thingy into the software. It appears it
will store years of WX data and draw a multitude of charts and graphs.

- Bill, KM5GE
Jackson, Mississippi

---
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409. [aprssig] Re: Wx Stations?

From: "Jacques Voisin" <n4jcv@earthlink.net>
Date: Tue, 22 Oct 2002 15:30:08 -0400
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-104058-2002.10.22-15.11.10--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

I have a Davis weather station which has been in service since 1994 and sending data to WinAPRS 24/7/365 and sofar has only failed twice when hit by lightning, the weatherlink interface was the culprit and was repaired for less than $40.00, I think this quite a good performance, I also have an Oregon Scientific station which has not been quite so reliable but without major problems.

Jacques C. Voisin, N4JCV and AAR4JI
ARES/RACES of Orange County, FL
Skywarn Manager Orange County, FL
American Red Cross of Central Florida
Communication Chairman, Trustee N4ARC

http://home.earthlink.net/~n4jcv/
n4jcv@earthlink.net and n4jcv@arrl.net

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410. [aprssig] Re: Wx Stations?

From: "Rich Garcia" <k4gps@bellsouth.net>
Date: Tue, 22 Oct 2002 15:38:44 -0400
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: <aprssig@tapr.org>
Message-ID: <LYR842-104060-2002.10.22-15.19.01--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Exactly my point, there are many other weather stations out there, more and less expensive than the PeetBrothers.
I think the only reason the PeetBrothers unit is so popular is that it is the only game in town for direct TNC interfacing. Now if we can do a PIC to change that I think many would jump on it.

Not everyone want's to have a WX station at home and on that same note not everyone can afford or can have a PC at a remote site just to make use of a Non-Peet unit.

Rich

-----Original Message-----
From: bounce-aprssig-19959@lists.tapr.org
[mailto:bounce-aprssig-19959@lists.tapr.org]On Behalf Of Jacques Voisin
Sent: Tuesday, October 22, 2002 3:30 PM
To: TAPR APRS Special Interest Group
Subject: [aprssig] Re: Wx Stations?

I have a Davis weather station which has been in service since 1994 and sending data to WinAPRS 24/7/365 and sofar has only failed twice when hit by lightning, the weatherlink interface was the culprit and was repaired for less than $40.00, I think this quite a good performance, I also have an Oregon Scientific station which has not been quite so reliable but without major problems.

Jacques C. Voisin, N4JCV and AAR4JI
ARES/RACES of Orange County, FL
Skywarn Manager Orange County, FL
American Red Cross of Central Florida
Communication Chairman, Trustee N4ARC

http://home.earthlink.net/~n4jcv/
n4jcv@earthlink.net and n4jcv@arrl.net

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---

411. [aprssig] WX for NWS?

From: "Peter \"Dakota\" Summerhawk" <dakotas@dotorg.org>
Date: Tue, 22 Oct 2002 13:38:08 -0600
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-104061-2002.10.22-15.21.30--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

OK maybe I should have been more clear I am looking for information that the
WX station will be used for the local NWS office and will be hooked in to a
APRS station running WINAPRS. As well as for my own weather station I am
planning on building the station for the home as well. Along another line
can the WX station at the NWS be a digi? The nearest digi is a good 40 miles
away and if the NWS office can be a digi then the signal will have to just
travel across town instead of across county. Can someone help me with this?
Thanks
Peter "Dakota" Summerhawk

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---

412. [aprssig] Re: WX for NWS?

From: "Curt Mills, WE7U" <hacker@tc.fluke.com>
Date: Tue, 22 Oct 2002 12:47:23 -0700 (PDT)
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: TAPR APRS Special Interest Group <aprssig@lists.tapr.org>
Message-ID: <LYR842-104062-2002.10.22-15.30.16--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

On Tue, 22 Oct 2002, Peter "Dakota" Summerhawk wrote:

> OK maybe I should have been more clear I am looking for information that the
> WX station will be used for the local NWS office and will be hooked in to a
> APRS station running WINAPRS.

You'll need to look in the docs to see what brands/models are
directly supported by that app then.

> Along another line
> can the WX station at the NWS be a digi?

Yep. As long as you have a computer/TNC there, it'll do that as
well. For a dumb digi the TNC just gets set up with RELAY
activated. This is usually done automatically by the APRS software.
If you want a smarter digi (WIDEn-N style) then you may need to do
something else. For RELAY though, you're covered.

The only thing you need to make sure of is that you have two serial
ports free for your use on that machine, one for the TNC and one for
the WX station.

--
Curt Mills, WE7U   hacker_NO_SPAM_@tc.fluke.com
Senior Methods Engineer/SysAdmin
"Lotto: A tax on people who are bad at math!"
"Windows: Microsoft's tax on computer illiterates!" -- WE7U
"The world DOES revolve around me: I picked the coordinate system!"

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413. [aprssig] Re: D700

From: Matt Steinhoff <mls@steinhoff.net>
Date: Tue, 22 Oct 2002 16:46:42 -0400
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: aprssig@lists.tapr.org
Message-ID: <LYR842-104069-2002.10.22-16.29.38--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

> If the D700 transmits on APRS (144.390MHz) it will
> not affect the UHF side (transmit nor receive).
> Eric KF4OTN

I, too, find that to be true. With VHF on A and UHF on B it is just like having two radios. There is little if any interaction.

When you're running VHF/VHF, however, you will lose receive audio on B when a packet is sent on the A side. Since packets are so short, I find less than a word or two is missed. With my beacon rate set to three minutes most of the time, that is more than an acceptable trade off.

Voice transmissions are never interrupted by the data side of the radio. They can, however, be delayed if the same band (UHF/UHF or VHF/VHF) is active on both sides. For example, if a packet is already sending on 144.39, you must wait for the packet to be sent before you can key-up on 146.52. Once again, this second or two delay is hardly noticeable.

Matt (k4mls)

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414. [aprssig] Re: D700

From: David VanHorn <dvanhorn@cedar.net>
Date: Tue, 22 Oct 2002 15:55:55 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: aprssig@lists.tapr.org
Message-ID: <LYR842-104074-2002.10.22-16.38.38--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Thanks, everyone, for the input, but I think I'll stick to my separate radio.

Thanks to a bit of antenna separation, I never need to think about the APRS station.

I did add a helical filter to my SSTV station, which keeps the APRS from blanking the received pictures, as long as the signal strength is reasonable.

The V7a, when not used for data, has only two bad features.
The display, easily the worst I've ever seen on a mobile radio, and the hot mic, which lets anything that sounds like DTMF control the radio. Wouldn't have taken much to mute the mic when we're not transmitting, and I can't figure why they thought it would be a good idea to mix a hot mic with DTMF control signals when not transmitting, but that's what they do.

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415. [aprssig] Re: D700

From: Matt Steinhoff <mls@steinhoff.net>
Date: Tue, 22 Oct 2002 17:07:22 -0400
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-104075-2002.10.22-16.50.16--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

> overall perspective, what's it like using the D700?

The D700 is a fine radio, meeting or exceeding the quality of many other dual-band radios. That it throws in APRS for less than the cost of a dual-band radio, a TNC, the related cables and headache of keeping it all connected and functional is a real bonus.

In fact, the only two complaints I regularly hear

about the radio is that it has low audio when used as
a cross-band repeater (a feature I don't use) and it
isn't fully AX Level II compliant (I don't even know
enough to check if that's true). Those two complaints
are fairly esoteric compared to all the things you
could hate about a dual-band radio.
    If you haven't already read the eHam reviews of
this radio (it gets a 4.1 out of five with 23 hams
voting), it would be worth your time...
    http://www.eham.net/reviews/detail/1118

> multiplexing the TM-V7a (which I did not like!) and
> for now, settled on a kpc-3 based dual mode tracker
> running UI-View, or just as a dumb tracker.

    Maybe I'm just a wimp, but I can't imagine using
anything other than a D700 for interactive APRS. (For
a dumb tracker, there are cheaper options, of course.)
The radio is tightly integrated. I turn on the car,
the GPS and the radio and I'm ready to go. It never
loses its configuration. I don't have to worry about
my laptop melting in the car. Even sending messages
using the microphone keypad isn't nearly as clunky as
I was afraid it would be. I can write a message and
send it at a stop light. Very nifty.

> What constraints am I going to see, having APRS back
> in my main voice radio?

    Running APRS on one side of the radio means you
basically lose that half the radio for voice.
    I used to keep 146.52 on one side of my radio at
all times and on the other side I was tuned to a local
repeater or just scanning. Since getting the D700, I
am unable to keep 146.52 up at all times. Instead, it
gets scanned with the rest of the frequencies and if I
pause on a repeater and am talking there, I have nothing
tuned to the calling frequency. All told, that is not
a real big problem.

    Matt (k4mls)

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416. [aprssig] FW: Re: D700

From: "Rich Garcia" <k4gps@bellsouth.net>
Date: Tue, 22 Oct 2002 17:10:18 -0400
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-104077-2002.10.22-16.51.49--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Dave.. I replied to your last message, for some reason your mailserver was
telling me I was a "bad boy"

 Recipient: <dvanhorn@cedar.net>
    Reason: sorry, your envelope sender is in my badmailfrom list
(#5.7.1)

Rich

-----Original Message-----
From: Rich Garcia [mailto:k4gps@bellsouth.net]
Sent: Tuesday, October 22, 2002 5:05 PM
To: David VanHorn
Subject: RE: [aprssig] Re: D700

Speaking about displays...

The LCD is also of poor quality. I remoted mine on the headliner of my truck
when first purchased 2 years ago. Now segments are missing (vertical lines)
on the VHF side first and now starting on UHF. As the day goes on and it is
powered up sometimes they return.

Radio never pulled and mounted on headliner so it has never been hit or mistreated.

Rich

-----Original Message-----
From: bounce-aprssig-19959@lists.tapr.org
[mailto:bounce-aprssig-19959@lists.tapr.org]On Behalf Of David VanHorn
Sent: Tuesday, October 22, 2002 4:56 PM
To: TAPR APRS Special Interest Group
Cc: aprssig@lists.tapr.org
Subject: [aprssig] Re: D700

Thanks, everyone, for the input, but I think I'll stick to my separate radio.

Thanks to a bit of antenna separation, I never need to think about the APRS station.

I did add a helical filter to my SSTV station, which keeps the APRS from blanking the received pictures, as long as the signal strength is reasonable.

The V7a, when not used for data, has only two bad features.
The display, easily the worst I've ever seen on a mobile radio, and the hot mic, which lets anything that sounds like DTMF control the radio. Wouldn't have taken much to mute the mic when we're not transmitting, and I can't figure why they thought it would be a good idea to mix a hot mic with DTMF control signals when not transmitting, but that's what they do.

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---

417. [aprssig] Re: FW: Re: D700

From: David VanHorn <dvanhorn@cedar.net>
Date: Tue, 22 Oct 2002 16:29:03 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-104080-2002.10.22-17.11.40--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

At 05:10 PM 10/22/2002 -0400, Rich Garcia wrote:
>Dave.. I replied to your last message, for some reason your mailserver was
>telling me I was a "bad boy"
>
> Recipient: <dvanhorn@cedar.net>
>   Reason: sorry, your envelope sender is in my badmailfrom list
>(#5.7.1)
>
>Rich

I've seen that before, it's intermittent.

>Speaking about displays...
>
>The LCD is also of poor quality. I remoted mine on the headliner of my truck
>when first purchased 2 years ago. Now segments are missing (vertical lines)
>on the VHF side first and now starting on UHF. As the day goes on and it is
>powered up sometimes they return.

I got mine replaced by the factory, out of warr, but they did it free.
They didn't use zebra strips, the cable is GLUED to the display glass.

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418. [aprssig] Re: Wx Stations?

From: "Zachary Grant Michael, KB9UQQ"<zachary.michael@earthlink.net>
Date: Tue, 22 Oct 2002 14:31:56 -0700
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-104081-2002.10.22-17.14.56--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

```
The uWx station is a great little project. It will take you no more than 2
hours to build if you have a steady hand. I built one with LCD for about $150,
and it hasn't failed me once. Once you build it, go to your local Cable T.V.
office and see if they have any old leftover gray Primestar boxes. (The ones
you mount all the wires in.) They make great inclosers for the weather
station.
73 de kb9uqq

On Tue, 22 Oct 2002 14:26:07 -0500 wes johnston <wes@johnston.net> wrote:

> however, the uWx http://www.qsl.net/k0rx/uWx
> will drive a one wire... and it
> has the TNC built in.
>
> Wes

--<BR>
Zachary Grant Michael, KB9UQQ<BR>
http://www.qsl.net/kb9uqq/

---
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419. [aprssig] Re: D700

From: "Brian Riley (maillist)" <n1bq_list@wulfden.org>
Date: Tue, 22 Oct 2002 18:18:40 -0400
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-104085-2002.10.22-18.01.42--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

```
Yes and no ... The D7000 has voice as the priority, but there seems to be a
bug that if the Data side goes to transmit just about the time same instant
you key the mike to speak, you win ... Sort of ... RF goes out on the
selected channle (usually voice) but no audio. It happens to me quite often
.... I have 3 D700s one bought within 3 months of their introduction and 2
bought last Fall ... They all b have the same ...

 cheers ... 73 de brian, n1bq

On 10/22/02 11:20, "Phil Reed" <preed@dnaco.net> wrote:

> On the D700, I believe that voice transmit has priority over data transmit
> at all times.
>
>
>> Can the priority be adjusted?
>> In the V7, data has priority, period.
>>
>> "Yeah bill I see a "<BRAAAK>" by the intersection of "<BRAAAK>
>>
>> Unacceptable.
>
> ---


---
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```

420. [aprssig] Re: D700

From: "Richard Amirault" <ramirault@erols.com>
Date: Tue, 22 Oct 2002 18:40:18 -0400
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: <aprssig@lists.tapr.org>
Message-ID: <LYR842-104087-2002.10.22-18.23.19--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

If you decide to key up the voice channel *just* as the data channel decides
to transmit you may end up talking on the data channel. It's happend to me a
couple of times.

Richard Amirault   N1JDU   Boston,
MA, USA
www.erols.com/ramirault   "Go Fly A Kite"
----- Original Message -----
From: "Roy Bost" <rbost@itexas.net>
Subject: [aprssig] Re: D700

> There will be times when the data (APRS) channel will override the voice
> channel. The voice channel is capable of dual band operation, just one
band
> at a time. All on one antenna!

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Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

421. [aprssig] Re: Pic WX encoders

From: "Spider" <spider@rivcom.net>
Date: Tue, 22 Oct 2002 15:44:15 -0700
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-104088-2002.10.22-18.27.31--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

> Hello all,
>
> Since this is being talked about, what are the options for pic type
devices
> to translate from a wx station (Oregon Scientific for example) to APRS
> including modulation?
>
> TIA & 73,
> Chris
>

The TinyWX (or whatever Byon calls it) does exactly what you just asked for.
It is in Beta testing at this time.
It will interface a Oregon Scientific wm918 to a radio, without the need for
a TNC.

Jim, WA6OFT
www.wa6oft.com

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422. [aprssig] Re: D700

From: "Richard Amirault" <ramirault@erols.com>
Date: Tue, 22 Oct 2002 18:46:38 -0400
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-104089-2002.10.22-18.29.52--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Ok...maybe that's what happend (I didn't really check to see if my voice was
on the data channel, I just know no one on the repeater heard me!)

Richard Amirault   N1JDU   Boston,
MA, USA
www.erols.com/ramirault   "Go Fly A Kite"
----- Original Message -----
From: "Brian Riley (maillist)" <n1bq_list@wulfden.org>
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Sent: Tuesday, October 22, 2002 6:18 PM
Subject: [aprssig] Re: D700

```
> Yes and no ... The D7000 has voice as the priority, but there seems to be
a
> bug that if the Data side goes to transmit just about the time same
instant
> you key the mike to speak, you win ... Sort of ... RF goes out on the
> selected channle (usually voice) but no audio. It happens to me quite
often
> .... I have 3 D700s one bought within 3 months of their introduction and 2
> bought last Fall ... They all b have the same ...
>
>  cheers ... 73 de brian, n1bq
>
> On 10/22/02 11:20, "Phil Reed" <preed@dnaco.net> wrote:
>
> > On the D700, I believe that voice transmit has priority over data
transmit
> > at all times.
> >
> >
> >> Can the priority be adjusted?
> >> In the V7, data has priority, period.
> >>
> >> "Yeah bill I see a "<BRAAAK>" by the intersection of "<BRAAAK>
> >>
> >> Unacceptable.
> >
> > ---
>
>
> ---
> You are currently subscribed to aprssig as: ramirault@erols.com
> To unsubscribe send a blank email to leave-aprssig-842K@lists.tapr.org
> Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org
>


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423. [aprssig] Re: 2002 DCC Audio

From: James Jefferson <jjeffers@aprsworld.net>
Date: Tue, 22 Oct 2002 18:14:11 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-104090-2002.10.22-18.54.28--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

```
Jason, It's a volunteer effort, so most likely when the volunteers have time
we'll have the audio. It's typically a few months are DCC that it gets
posted. Until then we just get to wait anxiously!

-Jim KB0THN

On Tuesday 22 October 2002 08:45, Jason Rausch wrote:
> What is the deal with the 2002 DCC audio?  Last time I asked we were told
> about 2 weeks to wait.  That was about a month and a half ago.
>
> 73's
> Jason KE4NYV
> www.ke4nyv.com
>
> ---
> You are currently subscribed to aprssig as: jj@aprsworld.net
> To unsubscribe send a blank email to leave-aprssig-842K@lists.tapr.org
> Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org


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424. [aprssig] Joint ISS/PCsat dual hop success (2)

From: Bob Bruninga <bruninga@usna.edu>
Date: Tue, 22 Oct 2002 19:16:31 -0400 (EDT)

To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-104091-2002.10.22-18.59.27--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Today from 2007z to 2013z on 22 October both ISS and PCsat were in view of the USA. Dual hop packets I copied were:

```
[20:07:43] WB6OLA]CM99GK,W3ADO-1,RS0ISS*,qAR,WB0WNX:Hi WD5EEV
[20:09:20] WB4APR-3]APRS,W3ADO-1,RS0ISS*,ARISS,qAR,WB0WNX:Ping...# 2
[20:09:37] N8IGJ>CQ,RS0ISS,W3ADO-1*,WIDE/1:
[20:09:39] WF1F>MILES,W3ADO-1,RS0ISS*/1:I got a doble ping
[20:09:43] WB6OLA>CM99GK,W3ADO-1,RS0ISS*/1:Hello de Carl in Chico, Ca
[20:09:52] WB4APR-3>APRS,W3ADO-1,RS0ISS*,ARISS/1:Lets try OPS NORMAL for a while
[20:09:52] WB4APR-3>APRS,W3ADO-1,RS0ISS*,ARISS/1:Ping...# 3
[20:13:59] KB1GVR>CQ,RS0ISS,W3ADO-1*/1:=4436.18N/06826.92W-> Ellsworth ME6
```

The last packet was a DX record for satellite-to-satellite packet of 1340 miles between birds. To see the geometries involved, see the PCsat web page below.

de WB4APR@amsat.org, Bob

PCsat WEB page   http://www.ew.usna.edu/~bruninga/pcsat.html
ISS-APRS FAQ: http://www.ew.usna.edu/~bruninga/iss-faq.html

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To unsubscribe send a blank email to leave-aprssig-842K@lists.tapr.org
Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

425. [aprssig] Re: Wx Stations?

From: James Jefferson <jjeffers@aprsworld.net>
Date: Tue, 22 Oct 2002 18:22:06 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-104092-2002.10.22-19.02.28--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

I guess I toss in my offering here too.

I make and sell a simple wind speed datalogger and display. It uses a $50 anemometer from Fascinating Electronics to measure the wind speed, then displays the speed on two 7-segment LED displays. There is also an APRS mode which supports the anemometer, a digital temperature sensor, and almost any type of rain gauge. In APRS mode it interfaces directly to a TNC @ 1200 baud.

For more details look at its web page:

http://www.aprsworld.net/windspeed/

So basically for about $90 ($25 for kit + $5 for temperature sensor + $60 anemometer) you can have a wind speed, wind guest, and temperature weather station.

-Jim KB0THN

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426. [aprssig] Re: Joint ISS/PCsat dual hop success (2)

From: Bruce Coates <bruce.coates@sk.sympatico.ca>
Date: Tue, 22 Oct 2002 17:38:28 -0600
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-104094-2002.10.22-19.21.37--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Hi Bob and all.

I'm just curious how to tell the difference between a packet that's digipeated through only one of the birds and one that made a hop between them. Do both repeated packets in a dual hop have to be received somewhere, or am I missing something?

Thanks

Bruce - VE5BNC

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427. [aprssig] Re: D700

From: Jim Sanford <wb4gcs@amsat.org>
Date: Tue, 22 Oct 2002 19:42:24 -0400
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: TAPR APRS Special Interest Group <aprssig@lists.tapr.org>
Message-ID: <LYR842-104095-2002.10.22-19.25.26--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

I use my 700 on UHF all the time, with aprs on 144.39. If I'm receiving on uhf, and aprs transmits, the uhf audio is muted.

73,
Jim
wb4gcs@amsat.org

"Dick C. Reichenbach" wrote:

> Umm. I notice mine all the time. ASSUMING you are talking on 2 meters and
> running APRS on 2 meters, the priority is Voice Transmit, APRS Transmit, and
> then Receive Audio. So you will be talking to a person on the repeater, key
> down, APRS will transmit immediatly, and successfully cover up the first few
> words the other person is saying on the repeater.
>
> According to the manual, if you are using a 70cm repeater, this doesn't
> happen, but I havn't tried that yet.
>
> > Roy Bost wrote:
> >
> > The voice channel generally has priority (unlike the V-7!). Mostly you
> > don't notice the APRS side in operation.
>
> Phil Reed wrote:
>
> > On the D700, I believe that voice transmit has priority over data transmit
> > at all times.
> >
> > >Can the priority be adjusted?
> > >In the V7, data has priority, period.
> > >
> > >"Yeah bill I see a "<BRAAAK>" by the intersection of "<BRAAAK>
> > >
> > >Unacceptable.
> >
> > ---
> >
> >   ...phil / w8sca
> >
> > "For a list of all the ways technology has failed
> >   to improve the quality of life, press 3."
> >
> > ---
> > You are currently subscribed to aprssig as: dreichen@columbus.rr.com
> > To unsubscribe send a blank email to leave-aprssig-842K@lists.tapr.org
> > Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org
>
> ---
> You are currently subscribed to aprssig as: wb4gcs@amsat.org
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> Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

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428. [aprssig] Re: Joint ISS/PCsat dual hop success (2)

From: Bob Bruninga <bruninga@usna.edu>
Date: Tue, 22 Oct 2002 19:51:16 -0400 (EDT)
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: TAPR APRS Special Interest Group <aprssig@lists.tapr.org>
Message-ID: <LYR842-104097-2002.10.22-19.34.16--lyris.aprssig#tapr.org@lists.tapr.org>

Rendered body type: text/plain

```
On Tue, 22 Oct 2002, Bruce Coates wrote:

> I'm just curious how to tell the difference between a packet that's
> digipeated through only one of the birds and one that made a hop between
> them.  Do both repeated packets in a dual hop have to be received somewhere,
> or am I missing something?

Double hop packets are just like on the ground.  If the second digipeter
in the list has the *, then it went two hops...  What a great test!
Bob
>
> Thanks
>
> Bruce - VE5BNC
>
>
> ---
> You are currently subscribed to aprssig as: bruninga@usna.edu
> To unsubscribe send a blank email to leave-aprssig-842K@lists.tapr.org
> Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org
>

de WB4APR@amsat.org, Bob

PCsat WEB  page     http://www.ew.usna.edu/~bruninga/pcsat.html
ISS-APRS FAQ:       http://www.ew.usna.edu/~bruninga/iss-faq.html
CUBESAT Designs     http://www.ew.usna.edu/~bruninga/cubesat.html
APRS LIVE pages     http://www.ew.usna.edu/~bruninga/aprs.html
APRS SATELLITES     http://www.ew.usna.edu/~bruninga/astars.html
MIM/Mic-E/Mic-Lite  http://www.toad.net/~wclement/bruninga/mic-lite.html



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```

429. [aprssig] Joint ISS/PCsat dual hop success (2) (UPDATE)

From: Bob Bruninga <bruninga@usna.edu>
Date: Tue, 22 Oct 2002 20:47:26 -0400 (EDT)
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-104099-2002.10.22-20.30.26--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

```
This is an update due to new data from the west coast:

Today from 2001z to 2013z on 22 October both ISS and PCsat were in view of
the USA.  Dual hop packets reported are below:  Long packets are
truncated to make them fit an 80 column Email format:

[20:01:16] K7FZO-1>4W3YVV,RS0ISS,W3ADO-1*,SGATE,WIDE:'2^Al#1k/]"41}@arrl.net
[20:01:30] K7FZO-1>4W3YVV,RS0ISS,W3ADO-1*,SGATE,WIDE:'2^Al#1k/]"41}@arrl.net
[20:02:11] K7FZO-1>4W3YVV,RS0ISS,W3ADO-1*,SGATE,WIDE:'2^Al#1k/]"4/}@arrl.net
[20:02:53] K7FZO-1>4W3YVV,RS0ISS,W3ADO-1*,SGATE,WIDE:'2^Al#1k/]"40}@arrl.net
[20:03:06] K7FZO-1>4W3YVV,RS0ISS,W3ADO-1*,SGATE,WIDE:'2^Al#1k/]"41}@arrl.net
[20:03:36] K7FZO-1>4W3YVV,RS0ISS,W3ADO-1*,SGATE,WIDE:'2^Al#1k/]"40}@arrl.net
[20:05:12] K7FZO-1>4W3YVV,RS0ISS,W3ADO-1*,SGATE,WIDE:'2^Al#1k/]"42}@arrl.net
[20:05:42] COMAND-1*>WB4APR-3 <UA>prompt:OUTPUT was 11111111,0111,1)
[20:06:21] W3ADO-1*>BEACON,SGATE:T#020,165,165,067,219,213,00111111,0111,1
[20:06:25] COMAND-1*>WB4APR-3:TELEMTRY was WAIT 6/WAIT 18
[20:07:43] WB6OLA]CM99GK,W3ADO-1,RS0ISS*,qAR,WB0WNX:Hi WD5EEV
[20:08:09] WD5EEV>CQ,W3ADO-1>RS0ISS*:]            de John
[20:08:09] K7FZO-7>TWRWYS,W3ADO-1,RS0ISS*,WIDE3-3:'1Dol [/>
[20:08:18] WB6OLA>CM99GK,W3ADO-1,RS0ISS*:
[20:08:22] K7FZO-7>TWRWYS,W3ADO-1,RS0ISS*,WIDE3-3:'1Dol [/>Thom's D7 v146.52
[20:08:25] W3ADO-1>BEACON,RS0ISS*:T#022,079,067,077,101,213,00111111,0101,1
[20:08:31] K7FZO-1>4W3YVV,W3ADO-1,RS0ISS*,WIDE:'2^Al#1k/]"4.}k7fzo@arrl.net
[20:08:33] N4ZQ>QST,W3ADO-1,RS0ISS*:
[20:08:36] N8IGJ>CQ,RS0ISS,W3ADO-1*,WIDE:
[20:08:40] K7FZO-7>TWRWYS,W3ADO-1,RS0ISS*,WIDE3-3:'1Dol [/>
[20:08:40] W3ADO-1>ID,RS0ISS*:W3ADO-1/R XBAUD/G MAIL-1/B
[20:08:49] K7FZO-1>4W3YVV,W3ADO-1,RS0ISS*,WIDE:'2^Bl#1k/]"4/}k7fzo@arrl.net
[20:08:52] RS0ISS*>CQ,SGATE:>ARISS - International Space Station
[20:09:02] N8IGJ>RS0ISS>W3ADO-1*>WIDE>CQ:
[20:09:20] WB4APR-3>APRS,W3ADO-1,RS0ISS*,ARISS: Ping...# 2
[20:09:20] WF1F>MILES,W3ADO-1,RS0ISS*:
[20:09:37] N8IGJ>CQ,RS0ISS,W3ADO-1*,WIDE/1:
[20:09:39] WF1F>MILES-3,W3ADO-1,RS0ISS*: I got a doble ping
```

```
[20:09:43] WB6OLA>CM99GK,W3ADO-1,RS0ISS*:Hello de Carl in Chico,Ca
[20:09:39] WF1F>MILES,W3ADO-1,RS0ISS*/1:I got a doble ping
[20:09:43] WB6OLA>CM99GK,W3ADO-1,RS0ISS*/1:Hello de Carl in Chico, Ca
[20:09:52] WB4APR-3>APRS,W3ADO-1,RS0ISS*,ARISS/1:Lets try OPS NORMAL for a while
[20:09:52] WB4APR-3>APRS,W3ADO-1,RS0ISS*,ARISS/1:Ping...# 3
[20:13:59] KB1GVR>CQ,RS0ISS,W3ADO-1*/1:=4436.18N/06826.92W-> Ellsworth ME6
```

The first packet was a DX record for satellite-to-satellite packet of 1880 miles between birds. To see the geometries involved, see the PCsat web page below.

de WB4APR@amsat.org, Bob

PCsat WEB page   http://www.ew.usna.edu/~bruninga/pcsat.html
ISS-APRS FAQ: http://www.ew.usna.edu/~bruninga/iss-faq.html

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430. [aprssig] Re: D700 (microphone audio level)

From: Harry Burford <list2@burford.org>
Date: Tue, 22 Oct 2002 19:49:14 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-104100-2002.10.22-20.32.18--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

I've only had my D700 for a couple of weeks now. It is essentially new condition purchased from a ham that didn't like the display readability in direct sunlight and really didn't use APRS.

So far, 4 out of 4 D700's in the local group here produce very low audio levels from the microphone. In all cases it is clear and readable, just low level requiring close and loud talking into the mic. Good for mobile noise canceling I guess. Very much different from the Alinco radio microphones which are usually so hot they require quiet talking at about 2 feet to over drive them.

I went thru the app notes and service bulletins on the Kenwood site and found nothing about a level problem with the D700. Am I just going to have to adapt and talk loud and close for the D700? And, YES I'm talking into the front of the microphone!

I've been following and enjoying the D700 discussion so far.

Harry, KA0TTY

On 10/22/02 6:42 PM, "Jim Sanford" <wb4gcs@amsat.org> wrote:

> I use my 700 on UHF all the time, with aprs on 144.39. If I'm receiving
> on uhf, and aprs transmits, the uhf audio is muted.
>
> 73,
> Jim
> wb4gcs@amsat.org
>
>
> "Dick C. Reichenbach" wrote:
>>
>> Umm. I notice mine all the time. ASSUMING you are talking on 2 meters and
>> running APRS on 2 meters, the priority is Voice Transmit, APRS Transmit, and
>> then Receive Audio. So you will be talking to a person on the repeater, key
>> down, APRS will transmit immediatly, and successfully cover up the first few
>> words the other person is saying on the repeater.
>>
>> According to the manual, if you are using a 70cm repeater, this doesn't
>> happen, but I havn't tried that yet.
>>
>>> Roy Bost wrote:
>>>
>>> The voice channel generally has priority (unlike the V-7!). Mostly you
>>> don't notice the APRS side in operation.

<< snip >>

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431. [aprssig] Re: D700 (microphone audio level)

From: "Ronald Reams" <wa4mjf@worldnet.att.net>
Date: Tue, 22 Oct 2002 20:59:29 -0400
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-104101-2002.10.22-20.42.25--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

I don't know, but a thought would be that since
packet is about 3 kHz and voice is normally 4.5kHz
they may have set the deviation for the lower readin'

73 de Ronnie

----- Original Message -----
From: "Harry Burford" <list2@burford.org>
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Sent: Tuesday, October 22, 2002 20:49
Subject: [aprssig] Re: D700 (microphone audio level)

I've only had my D700 for a couple of weeks now. It is essentially new
condition purchased from a ham that didn't like the display readability in
direct sunlight and really didn't use APRS.

So far, 4 out of 4 D700's in the local group here produce very low audio
levels from the microphone. In all cases it is clear and readable, just low
level requiring close and loud talking into the mic. Good for mobile noise
canceling I guess. Very much different from the Alinco radio microphones
which are usually so hot they require quiet talking at about 2 feet to over
drive them.

I went thru the app notes and service bulletins on the Kenwood site and
found nothing about a level problem with the D700. Am I just going to have
to adapt and talk loud and close for the D700? And, YES I'm talking into
the front of the microphone!

I've been following and enjoying the D700 discussion so far.

Harry, KA0TTY

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432. [aprssig] Re: D700 (microphone audio level)

From: "Kurt O. Jauss" <kf6hjo@earthlink.net>
Date: Tue, 22 Oct 2002 18:03:30 -0700
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-104102-2002.10.22-20.47.28--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

I just bought a D700 this weekend and was told the same thing.
2 meters seems better than 70 cm. Help; inquiring minds want to know.

Harry Burford wrote:

><snip>
>
>So far, 4 out of 4 D700's in the local group here produce very low audio
>levels from the microphone. In all cases it is clear and readable, just low
>level requiring close and loud talking into the mic. Good for mobile noise
>canceling I guess.
>
<snip>

```
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```

433. [aprssig] Locked station

From: "Reid Crowe" <kc0idi@techie.com>
Date: Tue, 22 Oct 2002 20:11:58 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-104103-2002.10.22-20.54.53--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

```
There is a station in the Kansas City area with thier PTT locked down.  Folks in that part of the world
might want to check their station and let other people know.  It's comeing in here about half strength
on a vertical.  I'm in Lawrence, KS 30 miles west.  Thanks for your help and sorry to every one elese
not in the area.

73, Reid KCØIDI
--
__________________________________________________________
Sign-up for your own FREE Personalized E-mail at Mail.com
http://www.mail.com/?sr=signup


---
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Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org
```

434. [aprssig] Re: D700 (microphone audio level)

From: WA8LMF2@aol.com
Date: Tue, 22 Oct 2002 21:19:29 EDT
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: list2@burford.org
Message-ID: <LYR842-104104-2002.10.22-21.02.37--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

```
In a message dated 10/22/2002 5:57:15 PM Pacific Daylight Time,
list2@burford.org writes:

> In all cases it is clear and readable, just low
>  level requiring close and loud talking into the mic

Exactly what a mobile mic should be to not pick up road and wind noise!

Stephen H. Smith                   wa8lmf @ aol.com
Home Page:                                        http://wa8lmf.com
Ham Radio/Mobile SSTV page:     http://members.aol.com/wa8lmf/ham
APRS Stuff
http://members.aol.com/wa8lmf/aprs
-------------------------------------------------------------------------------

----------
|    Radio Communications Systems       Personal Computers
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|    File Conversions       MS-Windows Setups       Networking
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```

435. [aprssig] Re: Inspiron Laptop (was: MS 2000)

From: "Mark Fellhauer" <sparkfel@qwest.net>
Date: Tue, 22 Oct 2002 21:13:57 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-104112-2002.10.22-21.59.07--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

```
At 06:01 AM 10/20/02, WA8LMF2@aol.com wrote:

>These devices are increasingly dependent on SOFTWARE that simulates or
>complements hardware. These drivers are specific to particular versions of
>Windows; without the drivers, many hardware devices on new PCs simply don't
>exist.  This is particularly true of video displays, modems and sound
```

>systems.

Laptops especially... Most of them have forgone all but the simplest of audio inputs and outputs (mic & headphone). I just got a call this weekend from a client frantic that his new laptop wouldn't work with his video projector's remote as he was getting ready for a presentation. I discovered that this state-of-the-art HP P4 fullsize laptop has no PS/2 port(s). Oddly enough, despite the fact it also lacks a legacy serial port, it does have a parallel port. Go figure...

>In my particular case (Dell Inspiron 8100 laptop) I wanted to replace the
>factory-loaded Win XP with Windows 2000 but can't get a driver for the
>built-in ATI Mobile Radeon 7500 video display system that will work with Win
>2K (or any earlier version of Windows). I have wasted 4 days on Dell's
>800-lines over the last week arguing with clueless idiots in their so-called
>tech support trying to convince them that there must be a Win 2K driver for
>this video system (at one point the machine was being offered with either
>Win2K or XP). So far they insist they only support Win XP on this machine
>and nothing else.

The 8100 originally shipped with the ATI Rage (3 or 4 - can't remember which) mobility chipset. The Radeon 7500 was initially a $100 option, and I believe it required Win XP as the OS (A "can't build" with Win2K - to use OEM Jargon). Very few OEM's ever adopted the Mobility 7500 and the Inspiron 8100 was the first, making it quite a rare animal. This may be why it's impossible to find a Win2k Driver. There may be some way to force the Dell HTML install routine to extract and run on Win2k, but I'm not sure how. Maybe manually unzip, extract to a folder, and manually install?

As for the clueless idiot tech support people... I used to be called that (or much worse) when working for Gateway by people seeking tech support. ;) Funny how people who couldn''t find the "any" key thought I was the idiot.

But believe me, I sympathize. I recently had to call Gateway for a replacement part, and got a North Sioux City (Manufacturing HQ) NT/Win2K tech, who's supposed to be Gateway's shining front-line cream-of-the-crop technical support professional. This guy could barely type and drool at the same time. It took him about 40 minutes to document a known issue and enter an order for a replacement video card. I went into trainer mode and explained where he was not meeting Gateway's expectations for a TSP in terms of phone patter and speed. This is a call he should have been able to complete in 9 minutes or less. I really do feel in the last 2 years OEM's have really hit the bottom of the barrel tech-support wise. I remember being at a skip-level meeting and having the call-center director telling us they would no longer just be hiring warm bodies, but only qualified computer people - about 2 months later we got in a new group of recruits, and in them included people straight from the State Penitentiary who hadn't seen a computer in 17 years. So much for not hiring warm bodies...

Although, there are a lot of clueless tech support people, there is a problem with bright people being reigned-in and forced to toe the company line. If there was a driver for Win2K and the higher-ups decided to pull it from the web site, the better than average tech support person has no power to stop that, nor may he be able to tell you where to get a driver for it. I suggest you ask or search around on some of the Dell support newsgroups.

I am currently fighting with a dog of a Inspiron 8000 (early chassis), and it has to be the most I/0 bound computer I've ever seen since a Packard-Bell. I am truly becoming a rabid hater of all Laptops Dell. This laptop has Win2K and takes over 3 minutes for the Icons and systray to come up after it boots to the desktop. It's got 128 MB, isn't loading too much, and I've installed the latest BIOS, video, network, and 815 drivers. Ironically the owner wants to put WinXP on the machine. Maybe we could trade? :)

>As I have mentioned on several lists before: If you expect to continue to
>use legacy hardware (i.e. serial and parallel ports, hardware-based modems
>that actually act like serial ports, truely "Soundblaster"-compatible sound
>systems [i.e. for PSK31, RTTY,etc] you had better hang onto your existing
>machines.

Yup, try to find a new motherboard with an ISA slot... :)

73,

Mark
KC7BXS

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Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

436. [aprssig] The Q stuff (qAs, etc) on RF broadcasts ...

From: "Maiko" <maiko@langelaar.net>
Date: Tue, 22 Oct 2002 21:55:0
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-104117-2002.10.22-22.37.50--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Greetings,

If I gate frames to RF from the APRS-IS, I am guessing I should strip out any of the Q information (if it is present) from the source path header that I receive from the APRS IS, before it is sent out RF.

Is my guess correct ? Is this *procedure* detailed anywhere, as the 'q.html' document does not *seem* to address that part of the equation (or possibly I have the incorrect document).

Not to start any old *wars*, but is there any benefit of having the Q information gated to RF ? I've been very inactive in this stuff as of late due to lack of job (which is a priority). Any past discussions on this, I've honestly missed cause I wasn't around for it.

Best regards,

Maiko Langelaar / VE4KLM

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437. [aprssig] RE: The Q stuff (qAs, etc) on RF broadcasts ...

From: "AE5PL Lists" <HamLists@ametx.com>
Date: Tue, 22 Oct 2002 22:44:55 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-104123-2002.10.22-23.27.50--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

The current standard format for gating to RF from APRS-IS is:

```
IGATE>APRS,PATH:}FROMCALL>TOCALL,TCPIP,IGATE*:payload
```

Note that ALL original path information other than the FROMCALL and TOCALL are stripped from the third-party header before gating to RF. IGATE is the IGate's callsign; PATH is whatever path is set for the IGate.

The q construct is only for use on APRS-IS. It is designed to show entry points (IGates) as well as to reduce/eliminate loops caused by poor server configurations. It was designed specifically to NOT get gated back to RF.

73,

Pete Loveall AE5PL
pete@ae5pl.net

> -----Original Message-----
> From: Maiko [mailto:maiko@langelaar.net]
> Posted At: Tuesday, October 22, 2002 9:57 PM
> Subject: [aprssig] The Q stuff (qAs, etc) on RF broadcasts ...
>
> If I gate frames to RF from the APRS-IS, I am guessing I
> should strip out any of the Q information (if it is present)
> from the source path header that I receive from the APRS IS,

> before it is sent out RF.
>
> Is my guess correct ? Is this *procedure* detailed anywhere,
> as the 'q.html' document does not *seem* to address that part
> of the equation (or possibly I have the incorrect document).
>
> Not to start any old *wars*, but is there any benefit of
> having the Q information gated to RF ? I've been very
> inactive in this stuff as of late due to lack of job (which
> is a priority). Any past discussions on this, I've honestly
> missed cause I wasn't around for it.

---
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Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

---

438. [aprssig] Re: Joint ISS/PCsat test (detail comments)

From: Bob Bruninga <bruninga@usna.edu>
Date: Tue, 22 Oct 2002 23:50:12 -0400 (EDT)
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: sarex@amsat.org, <amsat-bb@amsat.org>
Message-ID: <LYR842-104124-2002.10.22-23.33.11--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

In the previous REPORT of the dual-hop packets between ISS and PCsat, there are a few packets of special interest that deserve comment:

The first packets were out over the pacific with only the west coast inview, thus the numerous (7) easy DX successes (the first was over 1880 mi): This decodes to a position in Seattle Washington.

```
> [20:01:16] K7FZO-1>4W3YVV,RS0ISS,W3ADO-1*,SGATE,WIDE:'2^Al#1k/]"41}@arrl
```

In the next packet below, notice that I didnt get acess to PCsat until 5 minutes later to command it as usual to power saving mode to make sure it could support a heavy user load for this pass. The 7 previous successful packets shows us that PCsat can support dual hop packets even without command station support.

```
> [20:05:42] COMAND-1*>WB4APR-3 <UA>prompt:OUTPUT was 11111111...
```

The next packet shows the Batterys almost fully charged at 16.5 volts each! But these are very weak NiCd's that are "soft" and near death, so a high voltage under charge doesnt really mean things are all that great... and the telemetry counter of #020 shows us it has only been alive for 20 minutes even though it has been in the sun almost 40.

```
> [20:06:21] W3ADO-1*>BEACON,SGATE:T#020,165,165,067,219,213,00111111,0111,1
```

The next two packets are another first. it is the first time a satellite has reported its own telemetry and ID via another satellite.

```
> [20:08:25] W3ADO-1>BEACON,RS0ISS*:T#022,079,067,077,101,213,00111111,0101,1
> [20:08:40] W3ADO-1>ID,RS0ISS*:W3ADO-1/R XBAUD/G MAIL-1/B
```

The next packet shows that ISS is now configured to also digipeat its own packets via another satellite or ground station with the alias of SGate. I was supposed to add SGATE as a UI-DIGI alias on PCsat so that PCsat would do the same for ISS. That is, it would relay the ISS beacons when ISS was normally out of range of any other ground stations. (I forgot to enable SGATE on PCsat for this pass).

```
> [20:08:52] RS0ISS*>CQ,SGATE:>ARISS - International Space Station
```

The next two show a single original packet picked up by both spacecraft and then both spacecraft relay it successfully via the other. This is the normal APRS generic routing method where the packet was generically transmitted using the path of via WIDE,WIDE, and then each satellite recognizes the alias of WIDE and then digipeats the packet while substituting its callsign in place of the generic WIDE so that the actual path taken is shown. (This only works when I am able to set the WIDE alias on PCsat DURING the pass. THus it worked here, but don't plan on it, because PCsat forgets all settings every 100 minutes.)

```
[20:09:51] WB4APR-3>APRS,RS0ISS,W3ADO-1*,ARISS/1:Lets try OPS NORMAL
[20:09:52] WB4APR-3>APRS,W3ADO-1,RS0ISS*,ARISS/1:Lets try OPS NORMAL
```

And the last packet was again pretty good DX as both satellites passed over the East coast and yielded a 1340 mi path between birds.

> [20:13:59] KB1GVR>CQ,RS0ISS,W3ADO-1*/1:=4436.18N/06826.92W-> Ellsworth ME6

Again, the purpose of this test was to show how much utility we can get out of a simple UI digipeating TNC on orbit especially if we have multiple such TNCs and satellites on the same frequency. Remember, ANY satellite can do this if it just has a TNC on 145.825. That's all PCsat is, a TNC and a 555 timer to reset it every now and then. PCsats RESET problems are not related to that design, but only to the loss of one solar panel on launch and subsequent negative power budget during periods of eclipse.

We have access to two more satellite launches next year that are going to let us fly some more TNC's too. These will be short 1 year missions tho, so I hope others are in work to get us towards the goal of a constellation of UI digipeating satellites on 145.825 with one always in view of the most remotest of travelers or portable operators.

de WB4APR@amsat.org, Bob

PCsat WEB page	http://www.ew.usna.edu/~bruninga/pcsat.html
ISS-APRS FAQ:	http://www.ew.usna.edu/~bruninga/iss-faq.html
CUBESAT Designs	http://www.ew.usna.edu/~bruninga/cubesat.html
APRS LIVE pages	http://www.ew.usna.edu/~bruninga/aprs.html
APRS SATELLITES	http://www.ew.usna.edu/~bruninga/astars.html

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439. [aprssig] Laptops and Technology (was: Re: Inspiron Laptop (was: MS 2000))

From: tvsjr <tvsjr@sprynet.com>
Date: Tue, 22 Oct 2002 22:54:29 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-104125-2002.10.22-23.35.42--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Mark et al.

Unfortunately, I've had nothing but luck with Dell laptops. I recently purchased a Latitude C840 (P4/2.2GHz, 1GB DDR SDRAM, 60GB HD, GeForce4 video, configured with dual batteries and a DVD/CD-RM simultaneously, loaded otherwise), and it can boot into Win XP Pro and initialize IIS, Crystal Enterprise, SQL Server 2000, and over a dozen other programs in around 30 seconds from cold boot. The support issues I've had (fractured latch on the multibay) have been handled in minutes by people who were actually pleasant and knowledgable. Fortunately, I have Gold support on the unit.

Other Dell laptops in the past have been similar in quality. I've always purchased Latitudes, as they were available cheaper - however, the Inspiron 8100 (8200, maybe, one of the two) can have its BIOS flashed to think it's a Latitude C840, so there can't be too much difference (if any) in the two units. I've never played with an 8000, however. Hopefully, you just got a 'bum laptop'.

Fortunately, my laptop has a 'real' serial port, parallel port, etc. To jump off on a new subject: Unfortunately, more and more laptops (and desktops) are going the USB route, as manufacturers try to get rid of the old serial, parallel, PS/2, etc. dedicated ports in favor of a universal port, which makes sense from more standpoints than simply monetary. I'm afraid that, at risk of flames, the ham community needs to accept this trend, and begin moving hardware and software over to these new technologies. DOS has been dead around a decade as a current product, Windows 3.1/95/98/NT/Me have died, Windows 2000 is dying, serial ports are over a decade old and are by comparison very slow, and Linux is not the answer for *everyone*. Like it or not, these new technologies will come, and there's not much we can do to stop them. Computers with old serial and PS/2 ports will only be available for so long. As far as the OS, Windows is generally more user-friendly and is certainly more supported, even if many people do have issues with it (if Linux eclipsed Microsoft tomorrow, I wouldn't cry, so don't think I'm defending MS - however, an MS vs. the world argument is beyond the scope of this message).

This is definitely not a criticism of any of the developed hardware and software out there for the ham market! I applaud those who have spent countless hours developing the APRS tools, among MANY other 'ham' tools out there. However, these solutions can only survive on increasingly obscure hardware and operating systems for so long before they become more trouble than they're worth. For instance, I have DOS machines sitting around to load programs like APRSdos. However, the number of hams having this kind of hardware is decreasing rapidly, as some people don't want to keep 10-year-old hardware and software sitting around. It's time to look at migrating to newer operating systems, and using technologies like USB, instead of the vanishing serial port.

Anyway, I think this is a topic that needs to be opened for a bit of discussion. I'd be interested to hear other's opinions.

73s,
Terry, N5RSE

At 09:13 PM 10/22/2002 -0500, Mark Fellhauer wrote:
But believe me, I sympathize. I recently had to call Gateway for a replacement part, and got a North Sioux City (Manufacturing HQ) NT/Win2K tech, who's supposed to be Gateway's shining front-line cream-of-the-crop technical support professional. This guy could barely type and drool at the same time. It took him about 40 minutes to document a known issue and enter an order for a replacement video card. I went into trainer mode and explained where he was not meeting Gateway's expectations for a TSP in terms of phone patter and speed. This is a call he should have been able to complete in 9 minutes or less. I really do feel in the last 2 years OEM's have really hit the bottom of the barrel tech-support wise. I remember being at a skip-level meeting and having the call-center director telling us they would no longer just be hiring warm bodies, but only qualified computer people - about 2 months later we got in a new group of recruits, and in them included people straight from the State Penitentiary who hadn't seen a computer in 17 years. So much for not hiring warm bodies...

>Although, there are a lot of clueless tech support people, there is a
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>loading too much, and I've installed the latest BIOS, video, network, and
>815 drivers. Ironically the owner wants to put WinXP on the
>machine. Maybe we could trade? :)

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440. [aprssig] Microsoft gaining stranglehold over FINDU !!!

From: WA8LMF2@aol.com
Date: Wed, 23 Oct 2002 00:20:17 EDT
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-104139-2002.10.23-00.03.18--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Hot off the AP newswire. [Vicinity Corp is the company behind MapBlast which serves the maps used by Findu.COM]

Microsoft to Buy Map Maker Vicinity
The Associated Press
Oct 22 2002 8:50PM

SEATTLE (AP) - Microsoft Corp. said Tuesday it plans to acquire software company Vicinity Corp., in a $96 million cash deal that may help the software giant gain greater appeal among wireless phone companies.
Under the agreement, which is expected to close by the end of March, Microsoft will pay Vicinity shareholders $3.33 a share, a 33 percent premium over its closing price of $2.24 on Tuesday.

Vicinity, founded in 1995 and based in Sunnyvale, Calif., develops software
for businesses' Web sites or call centers that give customers map and
directory information based on their location. It can send customers, for
instance, to the closest coffee shop or express delivery box, mapping the
route and providing other information such as office hours.

The company will become part of Microsoft's MapPoint division, which develops
mapping and geographic-information software for businesses, said Michael
Graff, general manager of the MapPoint business unit.

Stephen H. Smith   wa8lmf @ aol.com
Home Page:
http://members.aol.com/wa8lmf
Ham Radio/Mobile SSTV page: http://members.aol.com/wa8lmf/ham
APRS Stuff
http://members.aol.com/wa8lmf/aprs

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441. [aprssig] Re: Microsoft gaining stranglehold over FINDU !!!

From: "Thomas M. Schaefer" <toms@xmission.com>
Date: Tue, 22 Oct 2002 22:27:52 -0600
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-104140-2002.10.23-00.10.45--lyris.aprssig#tapr.org@lists.tapr.org>
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That actually has more positive potential than negative. Microsoft announced
in MapPoint2003 that it could not be used forAVL applications (in real time)
or Fleet tracking operations for over 50 vehicles in non-real time (above 10
seconds). That was because they get some data from NavTech. If they can get
their data from some place else, they may lift that restriction. As an
aside, that means that APRSPOINT cannot be used with MapPoint2003 according
to the new license.

Just a thought...

Tom NY4I
----- Original Message -----
From: <WA8LMF2@aol.com>
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Sent: Tuesday, October 22, 2002 10:20 PM
Subject: [aprssig] Microsoft gaining stranglehold over FINDU !!!

> Hot off the AP newswire. [Vicinity Corp is the company behind MapBlast
> which serves the maps used by Findu.COM]
>
> Microsoft to Buy Map Maker Vicinity
> The Associated Press
> Oct 22 2002 8:50PM
>
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> company Vicinity Corp., in a $96 million cash deal that may help the
> software
> giant gain greater appeal among wireless phone companies.
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> Microsoft will pay Vicinity shareholders $3.33 a share, a 33 percent
> premium
> over its closing price of $2.24 on Tuesday.
>
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> for businesses' Web sites or call centers that give customers map and
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> instance, to the closest coffee shop or express delivery box, mapping the

```
> route and providing other information such as office hours.
>
> The company will become part of Microsoft's MapPoint division, which
develops
> mapping and geographic-information software for businesses, said Michael
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>
> Stephen H. Smith                   wa8lmf @ aol.com
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> http://members.aol.com/wa8lmf
> Ham Radio/Mobile SSTV page:     http://members.aol.com/wa8lmf/ham
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> http://members.aol.com/wa8lmf/aprs
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442. [aprssig] Re: Microsoft gaining stranglehold over FINDU !!!

From: "Curt Mills, WE7U" <archer@eskimo.com>
Date: Tue, 22 Oct 2002 21:22:54 -0700 (PDT)
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: TAPR APRS Special Interest Group <aprssig@lists.tapr.org>
Message-ID: <LYR842-104148-2002.10.23-00.51.56--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

```
On Wed, 23 Oct 2002 WA8LMF2@aol.com wrote:

> SEATTLE (AP) - Microsoft Corp. said Tuesday it plans to acquire software
> company Vicinity Corp., in a $96 million cash deal that may help the software
> giant gain greater appeal among wireless phone companies.

So, are we going to take up a collection (similar to the findu
replacement deal) to try to outbid them?

hi hi

Curt, WE7U.                            archer@eskimo.com
http://www.eskimo.com/~archer
  Lotto:  A tax on people who are bad at math. - unknown
Windows:  Microsoft's tax on computer illiterates. - WE7U.


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```

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443. [aprssig] Re: D700

From: "hasan schiers" <schiers@netins.net>
Date: Wed, 23 Oct 2002 11:04:36 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-104184-2002.10.23-11.47.33--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

```
With my D700, APRS Mode TNC left side, UHF Repeater on Right Side, I find
that there is no interruption of any kind from the aprs 144.390 side when
using the UHF repeater. The only interruption I get is, of course, when the
```

```
right side is set to a VHF repeater...and it only transmits when I am
listening to it...and very briefly at that.

As far as "unacceptable" is concerned...it's only unacceptable to a very few
people. I have found virtually no D700 users who object to the short
interruption on VHF rx to tx an aprs packet. It's the whole design
philosophy, and my bet is is "unacceptable" to a VERY few people. I consider
the implementation ingenious as opposed to "unacceptable".

...hasan, N0AN

----- Original Message -----
From: "ERIC CHRISTENSEN" <christensene@mebtel.net>
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Sent: Tuesday, October 22, 2002 1:33 PM
Subject: [aprssig] Re: D700


>
> > I use the radio primarily with uhf on the right side, and APRS on
> > the left.
> > If APRS transmits, it shuts off the receiver on the right.
> >
> I find this NOT to be the case.  If the D700 transmits on APRS
> (144.390MHz) it will not affect the UHF side (transmit nor receive).
>
> Eric KF4OTN
>
>
> ---
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>




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```

---

444. [aprssig] ISS/PCsat joint test USA=>UK?

From: Bob Bruninga <bruninga@usna.edu>
Date: Wed, 23 Oct 2002 12:36:06 -0400 (EDT)
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-104187-2002.10.23-12.19.39--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

```
In the UK, France and Spain, check your ISS logs carefully for 1600-1620z
on the 23rd of October (on 145.825).  ISS was over you and PCsat was over
the USA and they both saw each other with plenty of overlap.

PCsat was fully configured and working well.  Many packets were
transmitted with dual hop paths.  But we saw no packets from Europe.
Maybe you saw ours?  For results of tests so far, see PCsat page below:

de WB4APR@amsat.org, Bob

PCsat WEB  page     http://www.ew.usna.edu/~bruninga/pcsat.html
ISS-APRS FAQ:       http://www.ew.usna.edu/~bruninga/iss-faq.html


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```

---

445. [aprssig] RE: Pic WX encoders

From: Steve Dimse <k4hg@tapr.org>
Date: Wed, 23 Oct 2002 13:52:33 -0400
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: TAPR APRS Special Interest Group <aprssig@lists.tapr.org>
Message-ID: <LYR842-104197-2002.10.23-13.34.17--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

```
On 10/22/02 at 2:26 PM k4gps@bellsouth.net (Rich Garcia) sent:

>I would be very interested in this. Over the years I have played with Peet
```

>Brothers units and known many people that own them. Sorry to say that they
>do not appear to hold up very well and fail very often. I would like to
>purchase one myself for a stand alone station but refuse to spend $300+ and
>have it fail within a couple of years.
>
Some people seem to have had bad experiences with Peet, but I certainly have
not. I bought my U-2000 when it first came out, perhaps 5 years ago, it has
survived two hurricanes (including George with winds over 100 MPH at my house
for several hours) and it still works great.

Steve K4HG

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---

446. [aprssig] Re: D700 (microphone audio level)

From: "Richard Amirault" <ramirault@erols.com>
Date: Wed, 23 Oct 2002 19:39:16 -0400
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-104251-2002.10.23-19.22.24--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Mine was the same way. There is a menu adjustment for that. The service
manual explains it. I forget (it's been a while since I did mine) the
specifics .. I'm sure there was at least one website that also explained it.
You need to make a jumper to go into the din port, shorting specific pins,
and that will bring up the radio in maintanace mode, then you need to get to
the proper menu and make the adjustment. I think each side can be adjusted
seperately.

Richard Amirault   N1JDU   Boston,
MA, USA
www.erols.com/ramirault   "Go Fly A Kite"
----- Original Message -----
From: "Harry Burford" <list2@burford.org>
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Sent: Tuesday, October 22, 2002 8:49 PM
Subject: [aprssig] Re: D700 (microphone audio level)

> I've only had my D700 for a couple of weeks now. It is essentially new
> condition purchased from a ham that didn't like the display readability in
> direct sunlight and really didn't use APRS.
>
> So far, 4 out of 4 D700's in the local group here produce very low audio
> levels from the microphone. In all cases it is clear and readable, just
low
> level requiring close and loud talking into the mic. Good for mobile
noise
> canceling I guess. Very much different from the Alinco radio microphones
> which are usually so hot they require quiet talking at about 2 feet to
over
> drive them.
>
> I went thru the app notes and service bulletins on the Kenwood site and
> found nothing about a level problem with the D700. Am I just going to
have
> to adapt and talk loud and close for the D700? And, YES I'm talking into
> the front of the microphone!
>
> I've been following and enjoying the D700 discussion so far.
>
> Harry, KA0TTY
>
>
>
> On 10/22/02 6:42 PM, "Jim Sanford" <wb4gcs@amsat.org> wrote:
>
> > I use my 700 on UHF all the time, with aprs on 144.39. If I'm receiving
> > on uhf, and aprs transmits, the uhf audio is muted.
> >
> > 73,
> > Jim
> > wb4gcs@amsat.org
> >
> >
> > "Dick C. Reichenbach" wrote:

> >>
> >> Umm. I notice mine all the time. ASSUMING you are talking on 2 meters
and
> >> running APRS on 2 meters, the priority is Voice Transmit, APRS
Transmit, and
> >> then Receive Audio. So you will be talking to a person on the
repeater, key
> >> down, APRS will transmit immediatly, and successfully cover up the
first few
> >> words the other person is saying on the repeater.
> >>
> >> According to the manual, if you are using a 70cm repeater, this doesn't
> >> happen, but I havn't tried that yet.
> >>
> >>> Roy Bost wrote:
> >>>
> >>> The voice channel generally has priority (unlike the V-7!). Mostly
you
> >>> don't notice the APRS side in operation.
>
>
> << snip >>
>
>
> ---
> You are currently subscribed to aprssig as: ramirault@erols.com
> To unsubscribe send a blank email to leave-aprssig-842K@lists.tapr.org
> Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org
>
>

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Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

447. [aprssig] Telemetry and MIM module

From: "Komljanec" <ve3pep@rac.ca>
Date: Wed, 23 Oct 2002 20:26:54 -0400
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-104261-2002.10.23-20.10.03--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Steve:

I just received a MIM telemetry board which I will press into service at a
solar powered amateur repeater (www.qsl.net/va3pla). Your findu web site is
crucial to supporting web based integration of repeater status. Monitored
will be voltage, current, temperature and other parameters. I don't want to
burden you with any requests until it is operational in some form on the
bench. Since the topic has come up in the group, this is a "heads-up" that
the interest is definitely there.

'73

Tony K
VE3TK

Subject: Re: telemetry
From: Steve Dimse <k4hg@tapr.org>
Date: Tue, 22 Oct 2002 08:37:27 -0400
X-Message-Number: 5

One of the ideas I considered with was to have them be parameters to the
cgi...it would be long and ungainly to type, but would allow people to have
a
link on a web page to show off their data. This would do nothing for on the
air
clients though.

Steve K4HG

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448. [aprssig] TS-2000 For Sale

From: "W5JSR" <w5jsr@arrl.net>
Date: Wed, 23 Oct 2002 21:40:03 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-104270-2002.10.23-22.23.02--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

```
Here it is...Kenwood TS-2000 for sale. Bought it this year. Must sell.
Don't want too, but have too...:-(

Giving it away at $1500.

Serious buyer replies only to: w5jsr@arrl.net If your ready to buy it
today, email me.

73 de Scott, W5JSR


---
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```

449. [aprssig] Re: Location Queries

From: "Ev Tupis (W2EV)" <w2ev@arrl.net>
Date: Thu, 24 Oct 2002 06:33:53 -0400
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-104292-2002.10.24-06.21.53--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

```
Though I don't normally recopy full texts in my replies, I chose to do that
here, because I really think this idea has *significant* merit, for many uses.
If you blew past it before, please take the time to read it now.

Ev, W2EV

Bob Bruninga wrote:
>
> NEW IDEA!
>
> How about we implement a GENERAL HEARD QUERY that works as follows:
>
> Sending station sends ?APRSH?cccccc
>
> And every station within range that has heard station ccccccc DIRECT
> responds (with a random 1 minute time delay) with the normal response to
> a directed APRSH query.  (no report if not heard direct).
>
> Then the SENDING station's APRS can simply plot the PHG's of responding
> stations and color them solid to show the area in which the missing
> station can be found.  Brighter colors for more packets and most recently
> heard...
>
> The multicolor PHG plots would use a similar scale of colors that
> APRSdos uses (for example) to show signal strength contours in omni-dfing.
> Thus the location of the largest number of  stations that heard the
> missing station the most recently would be bright  red and those that
> havent heard him for a while would be more and more dark and gray....


---
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```

450. [aprssig] WinAPRS Maps

From: "Ben Miller" <benm@applink.net>
Date: Thu, 24 Oct 2002 07:11:11 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-104295-2002.10.24-07.53.51--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

```
I have some county maps for the Dallas area.  The map list in WinAPRS shows
the following for the Dallas map:

dallas.map      Dallas  Sproul  234522  24047   TGR     1.00

I gather these maps were generated from Tiger data by the Sprouls back
before fire was discovered.
```

Does anyone have the capability to make these maps in this format? I like
the simplicity of the maps but would like more up-to-date data.

Thanks for any help!

Ben Miller
W5MBM
Vice President Rockwall Amateur Radio Club
Rowlett Texas RACES Radio Officer 804

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451. [aprssig] Re: WinAPRS Maps

From: "Curt Mills, WE7U" <hacker@tc.fluke.com>
Date: Thu, 24 Oct 2002 09:46:44 -0700 (PDT)
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: TAPR APRS Special Interest Group <aprssig@lists.tapr.org>
Message-ID: <LYR842-104309-2002.10.24-12.29.45--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

On Thu, 24 Oct 2002, Ben Miller wrote:

> I have some county maps for the Dallas area. The map list in WinAPRS shows
> the following for the Dallas map:
>
> dallas.map   Dallas Sproul 234522 24047   TGR   1.00
>
> I gather these maps were generated from Tiger data by the Sprouls back
> before fire was discovered.
>
> Does anyone have the capability to make these maps in this format? I like
> the simplicity of the maps but would like more up-to-date data.

The ways I currently know of to use newer maps:

Windows:
  Use APRS+ and Street Atlas 9 (not deluxe!)
  Use WinAPRS with Precision Mapping maps
  Use APRSPoint with some Microsoft map package (can't remember)
  Use Ui-View32 with Street Atlas

All of the above options cost a few $$.

Linux/Unix/Mac OSX:
  Use Xastir w/Shapelib library. Download the Tiger2000 map files
  for the areas of interest from GeographyNetwork.com (in Shapefile
  format). Xastir can use them directly. This option costs $0.00,
  including all of the maps.

--
Curt Mills, WE7U   hacker_NO_SPAM_@tc.fluke.com
Senior Methods Engineer/SysAdmin
"Lotto: A tax on people who are bad at math!"
"Windows: Microsoft's tax on computer illiterates!" -- WE7U
"The world DOES revolve around me: I picked the coordinate system!"

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452. [aprssig] TS-2000 4 Sale

From: "W5JSR" <w5jsr@arrl.net>
Date: Thu, 24 Oct 2002 12:42:35 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-104314-2002.10.24-13.25.33--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Some confusion on the model. This is the TS-2000, not the B or X.

TS-2000
TS-2000B (Computer Control only, no display)

TS-2000X (includes 1.2 Ghz)

I am selling the TS-2000. I have added the DRU (Digital Recording Unit)
option.

73 de Scott, W5JSR

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---

453. [aprssig] Re: WinAPRS Maps

From: "Don" <kyham@alltel.net>
Date: Thu, 24 Oct 2002 14:10:42 -0400
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-104315-2002.10.24-13.51.19--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Another option would be UI-VIEW with Precision Mapping V5. No more special
maps. Move and Zoom in/out to what you want down to street level and
sometimes more. My DRIVEWAY is on PM5.

Don K9SOA (EM77EX)
HF-2m-70cm-APRS
www.k9soa.net

Home of JEANNIE
The House That Listens
As seen on HGTV's Dream Builder Show
and the Featured Home of the Month
Home Automation magazine
March 2002 issue

----- Original Message -----
From: Curt Mills, WE7U <hacker@tc.fluke.com>
To: TAPR APRS Special Interest Group <aprssig@lists.tapr.org>
Cc: TAPR APRS Special Interest Group <aprssig@lists.tapr.org>
Sent: Thursday, October 24, 2002 12:46 PM
Subject: [aprssig] Re: WinAPRS Maps

```
> On Thu, 24 Oct 2002, Ben Miller wrote:
>
> > I have some county maps for the Dallas area.  The map list in WinAPRS
shows
> > the following for the Dallas map:
> >
> > dallas.map Dallas Sproul 234522 24047 TGR 1.00
> >
> > I gather these maps were generated from Tiger data by the Sprouls back
> > before fire was discovered.
> >
> > Does anyone have the capability to make these maps in this format?  I
like
> > the simplicity of the maps but would like more up-to-date data.
>
> The ways I currently know of to use newer maps:
>
> Windows:
>   Use APRS+ and Street Atlas 9 (not deluxe!)
>   Use WinAPRS with Precision Mapping maps
>   Use APRSPoint with some Microsoft map package (can't remember)
>   Use Ui-View32 with Street Atlas
>
> All of the above options cost a few $$.
>
> Linux/Unix/Mac OSX:
>   Use Xastir w/Shapelib library.  Download the Tiger2000 map files
>   for the areas of interest from GeographyNetwork.com (in Shapefile
>   format).  Xastir can use them directly.  This option costs $0.00,
>   including all of the maps.
>
> --
> Curt Mills, WE7U                    hacker_NO_SPAM_@tc.fluke.com
```

> Senior Methods Engineer/SysAdmin
> "Lotto: A tax on people who are bad at math!"
> "Windows: Microsoft's tax on computer illiterates!" -- WE7U
> "The world DOES revolve around me: I picked the coordinate system!"
>
>
> ---
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>

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---

454. [aprssig] Cybiko: increased RF power

From: Alex <kr1st@amsat.org>
Date: Thu, 24 Oct 2002 14:22:07 -0400
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-104317-2002.10.24-14.03.43--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Hi there,

Someone on this list asked me about how to increase the power of a Cybiko through software, but I have lost the name and email address of this person. I just put UI Power on my website as Open Source under GPL to demonstrate how this works. The application can also be used to run other applications with a higher level of RF power.

I apologize for the intrusion.

73,
--Alex KR1ST
http://www.kr1st.com

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---

455. [aprssig] Re: WinAPRS Maps (and others)

From: "Curt Mills, WE7U" <hacker@tc.fluke.com>
Date: Thu, 24 Oct 2002 11:32:05 -0700 (PDT)
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-104320-2002.10.24-14.15.00--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

On Thu, 24 Oct 2002, Don wrote:

> Another option would be UI-VIEW with Precision Mapping V5. No more special
> maps. Move and Zoom in/out to what you want down to street level and
> sometimes more.   My DRIVEWAY is on PM5.

Thanks! I can't keep all of the Windows stuff straight. I'm only somewhat familiar with one of them (APRS+).

Note also that the Xastir/Tiger-Shapefile map option doesn't use "special" (by that I assume you mean captured images) maps either. They are vector maps with full street-level detail. It stitches them together nicely. It tiles USGS topos into a contiguous map also, but in that case they _are_ images (geoTIFF).

If you really want to have fun, invoke the terraserver option (satellite images), overlay radar images on it, and plot APRS stations and weather info on top. We just added wind barbs and hurricane wind radius plots to the mix. I'm watching hurricane kenna right now, which is about to hit the Mexico coast. Predicted wind velocities of 178mph. Wow!!!

--
Curt Mills, WE7U   hacker_NO_SPAM_@tc.fluke.com
Senior Methods Engineer/SysAdmin
"Lotto: A tax on people who are bad at math!"
"Windows: Microsoft's tax on computer illiterates!" -- WE7U
"The world DOES revolve around me: I picked the coordinate system!"

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456. [aprssig] coverage map

From: "Chris Devine" <vistaeng@alltel.net>
Date: Thu, 24 Oct 2002 14:31:11 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-104322-2002.10.24-15.13.04--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Hello all,

If this has been covered before, sorry, I didn't see it.

Has Findu been used to create a map of every point (with a set radius) that it has received data on. I would be interested in one of my region, say 200 miles in diameter, to show where digi coverage could be improved.

Just a thought.

73,
Chris (KK5XF)

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457. [aprssig] Re: coverage map

From: "Curt Mills, WE7U" <hacker@tc.fluke.com>
Date: Thu, 24 Oct 2002 12:50:16 -0700 (PDT)
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: TAPR APRS Special Interest Group <aprssig@lists.tapr.org>
Message-ID: <LYR842-104324-2002.10.24-15.33.15--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

On Thu, 24 Oct 2002, Chris Devine wrote:

> Has Findu been used to create a map of every point (with a set radius) that
> it has received data on. I would be interested in one of my region, say 200
> miles in diameter, to show where digi coverage could be improved.

I wrote a perl script a while back that would snag all of the packets from the internet stream, convert them to a lat/long, and then save the unique ones in compressed object APRS format. I could then import the many thousands of objects into Xastir and see on a map where posits came from. The Perl script threw out positions that were outside the area of interest.

What I ended up with was a road map, with only the roads that APRS'ers traveled showing up.

--
Curt Mills, WE7U   hacker_NO_SPAM_@tc.fluke.com
Senior Methods Engineer/SysAdmin
"Lotto: A tax on people who are bad at math!"
"Windows: Microsoft's tax on computer illiterates!" -- WE7U
"The world DOES revolve around me: I picked the coordinate system!"

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Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

458. [aprssig] Re: coverage map

From: Steve Dimse <k4hg@tapr.org>
Date: Thu, 24 Oct 2002 15:53:00 -0400
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: TAPR APRS Special Interest Group <aprssig@lists.tapr.org>
Message-ID: <LYR842-104325-2002.10.24-15.34.57--lyris.aprssig#tapr.org@lists.tapr.org>

Rendered body type: text/plain

On 10/24/02 at 2:31 PM vistaeng@alltel.net (Chris Devine) sent:

>If this has been covered before, sorry, I didn't see it.
>
>Has Findu been used to create a map of every point (with a set radius) that
>it has received data on. I would be interested in one of my region, say 200
>miles in diameter, to show where digi coverage could be improved.
>
Yes, I did several maps like this, and demoed this on the sig, a year or two
ago. Here are a couple examples, of the US and Washington:

http://www.findu.com/wa.png

http://www.findu.com/map.png

There are problems with using this for determination of coverage though...some
of the positions you see are reported via HF, WinLink, satellite, from aircraft,
or the result of unusual propagation.

These maps take a while to generate, and would never be available as a URL for
people to ask for on the fly.

Steve K4HG

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Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

---

459. [aprssig] nws warnings

From: Danny.Butler@txucom.com
Date: Thu, 24 Oct 2002 15:42:22 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-104328-2002.10.24-16.25.35--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Does anyone know where this data stream originates? I would like to
connect to the source and pull this data without all the aprs stations.

The data I am referring to is the nws warnings that allow the county maps
in winaprs to change color depending on the warning type.

I could enable "direct stations only" and do the same thing, but I don't
need all the national aprs stations coming in.

Danny
KD5SUB

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---

460. [aprssig] ISS/PCsat double hop DX record

From: Bob Bruninga <bruninga@usna.edu>
Date: Thu, 24 Oct 2002 18:20:41 -0400 (EDT)
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: TAPR APRS SIG <aprssig@lists.tapr.org>, <sarex@amsat.org>
Message-ID: <LYR842-104333-2002.10.24-18.04.08--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

ISS/PCsat test:

I got this email today from K7FZO who not only got many double-hop packets
through ISS and PCsat but holds the DX record for a double hop too....
while driving!   de WB4APR

---------- Forwarded message ----------
Date: Thu, 24 Oct 2002 13:29:22 -0700
From: Thom Proehl (K7FZO)
To: WB4APR@amsat.org
Subject: RE: K7FZO 1880 mile DX

Bob, It was very exciting to see my call sign come up on your PCsat site

as a new DX record for Oct. 22nd. What makes it even more fun was that I
was mobile in heavy traffic trying to figure where both birds were from my
PocketSat software on my palm and making path adjustments on the fly. Fun
stuff!!!

I have been play'n around with APRS for almost 10 years but this is new to
me and has become the most exciting and interesting part of the hobby I
have found.

It's a thrill to be out hiking in the Cascade mtn's and bounce a packet or
two off the space station and know someone might see my position at some
secret fishing lake. This Winter and next Summer I'll try this again
during some longer back country trips in the mountains.

Thanks again for... making this an exciting hobby!

Cheers, Thom K7FZO

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To unsubscribe send a blank email to leave-aprssig-842K@lists.tapr.org
Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

---

461. [aprssig] Re: WinAPRS Maps

From: "Phil Thompson" <philt1@cogeco.ca>
Date: Thu, 24 Oct 2002 21:57:26 -0400
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-104352-2002.10.24-21.40.21--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

This is NO GOOD for us folks up in Canada

The ONLY mapping package that has half decent maps of Canada is Mappoint or
Streets & Trips
I understand this works with AprsPoint. I guess I'll have to have a look at
this package

Phil VE3RD

>
> > Another option would be UI-VIEW with Precision Mapping V5. No more
> special
> > maps. Move and Zoom in/out to what you want down to street level and
> > sometimes more.   My DRIVEWAY is on PM5.

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---

462. [aprssig] Re: WinAPRS Maps

From: "Matthew Stennett" <wa4tkg@iwon.com>
Date: Thu, 24 Oct 2002 23:35:22 -0400 (EDT)
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-104357-2002.10.24-23.18.27--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

What I want to know is:

WHAT happened to all the ZIP files of COUNTY maps?!

I had a HD crash months ago, reloaded everything only to
find; too bad, all the county zip files GONE!

??

DON'T tell me: FTP://APRS.RUTGERS.EDU cuz
THAT'S been DEAD for OVER 6 MONTHS!

> This is NO GOOD for us folks up in Canada
>
> The ONLY mapping package that has half decent maps of Canada is Mappoint
> or
> Streets & Trips
> I understand this works with AprsPoint. I guess I'll have to have a look
> at
> this package

```
>
>  Phil VE3RD
>

_______________________________________________
Can a Web portal forever change your life?
Win up to $25 Million on iWon - click here!
```

463. [aprssig] Re: nws warnings

From: "Curt Mills, WE7U" <archer@eskimo.com>
Date: Thu, 24 Oct 2002 23:08:27 -0700 (PDT)
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: TAPR APRS Special Interest Group <aprssig@lists.tapr.org>
Message-ID: <LYR842-104376-2002.10.25-02.37.16--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

```
On Thu, 24 Oct 2002 Danny.Butler@txucom.com wrote:

> Does anyone know where this data stream originates?  I would like to
> connect to the source and pull this data without all the aprs stations.
>
> The data I am referring to is the nws warnings that allow the county maps
> in winaprs to change color depending on the warning type.

I believe it is Dale Huguley that is snagging this data from the
EMWIN? data stream, doing the conversions into APRS alert format and
putting it out on the stream for all of us to see.

He appears to be a subscriber to this list as he has posted here
recently.

Curt, WE7U.                             archer@eskimo.com
http://www.eskimo.com/~archer
  Lotto:  A tax on people who are bad at math. - unknown
Windows:  Microsoft's tax on computer illiterates. - WE7U.



---
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```

464. [aprssig] Re: WinAPRS Maps

From: "Darryl Smith" <Darryl@radio-active.net.au>
Date: Fri, 25 Oct 2002 18:11:25 +1000
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-104381-2002.10.25-03.54.40--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

```
I have software called DXF2MAP which will convert the MAP files to and
from DXF format, that can be read and edited by many cad packages.

Let me know if you want a copy... I think it is almost time to make the
software open source :-)

Darryl

---------
Darryl Smith, VK2TDS   POBox 169 Ingleburn NSW 2565 Australia
Mobile Number 0412 929 634 [+61 4 12 929 634 International]
Darryl@radio-active.net.au | www.radio-active.net.au



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```

465. [aprssig] Cybiko Extreme on clearance at Staples in NY

From: Bill Owens <owens@nysernet.org>
Date: Fri, 25 Oct 2002 10:32:18 -0400
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-104414-2002.10.25-10.15.23--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

```
Alex KR1ST's recent post about the Cybiko reminded me that I'd
spotted the Extreme model on the clearance tables at a couple of
```

local (Central New York) Staples stores for $35-39. Haven't bought
one since I have enough other toys in the queue, but the price looked
good. . .

Bill N2RKL

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---

466. [aprssig] Re: Cybiko Extreme on clearance at Staples in NY

From: "Jason Rausch" <ke4nyv@msn.com>
Date: Fri, 25 Oct 2002 12:40:8
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-104431-2002.10.25-13.23.12--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

>From what I read the only problem with the Extreme is the USB/TTL
interface. What I'm wondering is if the software directly accsses the port
and then could the data be run through somthing like a MAX-203 to convert
the levels right for the serial comm. It sounds similar to the problem I
had run into with my Hanspring Visors, but the MAX-203 and 7805 regulator
combo fixed that problem.

Just thinking out loud 73's
Jason KE4NYV
www.ke4nyv.com

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---

467. [aprssig] Digi coverage in South West

From: "Vic Fraenckel" <vfraenc1@nycap.rr.com>
Date: Fri, 25 Oct 2002 15:47:49 -0400
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-104446-2002.10.25-15.31.17--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

I was recently (Oct5 - 7) part of a chase crew for a manned gas balloon that
was participating in a long distance race out of Albuquerque, NM. All 15
balloons were caring APRS Tracking packages. I was able to track all
balloons up thru central and NE New Mexico and on into the Texas and the far
Western Oklahoma panhandles. After that we were unable to track any balloon
save ours (we were never more than 20 or so miles from it) as we apparently
got beyond the direct radio contact with the other trackers. I was curious
to know what digi coverage was out there in the OK panhandle. Is there some
sort of coverage chart/map available that would help me see the coverage in
the area of OK, KS and NB? My mobile APRS tracker was a D700 and I was
running APRS+ on my IBM Thinkpad 770.

BTW: most of the balloons flew above 3000 feet most of the time wiith some
ranging as high as 10-12000 feet.

Any enlightenment will be appreciated.

TIA

Vic
____

Victor Fraenckel - The Windman vfraenc1@nycap.rr.com
KC2GUI www.windsway.com

Home of the WindReader Electronic Theodolite
Read the WIND

"Victory at all costs, victory in spite of all terror, victory however long
and hard the road may be; for without victory there is no survival."
- Winston [Leonard Spencer] Churchill (1874 - 1965)

Dost thou not know, my son, with how little wisdom the world is governed?
-Count Oxenstierna (ca 1620)

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---

468. [aprssig] Re: UO-22 Path

From: Bob Bruninga <bruninga@usna.edu>
Date: Fri, 25 Oct 2002 17:42:07 -0400 (EDT)
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: TAPR APRS SIG <aprssig@lists.tapr.org>
Message-ID: <LYR842-104459-2002.10.25-17.25.13--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

```
On Fri, 25 Oct 2002, Michael James Wolthuis wrote:

> Bob,
> If I want to digipeat through UO-22 with my d700 or d7a(g) what path will I
> use?

ANSWER= UOSAT5

>  Also, I am running filtering software to only see things that go via
> ARISS, RS0ISS, PCSAT.  I need to know what the call is not only so I can
> attempt to use it, but I can see it in my filtered data and thus see if my
> SatGate for UO-22 is getting the data.

Great!  I am so glad to konw that we finally have a UO22 satrgate!

Bob

>
> Thanks,
> Mike
> kb8zgl
>
>

de WB4APR@amsat.org, Bob

PCsat WEB  page     http://www.ew.usna.edu/~bruninga/pcsat.html
ISS-APRS FAQ:       http://www.ew.usna.edu/~bruninga/iss-faq.html
CUBESAT Designs     http://www.ew.usna.edu/~bruninga/cubesat.html
APRS LIVE pages     http://www.ew.usna.edu/~bruninga/aprs.html
APRS SATELLITES     http://www.ew.usna.edu/~bruninga/astars.html
MIM/Mic-E/Mic-Lite  http://www.toad.net/~wclement/bruninga/mic-lite.html


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```

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469. [aprssig] Joint ISS/PCsat test finale sked

From: Bob Bruninga <bruninga@usna.edu>
Date: Fri, 25 Oct 2002 18:19:28 -0400 (EDT)
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: TAPR APRS SIG <aprssig@lists.tapr.org>, <sarex@amsat.org>,
        <amsat-bb@amsat.org>
Message-ID: <LYR842-104460-2002.10.25-18.02.35--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

```
THere are only 3 days left in this joint ISS/PCsat test.

There have been 14 successful dual hop packets, but all from the USA where
it should be hardest due to QRM.  THere are many opportunities occuring
elsewhere around the world and especially for isolated stations or coastal
stations.  Just set your UI digipeater path to go to UNPROTO CQ VIA
RS0ISS,W3ADO-1 or the reverse, depending on which one is in view of your
station.

Gil Carman produced the following JOINT visiblity times and the distances.
So far DX packets have been successful at separations of 1880 miles.
To use this list, just look for ANY times below that occur when either ISS
OR PCsat are in view of your station.  One note, PCsat must have been in
Sunshine for at least 15 minutes or it does not have enough power to
transmit.  (It doesnt work at all in the dark)..  de WB4APR

Hint:  The ones with the closest approach are also the longer periods, I
had to leave off the end of the window column to fit email.  You can
estimate when the window closes as the same time from the window opening
to the closet approach.  I have marked the ones I think have great
```

potential:

```
    ISS/PCsat line-of-sight windows

    window opens          closest approach
_________utc________    __utc___   range(Km)

    window opens          closest approach  Comments
_________utc________    __utc___   range(Km)----------------------

Fri 25Oct02 21:52:22    22:04:29      1075  Great W-USA & Canada
Fri 25Oct02 22:39:57    22:52:30       695  Dark
Fri 25Oct02 23:29:07    23:40:27      2198  W-USA!

Sat 26Oct02 00:19:30    00:28:34      3698  dark
Sat 26Oct02 15:35:05    15:45:19      2788  dark
Sat 26Oct02 16:21:38    16:33:20      1272  USA
Sat 26Oct02 17:09:05    17:21:22       524  dark
Sat 26Oct02 17:58:02    18:09:20      1970  USA
Sat 26Oct02 18:48:07    18:57:26      3462

Sun 27Oct02 10:04:23    10:14:08      2964  Aus/Nz to little sun?
Sun 27Oct02 10:50:52    11:02:11      1459  Europe!
Sun 27Oct02 11:38:13    11:50:13       412  dark
Sun 27Oct02 12:26:58    12:38:12      1756  Europe
Sun 27Oct02 13:16:46    13:26:18      3239  dark

Mon 28Oct02 04:33:37    04:42:56      3126  dark
Mon 28Oct02 05:20:03    05:30:59      1634  Mideast
Mon 28Oct02 06:07:18    06:19:02       389  dark
Mon 28Oct02 06:55:53    07:07:02      1556  Europe Mideast
Mon 28Oct02 07:45:28    07:55:08      3027  dark
Mon 28Oct02 23:02:48    23:11:42      3272  too little sun
Mon 28Oct02 23:49:11    23:59:47      1796  W-USA, Hawaii, Alasksa
```

Test should be over by then. If not, Ill come back and figure these out too

```
Tue 29Oct02 00:36:22    00:47:49       449
Tue 29Oct02 01:24:49    01:35:50      1370
Tue 29Oct02 02:14:11    02:23:56      2829
Tue 29Oct02 17:31:55    17:40:27      3405
Tue 29Oct02 18:18:17    18:28:32      1946
Tue 29Oct02 19:05:23    19:16:35       553
Tue 29Oct02 19:53:43    20:04:36      1200
Tue 29Oct02 20:42:55    20:52:42      2642

Wed 30Oct02 12:01:00    12:09:11      3525
Wed 30Oct02 12:47:20    12:57:17      2082
Wed 30Oct02 13:34:23    13:45:20       672
Wed 30Oct02 14:22:37    14:33:21      1044
Wed 30Oct02 15:11:40    15:21:28      2467
Wed 30Oct02 16:02:01    16:09:28      3904

Thu 31Oct02 06:30:01    06:37:53      3631
Thu 31Oct02 07:16:20    07:25:59      2206
Thu 31Oct02 08:03:22    08:14:02       792
Thu 31Oct02 08:51:29    09:02:05       903
Thu 31Oct02 09:40:24    09:50:11      2305
Thu 31Oct02 10:30:32    10:38:12      3732

Fri 01Nov02 00:59:00    01:06:34      3725
Fri 01Nov02 01:45:18    01:54:41      2317
Fri 01Nov02 02:32:17    02:42:44       906
Fri 01Nov02 03:20:21    03:30:47       779
Fri 01Nov02 04:09:08    04:18:53      2154
Fri 01Nov02 04:59:06    05:06:55      3571
Fri 01Nov02 19:27:55    19:35:13      3806
Fri 01Nov02 20:14:13    20:23:20      2417
Fri 01Nov02 21:01:11    21:11:24      1013
Fri 01Nov02 21:49:11    21:59:28       671
Fri 01Nov02 22:37:53    22:47:34      2014
Fri 01Nov02 23:27:40    23:35:36      3420

Sat 02Nov02 13:56:47    14:03:51      3876
Sat 02Nov02 14:43:05    14:51:59      2505
Sat 02Nov02 15:30:02    15:40:03      1110
Sat 02Nov02 16:17:59    16:28:07       582
Sat 02Nov02 17:06:36    17:16:14      1886
Sat 02Nov02 17:56:15    18:04:16      3279

Sun 03Nov02 08:25:37    08:32:28      3935
Sun 03Nov02 09:11:55    09:20:36      2581
Sun 03Nov02 09:58:52    10:08:41      1197
Sun 03Nov02 10:46:47    10:56:45       512
Sun 03Nov02 11:35:19    11:44:52      1769
Sun 03Nov02 12:24:50    12:32:55      3149
```

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470. [aprssig] RE: Uncorrelated MAYDAYs

From: Bob Bruninga <bruninga@usna.edu>
Date: Sat, 26 Oct 2002 12:13:30 -0400 (EDT)
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-104534-2002.10.26-11.56.35--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

APRS DF applications:

A lakeside Coast Guard group wants to use APRS for localizing MAYDAY calls since the super-dooper-automated millions of dollars sDF ystem is not doing a good job.

They are looking at the APRSdos OMNI-DF technique which simply localizes the originator by who HEARS and mostly who does NOT hear the call. The OMNI DF technique is perfect for this. See

  http://www.ew.usna.edu/~bruninga/dfing.html

Here are some exchanges with the group. Just thought it was worthy of posting to the group. There is so much of APRS we are not using...

On Sat, 26 Oct 2002, Scott wrote:

> ... My next step is to explain it to Group, and see if they can recruit
> the people to set up the listening stations. If we can compile a list
> of lots of stations listening on [modest low gain] radios, the "no
> signal heard" circles should really help us narrow down the possible
> source!
>
>   I do have to read through the Help texts again to get a grasp on the
> effects of the choices of signal strength and bearing (most of our stations
> are omni, but some of the CG antennas are focused over the water). The
> other thing I will look for is how to record DF information for an existing
> station. (In my trials so far, I have Input-AddObject and chosen the DF
> symbol. I am hoping I can have the stations pre-plotted on the APRS screen,
> and give them the DF info as it comes in....

Sure, a voice report comes in from DF1 station. In APRS dos, hit these keys:

```
     O F DF1 <CR><CR>               (OPS-FIND station "DF1")
     E D 1   <CR><CR><CR>           (EDIT DF select 1)
     9       <CR><CR><CR><CR><CR>   (Enter signal strength reported)
```

And with only those entries his data is in the system for all to see.
To see a plot of the overlaping signal strength contours of alll station reports hit "M P D O" (MAPS-PLOTS-DF-OMNI). The source of the signal is probably in the area nearest the intersection of the most brightly colored contours which are NOT overlapped by the large BLACK "NOT-HEARD" areas.

The key to the sucess of this system is getting the reporting statiosn to have a good understanding of their PHG with respect to how good they can HEAR.

> -----Original Message-----
> From: Bob Bruninga [mailto:bruninga@usna.edu]
> Sent: Friday, October 25, 2002 4:41 PM
> To: Scott
> Subject: RE: Uncorrelated MAYDAYs
>
>

> On Fri, 25 Oct 2002, Scott wrote:
>
> > Thank you for your observations. I expect we will have a 'manual'
> > network, where members will be polled by a central coordinator
> > (running the APRS) and entering the data.
>
> Go to my main APRS site http://www.ew.usna.edu/~bruninga/dfing.html
> for a PLOT of what the OMNI DF looks like. Or run APRSdos and do a
> FILE-LOAD DF-OMNI. THen hit MAPS-PLOTS-DF-OMNI and you should see the
> same thing...
>
> Its perfect for your application especially if you take care in setting
> realistic PHG ranges for each station AND get eveyone to understand the
> importance of a NOT-HEARD signal!
>
> de WB4APR@amsat.org, Bob

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471. [aprssig] New Satellite Data Server on APRS-IS

From: "Michael J. Wolthuis" <wolthui3@msu.edu>
Date: Sat, 26 Oct 2002 16:49:50 -0400
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-104564-2002.10.26-16.34.40--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Everyone,
I know that a Sat server with filtered data used to exist and I have
missed that for sometime, so I have recreated the wheel and made another
SatGate server.
Here is the info and how it works:

SatGate server is located at igate.miaprs.net
Running: APRSd 2.1.5b9
Ports:
14601   status
14679   Grand Rapids, MI Sat Data as heard on local TNCs,
currently tracking PCSAT and UO22
10251   full worldwide Sat data feed as received and filtered
from first.aprs.net
10252   Same as 10251 without history

Here is how it works currently:

The SatGate connects to an AFilter machine that filters data from first
or second depending on where connected
it filters for W3ADO,PCSAT,ARISS,UOSAT5 and others as need to be added.

Then clients can connect to the SatGate on 14679 for local Michigan Sat
data or 10251 for the filtered worldwide Sat feeds.

***Note, filtering is not perfect, but I am attempting to monitor it and
regulate the filters as needed. Possibly other filters need to be
added, but it works
good at this time.

If anyone is interested please connect up and check it out. I leave an
Xastir client on logging 24/7 to get local Michigan sat data on 14679.
Currently the connection limit is 40 systems, we will see how the
bandwidth goes.

Feel free to use clients, link up SatGates that feed data, but do not
want the full APRS stream down, etc.

Questions, feel free to email me directly at wolthui3@msu.edu or on this
list!

Enjoy,
Mike Wolthuis
Kb8zgl

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Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

472. [aprssig] RE: New Satellite Data Server on APRS-IS

From: "Andrew Rich" <andrew.rich@bigpond.com>
Date: Sun, 27 Oct 2002 10:03:12 +1000
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-104568-2002.10.26-19.46.12--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Excellent ! well done !

-----Original Message-----
From: bounce-aprssig-30130@lists.tapr.org
[mailto:bounce-aprssig-30130@lists.tapr.org]On Behalf Of Michael J.
Wolthuis
Sent: Sunday, 27 October 2002 06:50
To: TAPR APRS Special Interest Group
Subject: [aprssig] New Satellite Data Server on APRS-IS

Everyone,
I know that a Sat server with filtered data used to exist and I have missed that for sometime, so I have recreated the wheel and made another SatGate server.
Here is the info and how it works:

SatGate server is located at igate.miaprs.net
Running: APRSd 2.1.5b9
Ports:

```
        14601   status
        14679   Grand Rapids, MI Sat Data as heard on local TNCs,
currently tracking PCSAT and UO22
        10251   full worldwide Sat data feed as received and filtered
from first.aprs.net
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```

Here is how it works currently:

The SatGate connects to an AFilter machine that filters data from first or second depending on where connected
it filters for W3ADO,PCSAT,ARISS,UOSAT5 and others as need to be added.

Then clients can connect to the SatGate on 14679 for local Michigan Sat data or 10251 for the filtered worldwide Sat feeds.

***Note, filtering is not perfect, but I am attempting to monitor it and regulate the filters as needed. Possibly other filters need to be added, but it works
good at this time.

If anyone is interested please connect up and check it out. I leave an Xastir client on logging 24/7 to get local Michigan sat data on 14679. Currently the connection limit is 40 systems, we will see how the bandwidth goes.

Feel free to use clients, link up SatGates that feed data, but do not want the full APRS stream down, etc.

Questions, feel free to email me directly at wolthui3@msu.edu or on this list!

Enjoy,
Mike Wolthuis
Kb8zgl

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---

473. [aprssig] Re: New Satellite Data Server on APRS-IS -- Update of my master server list

From: WA8LMF2@aol.com
Date: Sun, 27 Oct 2002 01:40:34 EDT
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: aprssig@lists.tapr.org
Message-ID: <LYR842-104583-2002.10.27-01.23.53--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

In a message dated 10/26/02 1:51:26 PM Pacific Daylight Time,
wolthui3@msu.edu writes:

> Everyone,
> I know that a Sat server with filtered data used to exist and I have
> missed that for sometime, so I have recreated the wheel and made another
> SatGate server.
> Here is the info and how it works:

I've updated the APRServe.txt file on my website to include your info. This file is located at:
   http://members.aol.com/wa8lmf/aprs

and is formatted for immediate use with APRSplus, and with WinAPRS by doing some find/replace editing. As usual, any submissions, updates, etc are requested.

Take a look and see if this looks correct. [I assume this is a new server not connected with the East Lansing MSU APRS gate/server...]

==== PASTE CONTENTS OF APRServe.txt========

```
; APRServe sites Updated 26 Oct 2002 by  WA8LMF@aol.com
; Comment Lines begin with a ;
;"Dump" refers to cached recent past history.
; This list formatted for direct use with APRSplus.
; Copy/paste this list into the file APRServe.txt located in
;   the APRSplus\data directory
; For use with WinAPRS, delete this comment area,
; then in the remainder, find and replace colons
; and semi-colons with the "TAB" character.
; Standard APRSd port definitions at
; http://www.ntstrans.com/~ntstate/ports.html
; Direct IP addresses subject to change --
;   recommended to use only when DNS (named) access fails.
; APRSD servers can produce status report
;   Enter http://servername:14501  into your WEB browser
;
; Findu mapping is now      http://map.aprs.net/callsign
;  or                       http://second.aprs.net:8000/callsign
; www.aprs.net:23 ;RIP

first.aprs.net:23 ;First APRS Net
128.143.202.191:23 ;First APRS Net - direct IP
first.aprs.net:10151 ;Florida server w/cache dump
first.aprs.net:14579 ;Florida server LOCAL ONLY

second.aprs.net:23 ; SoCal Second APRS Net
134.173.254.38:23 ; Second APRS Net - direct IP
second.aprs.net:10151 ; SoCal server w/ cache dump
second.aprs.net:14579 ; Socal server LOCAL ONLY

third.aprs.net:10151 ;Third APRS server w/8H dump
third.aprs.net:10152 ;Third APRS server w/o dump
third.aprs.net:14579 :Third Local Data Only

;AHubEast (javAPRSSrvr)
ahubeast.net:10152 ; Full APRS Feed
ahubeast.net:10151 ; Full APRS Feed w/ 30 Min Dump
ahubeast.net:1314  ; Full Feed - Read Only
ahubeast.net:14579 ; Eastern USA Regional
;  HTML Status Ports
;http://www.ahubeast.net:14501 Main Port
;http://www.ahubeast.net:14601 Regional Port
;  WEB SITE
;http://www.na4v.com
```

```
;APRSWEST (javAPRSSrvr)
aprswest.net:10152 ;Full APRS Feed - Main Port
aprswest.net:10151 ;Full APRS Feed - with 30 min. Dump
aprswest.net:1313 ;Link Port - Full Feed - Read Only
aprswest.net:1314 ;Full APRS Feed - Message Only
aprswest.net:14579 ;APRSWESTR Western States Regional Port
aprswest.net:10153 ;APRSWESTR Western States - with 30 min. Dump
;  CWOP/Weather Server (No IGates Please)
;  NOTE: REMed out to prevent accidental selection as IGate
;  Delete the semi-colon to activate
;aprswest.net:23 ;APRSWESTX CWOP/WX Primary Server
;aprswest.net:10153 ;APRSWESTX CWOP/WX - with 30 min. Dump
;ahubca.net:23 ;CAWXBAK CWOP/WX Secondary Server
;  APRSWEST HTML Status Ports
;http://aprswest.net:14501 Main Port
;http://aprswest.net:14601 Regional Port
;http://aprswest.net:14701 CWOP Port
;  APRSWEST JAVA Display
;http://java.kb7zva.com
;  APRSWEST WEB SITE
;http://kb7zva.com

;Ahub California -- Website:  www.aprsca.net
aprsca.net:2023 ;Worldwide
aprsca.net:14579 ;California
aprsca.net:10150 ; Special SATgate send-only with no RX stream

;East Lansing, MI (Mich State Univ)
elansing.aprs.net:10151 ;Full Internet Feed
elansing.aprs.net:14579 ;Local Only

;Fenton MI
fenton.miaprs.net:10151 ;Full Internet Feed
fenton.miaprs.net:10152 ;Full Internet Feed w/o cache dump
fenton.miaprs.net:10151 ;Local RF Only
65.170.9.12:10151; Full Internet Feed - Direct IP

;Grand Rapids, MI Satgate Running: APRSd 2.1.5b9
igate.miaprs.net:14601 ;status
igate.miaprs.net:14679 ;Grand Rapids, MI Sat Data heard on local TNCs,
tracking PCSAT and UO22
igate.miaprs.net:10251 ;Worldwide Sat data feed received and filtered from
first.aprs.net
igate.miaprs.net: ;10252   Same as 10251 without history

aprsdcsp.antelope.net:10151 ;FULL - Rocky Mtn regional server in Casper WY
aprsdcsp.antelope.net:10152 ;FULL w/o cache dump (current only)
aprsdcsp.antelope.net:14579 ;Local

;Tucson, AZ server
packet.kvoa.com:10151 ;Full feed
packet.kvoa.com:14580 ;Local (Tucson) feed

;Northwestern US - Southwestern Canada -- Presumably normal aprsD ports
linus.chemeketa.edu:10151 ;Salem, OR  aprsd-CCC
208.194.173.138:10151 ;Redmond, WA  aprsdRDM
the.hams.net:10151 ;Portland4,OR aprsdPDX
calgary.canaprs.net:10151 ;Calgary, Alberta aprsdYYC
206.186.216.155:10151 ;Winnipeg, Manitoba aprsdYWG

jnos.org:10152 ;Redmond, WA aprsdRDM  WW messages and PNW local
jnos.org:14579 ;Redmond, WA aprsdRMD  Local RF

;Northern Europe
ahubswe.net:2023 ;AHubSwe World-wide APRS Feed
ahubswe.net:14579 ;AHubSwe Nordic APRS Feed

;Germany
db0lj.dyndns.org:10153 ;European Traffic
db0lj.dyndns.org:1313 ;German/Local Traffic

;Australia APRS servers
aprs.net.au:10151 ;1st VK Server - International feed w/ cache dump
aprs.net.au:10152 ;1st VK Server - International feed w/o cache dump
aprs.net.au:10153 ;1st VK Server - VK* & ZL* feed w/o cache dump
second.aprs.net.au:10151 ;2nd VK Server - International feed w/ cache dump
second.aprs.net.au:10152 ;2nd VK Server - International feed w/o cache dump
second.aprs.net.au:10153 ;2nd VK Server - VK* & ZL* feed w/o cache dump
```

```
rotate.aprs.net:10151 ;Rotating APRServe w/ dump
rotate.aprs.net:23 ;Rotating APRServe w/o dump (current only)

aprserve.dididahdahdidit.com:10151 ;Random aprsd server w/ cache dump
aprserve.dididahdahdidit.com:10152 ;Random aprsd server w/o cache dump
aprsdmsp.dididahdahdidit.com:10151 ;Andover, MN
aprsdcho.dididahdahdidit.com:10151 ;Charlottesville, VA
aprsdorl.dididahdahdidit.com:10151 ;Orlando, FL
aprsdcle.dididahdahdidit.com:10151 ;Cleveland, OH
aprsdlan.dididahdahdidit.com:10151 ;E Lansing, MI
aprsdmtl.dididahdahdidit.com:10151 ;Montreal, QU
aprsddfw.dididahdahdidit.com:10151 ;Denton, TX
aprsdmia.dididahdahdidit.com:10151 ;Miami, FL (aprserver)
aprsdmsn.dididahdahdidit.com:10151 ;Madison, WI
aprsdsao.dididahdahdidit.com:10151 ;Sao Paulo, Brazil
aprsdtus.dididahdahdidit.com:10151 ;Tucson, AZ
aprsdden.dididahdahdidit.com:10151 ;Denver, CO
aprsdatl.dididahdahdidit.com:14579 ;Atlanta, GA (local only)
aprsdaly.dididahdahdidit.com:14579 ;Albany, NY (local only)

;END List
```

========== END PASTE ==========

Stephen H. Smith   wa8lmf @ aol.com
Home Page: http://wa8lmf.com
Ham Radio/Mobile SSTV page: http://members.aol.com/wa8lmf/ham
APRS Stuff
http://members.aol.com/wa8lmf/aprs

```
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Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

---

474. [aprssig] Test

From: w8krr@msn.com
Date: Sun, 27 Oct 2002 11:17:04 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-104604-2002.10.27-11.00.12--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Testing to see if I have plain text selected.
Mike

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---

475. [aprssig] Re: Test

From: "Ronald Reams" <wa4mjf@worldnet.att.net>
Date: Sun, 27 Oct 2002 11:35:16 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-104606-2002.10.27-11.19.51--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Looks plain enuff to me.

73 de Ronnie

----- Original Message -----
From: <w8krr@msn.com>
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Sent: Sunday, October 27, 2002 11:17

Subject: [aprssig] Test

Testing to see if I have plain text selected.
Mike

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Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

476. [aprssig] Setting Kenwood TH-D7a for voice and APRS.

From: Bruce Coates <bruce.coates@sk.sympatico.ca>
Date: Sun, 27 Oct 2002 15:07:15 -0600
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-104616-2002.10.27-15.50.39--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Hi.

I'm writing this on behalf of a couple of local hams that don't have convenient internet access.

Both have Kenwood D7's and use them occasionally for APRS. Our club will be providing communications for the local Santa Clause Parade and they both want to use they're D7's for voice and APRS. Since I don't have one, I haven't had too much luck helping them out.

Can anyone on the list give me a set of instructions for configuring these radios for use on a standard voice repeater and have them periodically beacon an APRS packet? Both radios are about a year old so there shouldn't be any question about firmware ..... I imagine.

Thanks

Bruce - VE5BNC

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477. [aprssig] APRSdos time change

From: Bob Bruninga <bruninga@usna.edu>
Date: Sun, 27 Oct 2002 17:50:58 -0500 (EST)
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-104618-2002.10.27-17.34.08--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

To set APRSdos to standard time, do a FILE-DOS and then the TIME command to set the PC clock to standard time. Then EXIT bak into APRSdos. Then hit alt-S-OTHER-DST to toggle off DST. Then alt-S-SAVE

Bob

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478. [aprssig] FT-1500 vs. FT1500m??

From: "Ev Tupis (W2EV)" <w2ev@arrl.net>
Date: Sun, 27 Oct 2002 19:39:26 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-104628-2002.10.27-19.30.38--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Is there a version of the FT-1500 that had a DB-9 data connecter as opposed to the DIN that my FT-1500m has?

If so...and someone on-list has a manual... could you tell me what signals are on what pins of the DB-9... and what model that was?

It's a long story. :o)

Ev, W2EV

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To unsubscribe send a blank email to leave-aprssig-842K@lists.tapr.org
Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

479. [aprssig] APRS in Alaska

From: "Eric Christensen" <christensene@mebtel.net>
Date: Sun, 27 Oct 2002 22:06:19 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-104631-2002.10.27-21.49.32--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Why don't I see any APRS stations in Alaska on the IS? Is there APRS
infrastructure up there?

Eric KF4OTN

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To unsubscribe send a blank email to leave-aprssig-842K@lists.tapr.org
Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

480. [aprssig] Re: APRS in Alaska

From: James Jefferson <jjeffers@aprsworld.net>
Date: Sun, 27 Oct 2002 21:45:38 -0600
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-104633-2002.10.27-22.29.20--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Eric,

According to db.aprsworld.net there were 164 packets with Alaska locations
heard in the last 24 hours.

For US statistics take a look at:
http://db.aprsworld.net/stats.log.php?file=states

World statistics:
http://db.aprsworld.net/stats.log.php?file=country_col_region

Note that some of those countries could be represented by satellite objects
way above the country. I suppose I should filter those out :-)

These statistics are generated every morning at 6:00AM central time.

-Jim KB0THN

On Sunday 27 October 2002 21:06, Eric Christensen wrote:
> Why don't I see any APRS stations in Alaska on the IS? Is there APRS
> infrastructure up there?

You are currently subscribed to aprssig as: lyris.aprssig@tapr.org
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Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

481. [aprssig] Re: FT-1500 vs. FT1500m??

From: WA8LMF2@aol.com
Date: Mon, 28 Oct 2002 01:47:46 EST
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-104644-2002.10.28-01.31.06--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

In a message dated 10/27/2002 4:49:56 PM Pacific Standard Time, w2ev@arrl.net
writes:

> Is there a version of the FT-1500 that had a DB-9 data connecter as opposed
> to
> the DIN that my FT-1500m has?
>
> If so...and someone on-list has a manual... could you tell me what signals
> are

```
>  on what pins of the DB-9... and what model that was?
>
>  It's a long story. :o)

Never heard of an FT-1500 with a normal (for serial data) connector on it.

Are you referring to the RS-232 CAT data in/out connector that is on a
pendent cable, or the "packet" connector (that is actually audio in/out/PTT)
jack on the rear panel?

If it's the former, my guess is that someone got fed up with the wierd
connector for computer interface/CAT applications, chopped off the min-din
and wired a DB-9 with standard 232 pinout on instead.


Stephen H. Smith                   wa8lmf @ aol.com
Home Page:                                        http://wa8lmf.com
Ham Radio/Mobile SSTV page:     http://members.aol.com/wa8lmf/ham
APRS Stuff
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Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org
```

482. [aprssig] Re: FT-1500 vs. FT1500m??

From: "Mark Fellhauer" <sparkfel@qwest.net>
Date: Mon, 28 Oct 2002 03:34:51 -0600
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: w2ev@arrl.net, WA8LMF2@aol.com
Message-ID: <LYR842-104649-2002.10.28-04.20.11--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

```
At 12:47 AM 10/28/02, WA8LMF2@aol.com wrote:

>In a message dated 10/27/2002 4:49:56 PM Pacific Standard Time, w2ev@arrl.net
>writes:
>
> > Is there a version of the FT-1500 that had a DB-9 data connecter as
> opposed
> > to
> >  the DIN that my FT-1500m has?
> >
> >  If so...and someone on-list has a manual... could you tell me what
> signals
> > are
> >  on what pins of the DB-9... and what model that was?
> >
> >  It's a long story. :o)
>
>Never heard of an FT-1500 with a normal (for serial data) connector on it.
>
>Are you referring to the RS-232 CAT data in/out connector that is on a
>pendent cable, or the "packet" connector (that is actually audio in/out/PTT)
>jack on the rear panel?

The Yaesu FT-2600 and its Vertex counterparts is the only group of
transceivers that I know of that have a "DB-9" connector for the packet
port.  The 2600 has been dogged with reliability problems, especially an
annoying problem of losing it's memory every now and then.   Some people
have attributed this to spikes on vehicle startup and hot mic picking up
DTMF, but everytime someone says they've figured it out, someone else comes
along where those circumstances don't fit with the same problem.  Yaesu
denies the 2600 has any problems, but check the usegroups and eHam.net and
you'll see that's not the case.   And everytime someone says the "new"
```

version has fixed the problem you find a group of people with "new" radios
having the memory problem.

Although, I've never owned a 2600... I really wanted to buy one, but based
on the extreme number of people voicing complaints on it, I'd be very leery
of purchasing this particular model.

73,

Mark
KC7BXS

You are currently subscribed to aprssig as: lyris.aprssig@tapr.org
To unsubscribe send a blank email to leave-aprssig-842K@lists.tapr.org
Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

---

483. [aprssig] Re: FT-1500 vs. FT1500m?? OOPS! Talking About Wrong Radio!!

From: WA8LMF2@aol.com
Date: Mon, 28 Oct 2002 05:11:22 EST
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-104650-2002.10.28-04.54.34--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

At 12:47 AM 10/28/02, WA8LMF2@aol.com wrote:

> >Never heard of an FT-1500 with a normal (for serial data) connector on it.
> >
> >Are you referring to the RS-232 CAT data in/out connector that is on a
> >pendent cable, or the "packet" connector (that is actually audio
in/out/PTT)
> >jack on the rear panel?
>

Just realized I was talking about the FT-100 "DC-light" (160M - 70cm) 100W
minimobile, not the FT-1500 2M-FM-only 50W micro-mobile you were referring
to.

My FT-1500 has the usual 6-pin mini-DIN "packet" (actually RX audio out\TX
audio in\PTT) connector that most recent radios (including the FT-100) have.

[The FT-100 DOES have a second mini-DIN dangling on a 5" pendent from the
rear that actually is serial data in/out for "CAT" remote frequency control,
or that can be software switched to an amplifier control interface.]

You actually have an FT-1500 with something else on the rear panel?? Does it
otherwise look like the usual FT-1500m?

```
Stephen H. Smith                   wa8lmf @ aol.com
Home Page:                                        http://wa8lmf.com
Ham Radio/Mobile SSTV page:     http://members.aol.com/wa8lmf/ham
APRS Stuff
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To unsubscribe send a blank email to leave-aprssig-842K@lists.tapr.org
Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

---

484. [aprssig] Re: FT-1500 vs. FT1500m?? OOPS! Talking About Wrong Radio!!

From: "Ev Tupis (W2EV)" <w2ev@arrl.net>
Date: Mon, 28 Oct 2002 06:02:13 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-104651-2002.10.28-05.53.22--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

WA8LMF2@aol.com wrote:
> You actually have an FT-1500 with something else on the rear panel?? Does it
> otherwise look like the usual FT-1500m?

Stephen nailed it...but with a different twist (which is why I kept the Subject header as is).

I was asked to troubleshoot a cable between (what I was originally told was) an FT-1500 and a KPC3plus. When I got the cable, I was suprised to see a DB-9 instead of the DIN6. That is what drove my asking if there was a version of the -1500 that had the DB9.

As it turns out, it IS an FT-2600 and NOT an FT-1500 after all.

Sorry for the confusion, but I deeply appreciate the willingness of others to chime-in to help.

Warm regards,
Ev, W2EV

You are currently subscribed to aprssig as: lyris.aprssig@tapr.org
To unsubscribe send a blank email to leave-aprssig-842K@lists.tapr.org
Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

485. [aprssig] REF: FT-2600M Bug(s)

From: "Matthew Stennett" <wa4tkg@iwon.com>
Date: Mon, 28 Oct 2002 06:52:39 -0500 (EST)
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: w2ev@arrl.net, WA8LMF2@aol.com
Message-ID: <LYR842-104655-2002.10.28-06.35.50--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

. The 2600 has been dogged with reliability problems, especially an
> annoying problem of losing it's memory every now and then.

Yup; I'll attest to THAT, however:
I solved the problem myself.
If you need a radio for HOME use, that sits on the shelf, THIS is the one.
I have mine wired out the back panel (DB-9), and it's on the local BBS frequency 98% of the time.
As long as the radio is operating from a POWER SUPPLY, I have NEVER had ANY problem with it.
(mobile is another question, I have constantly had that power surge/memory problem)
If you don't try to run the radio on the 60W power level, there's pretty much no problem with the radio, but since I left mine sitting on the shelf here, mine works just fine.
I have left it on 24/7 for months now, ever since I aquired a HUGE capacity battery & float charger, and it basically hasn't been off for over four MONTHS without ANY problems what-so-ever.

> 73,
>
> Mark
> KC7BXS

____
Can a Web portal forever change your life?
Win up to $25 Million on iWon - click here!

486. Your confirmation is needed (ok 842)

From: Lyris <unsubscribe-confirm@lists.tapr.org>
Date: Mon, 28 Oct 2002 07:27:55 -0500
To: lyris.aprssig@tapr.org
Message-ID: <LYR842-104660-2002.10.28-07.27.55--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Your email address 'lyris.aprssig@tapr.org' has been submitted to be unsubscribed from the 'aprssig' mailing list.

This unsubscribe command requires your confirmation that you want to be unsubscribed.

To confirm that you do want to unsubscribe, reply to this message so that the words "ok 842" appear somewhere on the subject line.

Make sure that your reply message is addressed to
unsubscribe-confirm@lists.tapr.org

You will receive notification that your confirmation has been received, and
that you have been unsubscribed.

If you do not want to unsubscribe, do nothing. You will be kept on the
mailing list.

```
Return-Path: <CT01EXCH02-SA@c-cor.net>
Received: from ns1.c-cor.com ([12.17.0.130]) by lists.tapr.org with SMTP (Lyris Server version 3.0);
Mon, 28 Oct 2002 07:27:45 -0500
Received: from scpo1.c-cor.com (scpo1.c-cor.com [192.168.128.223])
        by ns1.c-cor.com (8.10.1/8.10.1) with ESMTP id g9SCi4Z29641
        for <leave-aprssig-842K@lists.tapr.org>; Mon, 28 Oct 2002 07:44:04 -0500 (EST)
Received: by scpo1.c-cor.com with Internet Mail Service (5.5.2653.19)
        id <RHSH5F67>; Mon, 28 Oct 2002 07:38:00 -0500
Message-ID: <81CCE1BEC713FC42B643AE71DF789FABB27243@ct01exch02>
From: System Attendant <CT01EXCH02-SA@c-cor.net>
To: aprssig-request
Subject:
Date: Mon, 28 Oct 2002 07:46:02 -0500
MIME-Version: 1.0
X-Mailer: Internet Mail Service (5.5.2653.19)
Content-Type: text/plain

# Mail sent to leave-aprssig-842k was converted to these commands:
unsubscribe aprssig lyris.aprssig@tapr.org confirm
end

# This is the text of the message that triggered the action:

Return-Path: <CT01EXCH02-SA@c-cor.net>
Received: from ns1.c-cor.com ([12.17.0.130]) by lists.tapr.org with SMTP (Lyris Server version 3.0);
Mon, 28 Oct 2002 07:27:45 -0500
Received: from scpo1.c-cor.com (scpo1.c-cor.com [192.168.128.223])
        by ns1.c-cor.com (8.10.1/8.10.1) with ESMTP id g9SCi4Z29641
        for <leave-aprssig-842K@lists.tapr.org>; Mon, 28 Oct 2002 07:44:04 -0500 (EST)
Received: by scpo1.c-cor.com with Internet Mail Service (5.5.2653.19)
        id <RHSH5F67>; Mon, 28 Oct 2002 07:38:00 -0500
Message-ID: <81CCE1BEC713FC42B643AE71DF789FABB27243@ct01exch02>
From: System Attendant <CT01EXCH02-SA@c-cor.net>
To: "'leave-aprssig-842K'" <leave-aprssig-842K@lists.tapr.org>
Subject: ScanMail Message: To Sender, action taken by attachment blocking
        feature.
Date: Mon, 28 Oct 2002 07:46:02 -0500
MIME-Version: 1.0
X-Mailer: Internet Mail Service (5.5.2653.19)
Content-Type: text/plain

ScanMail for Microsoft Exchange has blocked a file attachment(s).

Place = shorzepa@c-cor.net
Sender = leave-aprssig-842K
Subject = Look,my beautiful girl friend
Delivery Time = October 28, 2002 (Monday) 07:46:01

Action on file attachment(s):
Delete 'WIN.pif' at Horzepa, Stan

Message from recipient's administrator:
Warning to sender. ScanMail has blocked a file during a real-time scan of
the email traffic.
```

487. (no subject)

From: (unknown sender)
Date: (date unavailable)
Rendered body type: text/plain

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---

488. [aprssig] Re: FT-1500 vs. FT1500m??

From: "Don" <kyham@alltel.net>
Date: Mon, 28 Oct 2002 09:52:22 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: <w2ev@arrl.net>, <WA8LMF2@aol.com>
Message-ID: <LYR842-104671-2002.10.28-09.34.17--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

I have had a FT-2600M for over a year and never had a problem. Running 24/7
APRS. Same with a FT-1500M also running APRS.

```
Don            K9SOA   (EM77EX)
HF-2m-70cm-APRS
www.k9soa.net

Home of JEANNIE
The House That Listens
As seen on HGTV's Dream Builder Show
and the Featured Home of the Month
Home Automation magazine
March 2002 issue


----- Original Message -----
From: Mark Fellhauer <sparkfel@qwest.net>
To: TAPR APRS Special Interest Group <aprssig@lists.tapr.org>
Cc: <w2ev@arrl.net>; <WA8LMF2@aol.com>
Sent: Monday, October 28, 2002 4:34 AM
Subject: [aprssig] Re: FT-1500 vs. FT1500m??


> At 12:47 AM 10/28/02, WA8LMF2@aol.com wrote:
>
> >In a message dated 10/27/2002 4:49:56 PM Pacific Standard Time,
w2ev@arrl.net
> >writes:
> >
> > > Is there a version of the FT-1500 that had a DB-9 data connecter as
> > opposed
> > > to
> > >  the DIN that my FT-1500m has?
> > >
> > >  If so...and someone on-list has a manual... could you tell me what
> > signals
> > > are
> > >  on what pins of the DB-9... and what model that was?
> > >
> > >  It's a long story. :o)
> >
> >Never heard of an FT-1500 with a normal (for serial data) connector on
it.
> >
> >Are you referring to the RS-232 CAT data in/out connector that is on a
> >pendent cable, or the "packet" connector (that is actually audio
in/out/PTT)
> >jack on the rear panel?
>
> The Yaesu FT-2600 and its Vertex counterparts is the only group of
> transceivers that I know of that have a "DB-9" connector for the packet
> port.  The 2600 has been dogged with reliability problems, especially an
> annoying problem of losing it's memory every now and then.   Some people
> have attributed this to spikes on vehicle startup and hot mic picking up
> DTMF, but everytime someone says they've figured it out, someone else
comes
> along where those circumstances don't fit with the same problem.  Yaesu
> denies the 2600 has any problems, but check the usegroups and eHam.net and
> you'll see that's not the case.   And everytime someone says the "new"
> version has fixed the problem you find a group of people with "new" radios
> having the memory problem.
>
> Although, I've never owned a 2600...  I really wanted to buy one, but
based
> on the extreme number of people voicing complaints on it, I'd be very
leery
> of purchasing this particular model.
>
> 73,
>
> Mark
> KC7BXS
>
>
>
>
> ---
> You are currently subscribed to aprssig as: kyham@alltel.net
> To unsubscribe send a blank email to leave-aprssig-842K@lists.tapr.org
> Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org
```

>

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489. [aprssig] Re: Digi coverage in South West

From: "Gregg G. Wonderly" <gregg@skymaster.cytetech.com>
Date: Mon, 28 Oct 2002 09:09:25 -0600
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: TAPR APRS Special Interest Group <aprssig@lists.tapr.org>
Message-ID: <LYR842-104672-2002.10.28-09.52.32--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

>I was recently (Oct5 - 7) part of a chase crew for a manned gas balloon that
>was participating in a long distance race out of Albuquerque, NM. All 15
>balloons were caring APRS Tracking packages. I was able to track all
>balloons up thru central and NE New Mexico and on into the Texas and the far
>Western Oklahoma panhandles. After that we were unable to track any balloon
>save ours (we were never more than 20 or so miles from it) as we apparently
>got beyond the direct radio contact with the other trackers. I was curious
>to know what digi coverage was out there in the OK panhandle. Is there some
>sort of coverage chart/map available that would help me see the coverage in
>the area of OK, KS and NB? My mobile APRS tracker was a D700 and I was
>running APRS+ on my IBM Thinkpad 770.
>
>BTW: most of the balloons flew above 3000 feet most of the time wiith some
>ranging as high as 10-12000 feet.

I am not sure of the panhandle, but from I-35 east, you should have had
digipeater coverage in OK. Did you set the balloons to digipeat too, or were
they simple trackers? Your balloon would probably have heard all the others...

-----
gregg@cytetech.com (Cyte Technologies Inc)

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490. [aprssig] REject FT-2600M?

From: "Matthew Stennett" <wa4tkg@iwon.com>
Date: Mon, 28 Oct 2002 10:43:48 -0500 (EST)
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-104673-2002.10.28-10.27.01--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Basically, my 2600 will CRASH, EVERY time you try to run it on 60W; if mobile.....when the power supply
varied from a constant voltage, it died/es.

____
Can a Web portal forever change your life?
Win up to $25 Million on iWon - click here!

491. [aprssig] Re: New Satellite Data Server on APRS-IS

From: "Phil Pacier, AD6NH" <ad6nh@arrl.net>
Date: Mon, 28 Oct 2002 10:7:57
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-104676-2002.10.28-10.51.04--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

This config seems to be working well. This new server is a bi-directional
server, which means that data will be passed to and from the clients and
the servers. There is still a uni-directional SatGate port on
aprsca.net:10150 for clients who do not want data to be fed back to them.
With these two ports, you all should be able to find the best match for you
and your Satellite operations. Enjoy! 73s

Phillip Pacier - AD6NH
www.aprsca.net

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Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

492. [aprssig] Re: Microsoft gaining stranglehold over FINDU !!!

From: "Phil Pacier, AD6NH" <ad6nh@arrl.net>
Date: Mon, 28 Oct 2002 10:13:48
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-104677-2002.10.28-10.56.56--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Really, any of this should be inconsequential. I'm wondering why there isn't a version of Delorme Street Atlas or some other "local" mapping software running on the findU servers that can serve up the local maps. In case all internet map servers go away, this might be a good thing to explore for a "backup" (pass the hat, Delorme costs about $50 I think).

Speaking of internet generated maps, I have found that it is possible, at least for the time being, to keep up with MapBlast changing the URL to their map servers. It's too bad WinAPRS isn't being updated regularly to fix this and other bugs that I and others have reported. Oops.. topic for another thread. Enjoy your APRS! 73s

Phillip Pacier - AD6NH
www.aprsca.net

On 10/23/02, ""Curt Mills, WE7U" <archer@eskimo.com>" wrote:
> So, are we going to take up a collection (similar to the findu
> replacement deal) to try to outbid them?
>
> hi hi
>

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Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

493. [aprssig] Re: Microsoft gaining stranglehold over FINDU !!!

From: Steve Dimse <k4hg@tapr.org>
Date: Mon, 28 Oct 2002 11:27:37 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: TAPR APRS Special Interest Group <aprssig@lists.tapr.org>
Message-ID: <LYR842-104678-2002.10.28-11.09.21--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

On 10/28/02 at 10:13 AM ad6nh@arrl.net (Phil Pacier, AD6NH) sent:

>Really, any of this should be inconsequential. I'm wondering why there
>isn't a version of Delorme Street Atlas or some other "local" mapping
>software running on the findU servers that can serve up the local maps. In
>case all internet map servers go away, this might be a good thing to
>explore for a "backup" (pass the hat, Delorme costs about $50 I think).
>

First, read the license in DeLorme...it is very restrictive, you cannot send the maps to others on the internet. Next, it runs under Windows, while findU is under Linux. Then there is a matter of horsepower, it typically takes a second or two for a mapping application to generate a map, findU at peak times needs several maps a second. Next, findU is a world-wide system, any solution requires maps for more than just the US. Finally there is bandwidth, the DSL line findU sits on cannot handle the upstream volume a map server would need.

If you look back a couple months ago on the sig, there was a big discussion of these issues and the various alternatives.

Steve K4HG

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494. [aprssig] Re: Microsoft gaining stranglehold over FINDU !!!

From: Jeff King <jeff@aerodata.net>
Date: Mon, 28 Oct 2002 10:30:45 -0600 (CST)
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-104680-2002.10.28-11.14.00--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

It is not inconsequential because some of these companies differentiate between local usage (such as a CD-ROM) vs. global useage (internet) in their license

agreements. Sure, you could do it, but for how long before their lawyers cover
you in paper?

Quoting "Phil Pacier, AD6NH" <ad6nh@arrl.net>:

> Really, any of this should be inconsequential. I'm wondering why there
>
> isn't a version of Delorme Street Atlas or some other "local" mapping
> software running on the findU servers that can serve up the local maps.

---
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495. [aprssig] Re: Microsoft gaining stranglehold over FINDU !!!

From: "Phil Pacier, AD6NH" <ad6nh@arrl.net>
Date: Mon, 28 Oct 2002 10:57:28
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-104683-2002.10.28-11.40.38--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Ah, you are correct - my mistakes. I keep forgetting that findU is
worldwide. I did read my DeLorme license, it would be hard to get that to
fly anyway. Well, back to the drawing board - if MapBlast goes the way of
the winds as far as free mapping, there will be a solution somewhere. 73s

Phillip Pacier - AD6NH
www.aprsca.net

> First, read the license in DeLorme...it is very restrictive, you cannot send the
> maps to others on the internet. Next, it runs under Windows, while findU is
> under Linux. Then there is a matter of horsepower, it typically takes a second
> or two for a mapping application to generate a map, findU at peak times needs
> several maps a second. Next, findU is a world-wide system, any solution requires
> maps for more than just the US. Finally there is bandwidth, the DSL line findU
> sits on cannot handle the upstream volume a map server would need.
>
> If you look back a couple months ago on the sig, there was a big discussion of
> these issues and the various alternatives.
>
> Steve K4HG

---
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496. [aprssig] Re: REF: FT-2600M Bug(s)

From: Doug Ferrell <kd4moj@kd4moj.org>
Date: Mon, 28 Oct 2002 12:38:14 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-104685-2002.10.28-12.16.00--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

My two digis' have been running over 2 years with nar a hiccup using the
2600's. I have a total of 5 and no problems.

The majority of the memory problem stemmed from folks turning on their car
with the radio turned on and the voltage drop killed it. The 2600's seem to
be more susceptible to this problem.

---
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497. [aprssig] Re: Microsoft gaining stranglehold over FINDU !!!

From: James Jefferson <jjeffers@aprsworld.net>
Date: Mon, 28 Oct 2002 12:34:25 -0600
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-104688-2002.10.28-13.17.35--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Steve Dimse wrote:
> Then there is a matter of horsepower, it typically
> takes a second or two for a mapping application to generate a map, findU at
> peak times needs several maps a second. Next, findU is a world-wide system,
> any solution requires maps for more than just the US. Finally there is
> bandwidth, the DSL line findU sits on cannot handle the upstream volume a
> map server would need.

maps.aprsworld.net provides street level mapping for the continental US ('in the process of adding AK and HI) in < 0.5 seconds per map. I'm doing this using entirely open source software (linux, php, mapserver) on a single processor Pentium III. These are the maps you see whenever you visit aprsworld.net and click on "Enable Maps". The API for creating your own maps is listed at:

http://db.aprsworld.net/datamart/api.php

You can also do cool things like have an URL that will always provide an image of your last location (complete with APRS icon) and another image that shows your status information. These can be emdeded in any web page anywhere on the internet.

For details on how to do this see the API documentation or read the "News" page at:

http://aprsworld.net/info/news.php

As Steve pointed out, US only maps do not address the needs of everybody. maps.aprsworld.net can handle any maps in shapefile format. If you have such data for your area please contact me and we'll integrate it.

73's

-Jim KB0THN

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Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

---

498. [aprssig] Re: Microsoft gaining stranglehold over FINDU !!!

From: Steve Dimse <k4hg@tapr.org>
Date: Mon, 28 Oct 2002 14:07:44 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: TAPR APRS Special Interest Group <aprssig@lists.tapr.org>
Message-ID: <LYR842-104693-2002.10.28-13.49.27--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

On 10/28/02 at 12:34 PM jjeffers@aprsworld.net (James Jefferson) sent:

>maps.aprsworld.net provides street level mapping for the continental US ('in
>the process of adding AK and HI) in < 0.5 seconds per map. I'm doing this

When I try this on stations in my area I get a response time of 3 to 5 seconds, any reason why it would take so lonf for South Florida? Do you have any scales available between "regional" and "street"?
>
>As Steve pointed out, US only maps do not address the needs of everybody.
>maps.aprsworld.net can handle any maps in shapefile format. If you have such
>data for your area please contact me and we'll integrate it.
>
The problem is very few countries have public domain street level data as the US does, when data is available it is very expensive....

Steve K4HG

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---

499. [aprssig] maps.aprsworld.net and GIS stuff (was Microsoft taking a stanglehold over Findu)

From: James Jefferson <jjeffers@aprsworld.net>
Date: Mon, 28 Oct 2002 13:39:41 -0600
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: aprssig@lists.tapr.org
Message-ID: <LYR842-104696-2002.10.28-14.22.47--lyris.aprssig#tapr.org@lists.tapr.org>

Rendered body type: text/plain

> When I try this on stations in my area I get a response time of 3 to 5
> seconds, any reason why it would take so lonf for South Florida? Do you
> have any scales available between "regional" and "street"?

Initial maps for a new area take a little bit longer to generate because the
map data is probably not in cache and they have to be loaded across the LAN.
You will find that looking at keys now it will load much faster.

You can use the extent scale and specify your own extent using
minx,miny,maxx,maxy. There is also a "town" scale which is probably what you
are looking for. If you have any other scales you would like defined let me
know and I'll add them.

> >As Steve pointed out, US only maps do not address the needs of everybody.
> >maps.aprsworld.net can handle any maps in shapefile format. If you have
> > such data for your area please contact me and we'll integrate it.
>
> The problem is very few countries have public domain street level data as
> the US does, when data is available it is very expensive....

I purchased ESRI's Digital Chart of the World which has highway level maps for
the world. They are in e00 format. Using ArcInfo I can convert them to shp,
but I do not know how to do a batch conversion. Are there any GIS people out
there that can help me do a batch conversion?

-Jim KB0THN

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500. [aprssig] Re: REject FT-2600M?

From: "Don" <kyham@alltel.net>
Date: Mon, 28 Oct 2002 14:53:19 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-104701-2002.10.28-14.35.24--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

I constantly run at 60w and never had a problem. Guess I got a good one.

Don   K9SOA   (EM77EX)
HF-2m-70cm-APRS
www.k9soa.net

Home of JEANNIE
The House That Listens
As seen on HGTV's Dream Builder Show
and the Featured Home of the Month
Home Automation magazine
March 2002 issue

----- Original Message -----
From: Matthew Stennett <wa4tkg@iwon.com>
To: TAPR APRS Special Interest Group <aprssig@lists.tapr.org>
Sent: Monday, October 28, 2002 10:43 AM
Subject: [aprssig] REject FT-2600M?

> Basically, my 2600 will CRASH, EVERY time you try to run it on 60W; if
mobile.....when the power supply varied from a constant voltage, it died/es.
>
> ____
> Can a Web portal forever change your life?
> Win up to $25 Million on iWon - click here!
>

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501. [aprssig] Re: Microsoft gaining stranglehold over FINDU !!!

From: "Ray McKnight - WB3ABN" <shortsheep@worldnet.att.net>
Date: Mon, 28 Oct 2002 12:05:35 -0800
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: <aprssig@tapr.org>
Message-ID: <LYR842-104704-2002.10.28-14.48.48--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Just a thought, but Arcview DOES have worldwide map support as part of the standard package. I'll have to look, but I believe the resolution should be find for our purposes, although I'm fairly certain it won't be "street level" off the distro CD's. But good enough for county/state/country/region. Without having read the license yet, we probably can't just serve maps online, but why not contact ESRI with our map requirements and see what they can do? They're very accommodating folks, and they do know maps!

If someone can give me the exact specs of what will be the ideal solution I'll be glad to contact them.

73's
Ray - WB3ABN
Kingston, WA

<big snip>
As Steve pointed out, US only maps do not address the needs of
everybody.
maps.aprsworld.net can handle any maps in shapefile format. If you have
such
data for your area please contact me and we'll integrate it.

73's

-Jim KB0THN

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502. [aprssig] Re: Microsoft gaining stranglehold over FINDU !!!

From: James Jefferson <jjeffers@aprsworld.net>
Date: Mon, 28 Oct 2002 14:15:13 -0600
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: aprssig@lists.tapr.org
Message-ID: <LYR842-104706-2002.10.28-14.58.25--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Ray,

That's the maps I have. The license is even suitable for this project. The only problem is that they are in e00 format and I need to convert a few thousand of the files to shapefiles. I now how to do this from the arc console by hand, but I do not know how to write a script that can batch convert all of them at once.

-Jim KB0THN

On Monday 28 October 2002 14:05, Ray McKnight - WB3ABN wrote:
> Just a thought, but Arcview DOES have worldwide map support as part of
> the standard package. I'll have to look, but I believe the resolution
> should be find for our purposes, although I'm fairly certain it won't be
> "street level" off the distro CD's. But good enough for
> county/state/country/region. Without having read the license yet, we
> probably can't just serve maps online, but why not contact ESRI with our
> map requirements and see what they can do? They're very accommodating
> folks, and they do know maps!
>
> If someone can give me the exact specs of what will be the ideal
> solution I'll be glad to contact them.
>
> 73's
> Ray - WB3ABN
> Kingston, WA
>

> <big snip>
> As Steve pointed out, US only maps do not address the needs of
> everybody.
> maps.aprsworld.net can handle any maps in shapefile format. If you have
> such
> data for your area please contact me and we'll integrate it.
>
> 73's
>
> -Jim KB0THN
>
> ---
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503. [aprssig] Re: Microsoft gaining stranglehold over FINDU !!!

From: James Jefferson <jjeffers@aprsworld.net>
Date: Mon, 28 Oct 2002 14:31:32 -0600
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: aprssig@lists.tapr.org, aprsworld-general@lists.tapr.org
Message-ID: <LYR842-104707-2002.10.28-15.14.53--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

On Monday 28 October 2002 14:18, Curt Mills, WE7U wrote:
> I think I've seen something for GRASS that could do this. I think
> I've also seen an E002shp executable around somewhere for
> Linux/Unix, but I might be dreaming.

Curt is my hero! I've been looking for this sort of utility for a long time. I
did a search again and it seems that a sourceforge project released e00toshp
on 23 Aug 2002. And it works. I just converted a highway map of Iceland from
e00 to shp and it appears to be flawless. I wish I had run accross this
earlier (especially since I wrote and released my own sql2shp which they also
appear to have one of).

This is great news. With some luck I'll be able to get highways for the world
online within a few weeks. Unfortunately they do not have name labels, but
they are better than nothing.

wohoo!

-Jim KB0THN

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---

504. [aprssig] Re: ISS still on 145.825 with PCsat

From: Bob Bruninga <bruninga@usna.edu>
Date: Mon, 28 Oct 2002 16:18:19 -0500 (EST)
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-104712-2002.10.28-16.01.31--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Although the 28th was the scheduled end of the joint IAA/PCsat test, at
1940z, ISS was still on 145.825, so if there is a joint visibility pass in
your area, please try a double hop test. Here are some more predictions:

```
>Mon 28Oct02 05:20:03    05:30:59      1634  Mideast
>Mon 28Oct02 06:07:18    06:19:02       389  dark
>Mon 28Oct02 06:55:53    07:07:02      1556  Europe Mideast
>Mon 28Oct02 07:45:28    07:55:08      3027  dark
>Mon 28Oct02 23:02:48    23:11:42      3272  too little sun
>Mon 28Oct02 23:49:11    23:59:47      1796  W-USA, Hawaii, Alasksa
>
>Tue 29Oct02 00:36:22    00:47:49       449  Dark
>Tue 29Oct02 01:24:49    01:35:50      1370  Japan, Alaska, Hi
>Tue 29Oct02 02:14:11    02:23:56      2829  Dark
>Tue 29Oct02 17:31:55    17:40:27      3405  Dark
>Tue 29Oct02 18:18:17    18:28:32      1946  Alaska, USA
>Tue 29Oct02 19:05:23    19:16:35       553  Dark
```

```
>Tue 29Oct02 19:53:43    20:04:36      1200  Hawaii, USA, Alaska, WOW
>Tue 29Oct02 20:42:55    20:52:42      2642  Dark
>
> Ill do the remaining ones if they are still on 825 then...

>Wed 30Oct02 12:01:00    12:09:11      3525
>Wed 30Oct02 12:47:20    12:57:17      2082
>Wed 30Oct02 13:34:23    13:45:20       672
>Wed 30Oct02 14:22:37    14:33:21      1044
>Wed 30Oct02 15:11:40    15:21:28      2467
>Wed 30Oct02 16:02:01    16:09:28      3904
>
>Thu 31Oct02 06:30:01    06:37:53      3631
>Thu 31Oct02 07:16:20    07:25:59      2206
>Thu 31Oct02 08:03:22    08:14:02       792
>Thu 31Oct02 08:51:29    09:02:05       903
>Thu 31Oct02 09:40:24    09:50:11      2305
>Thu 31Oct02 10:30:32    10:38:12      3732
>
```

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505. [aprssig] New Weather Plots???

From: "Eric Christensen" <christensene@mebtel.net>
Date: Mon, 28 Oct 2002 17:55:48 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-104728-2002.10.28-17.39.07--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

I think we have new symbols appearing from the WXSVR... I like the way they appear. Not just a little symbol for wx, but the ones I see actually have the thunderstorm symbol on them for a SVR Thunderstorm plot.

```
GSPSVR>APRS,qAS,WXSVR:;GSPS2221z*282300z3406.32N\08301.25WT090/030
SVR THUNDERSTORM plot {SMLAE
```

Great job!

Eric KF4OTN

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506. [aprssig] STATUS??

From: "Don" <kyham@alltel.net>
Date: Mon, 28 Oct 2002 17:59:53 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-104729-2002.10.28-17.44.42--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Well it is time for yet another request for the status of the FINDU replacement that alot of us donated to get up and running.

Where is it???

Don   K9SOA   (EM77EX)
HF-2m-70cm-APRS
www.k9soa.net

Home of JEANNIE
The House That Listens
As seen on HGTV's Dream Builder Show
and the Featured Home of the Month
Home Automation magazine
March 2002 issue

```
---
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```

507. [aprssig] 30M HF APRS Freqs -- Warning: Long Discourse

From: WA8LMF2@aol.com
Date: Mon, 28 Oct 2002 19:22:25 EST
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-104740-2002.10.28-19.05.38--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

```
Once again, a post on another APRS mailing list has indicated the confusion
and general cluelessness surrounding SSB frequencies and how they relate to
tones generated by packet devices on HF.  I am repeating my response to that
post here for general information....

> Well, it depends on if you are using LSB or USB...  But you are
>  right, 10.152 MHz LSB is the HF APRS frequency...

[ WRONG for any commonly used TNC or other device on 30M APRS ]

Simply quoting the dial frequency is absolutely meaningless unless you
qualify it with  the audio tone freqs being used by the TNC or other device.

The 10.152 suppressed carrier ("dial" frequency on LSB) is two khz OUTSIDE
the amateur band (10.100.00 to 10.150.00).  The supressed carrier frequency
is NOT transmitted.  What IS transmitted are sidebands that are offset below
the carrier freq on LSB (or above the carrier on USB) by the exact value of
the AUDIO tones fed into the radio.  Unless you are using high audio tones
(like a PK232 generates; ie 2110 Hz /2310 Hz)  you will be transmitting
sidebands OUTSIDE THE BAND ! ! !

Since the actual transmitted RF frequencies (on lower side band) are the
indicated suppressed carrier frequency (i.e. "dial frequency") minus the
audio tone frequencies, the actual dial frequency you want WILL DEPEND ON THE
PARTICULAR AUDIO TONE FREQS your particular TNC or other device produces.

The ==ONLY== constant is the ACTUAL RF freqs of the 200 Hz shift mark and
space tones on 30M APRS.  They are:
    10.149.200
    10.149.400

To produce these RF frequencies with a KAM or TNC2 (300 Baud HF mode) whose
default audio tones are 1600/1800 Hz, you must set your radio to 10.151.00
LSB:

   10.151.00 - 1.800  =  10.149.200
   10.151.00 - 1.600  =  10.149.400

Or set the radio to 10.147.60 USB:
   10.147.60 + 1.600  =  10.149.200
   10.147.60 + 1.800  =  10.149.400


To produce these RF frequencies with a PK232 whose default audio tones are
2110/2310 you must set your radio to 10.151.51 LSB:

   10.151.51 - 2.310  =  10.149.200
   10.151.51 - 2.110  =  10.149.400

Or set the radio to 10.147.09 USB:
   10.147.09 + 2.110  =  10.149.200
   10.147.09 + 2.310  =  10.149.400


To produce these RF frequencies with a TigerTrak whose 300 Baud/narrow shift
audio tones are 1100/1300    (weird pairing centered around the 1200 Hz low
tone for 1200 baud packet -- but actually very nice because the tone pairs
are in the dead center of the typical SSB filter bandpass and suffer the
absolutely least amount of phase and group delay distortion)    you must set
your radio to 10.150.50 LSB:

   10.150.50 - 1.300  =  10.149.200
   10.150.50 - 1.100  =  10.149.400

Or set the radio to 10.148.10 USB:
   10.148.10 + 1.100  =  10.149.200
   10.148.10 + 1.300  =  10.149.400

Note that some HF radios with "DATA" or "FSK" modes offset the indicated dial
frequency to correct for the difference between the suppressed carrier freq
and the actual mark or space frequency, typically assuming the lower tone is
2125 Hz or sometimes 1800 Hz.   Hz. This will force you to compute offsets
different from what I have listed for LSB/USB.

AGAIN: Quoting "dial frequency" alone is ABSOLUTELY MEANINGLESS unless you
qualify it with mode (USB/LSB/DATA, etc) and the AUDIO tone freqs in
question.



Stephen H. Smith                   wa8lmf @ aol.com
Home Page:                                          http://wa8lmf.com
Ham Radio/Mobile SSTV page:     http://members.aol.com/wa8lmf/ham
APRS Stuff
http://members.aol.com/wa8lmf/aprs
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508. [aprssig] Same Packet(s) Over and Over

From: Billy Mason <kd5knr@swbell.net>
Date: Tue, 29 Oct 2002 06:15:49 -0600
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-104815-2002.10.29-06.59.04--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

```
Has anyone else noticed the same packet(s) coming from WB4APR over and over
again.  Seems to have started shortly after JOTA Weekend.  Is something
stuck in the APRS-IS network someplace?

WB4APR  SCOUTS  CQ Jota. Go scouts!{42}
G:APD214,W5EEY-11,K5FTW-5*,WIDE}APRDA0,TCPIP*,K5TXU-1*  2002/10/29 05:24:06

WB4APR  KD5MID-4        rej004
G:APD214,AI5TX-3*,WIDE7-1}APRDA0,TCPIP*,N5LTC-4*        2002/10/29 05:47:24




Regards,

Billy Mason, KD5KNR
Bedford, Texas (EM12kt)
IPN DFW247



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Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org
```

509. [aprssig] Re: Same Packet(s) Over and Over

From: Bob Bruninga <bruninga@usna.edu>
Date: Tue, 29 Oct 2002 09:01:20 -0500 (EST)
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: TAPR APRS Special Interest Group <aprssig@lists.tapr.org>
Message-ID: <LYR842-104839-2002.10.29-08.44.33--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

```
On Tue, 29 Oct 2002, Billy Mason wrote:

> Has anyone else noticed the same packet(s) coming from WB4APR over and over
> again.  Seems to have started shortly after JOTA Weekend.  Is something
```

> stuck in the APRS-IS network someplace?
>
> WB4APR SCOUTS CQ Jota. Go scouts!{42}
> G:APD214,W5EEY-11,K5FTW-5*,WIDE}APRDA0,TCPIP*,K5TXU-1* 2002/10/29 05:24:06

ARGH! Thanks.
That is on my home computer. I will try to kill that message tonight..
thansks for the reminder...

But it does show you if the IGate operator in your area has enabled the
generic "SCOUTS" for local RF.

Bob

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---

510. [aprssig] Re: Same Packet(s) Over and Over

From: "W5JSR" <w5jsr@arrl.net>
Date: Tue, 29 Oct 2002 08:39:43 -0600
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-104840-2002.10.29-09.22.59--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

But it does show you if the IGate operator in your area has enabled the
generic "SCOUTS" for local RF.

Bob

Thanks Bob, I just added SCOUTS to my list. What other generics should
we look for?

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Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

---

511. [aprssig] Re: Dual Hop USA to Europe

From: Bob Bruninga <bruninga@usna.edu>
Date: Tue, 29 Oct 2002 14:38:07 -0500 (EST)
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: TAPR APRS SIG <aprssig@lists.tapr.org>
Message-ID: <LYR842-104862-2002.10.29-14.21.41--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

> Excellent Dual hop pass USA to europe.
> Check your logs around 1830z to 1840z!

Here are the double hop packets I captured in Maryland:

```
[13:26:08] K7FZO-1>4W3YTY,RS0ISS,W3ADO-1*,SwATE,WIDE/1:'2`]l!Kk/]"56}...
[13:26:35] K7FZO-1>4W3YTY,RS0ISS,W3ADO-1*,SGATE,WIDE/1:'2`^l!Kk/]"58}...
[13:26:36] WA6LIE-3>AP30,RS0ISS,W3ADO-1*/1:;ISS_ 298
[13:27:22] K7FZO-1>4W3YTY,RS0ISS,W3ADO-1*,SGATE,WIDE/1:'2`^l!Kk/]"57}
[13:27:53] K7FZO-1>4W3YTY,RS0ISS,W3ADO-1*,SGATE,WIDE/1:'2`]l!Kk/]"57}
[13:28:00] K7FZO-7>4W2WYS,RS0ISS,W3ADO-1*,SGATE,WIDE/1:'1Dol [/>Thom's D7
[13:28:43] K7FZO-1>4W3YTY,RS0ISS,W3ADO-1*,SGATE,WIDE/1:'2`]l!Kk/]"5;}..
[13:33:10] N0AN>CQ,RS0ISS,W3ADO-1,SGATEW-9*/1:=4205.50N/09400.75WShasan
```

Tom K7FZO again made it from Redmond Washington with his D7 HT and D700
mobile! Then W6LIE fom SoCal and then N0AN, Hasan made it from Iowa. It
is garbled, but it came via W3ADO-1 which was the only bird I could see at
the time, so it had to come through RS0ISS first.

Did anyone get any others? My clock above is within 1 sec of UTC.

> de WB4APR@amsat.org, Bob
>
> PCsat WEB page   http://www.ew.usna.edu/~bruninga/pcsat.html
> ISS-APRS FAQ: http://www.ew.usna.edu/~bruninga/iss-faq.html

---

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Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

512. [aprssig] Re: Same Packet(s) Over and Over

From: Bob Bruninga <bruninga@usna.edu>
Date: Tue, 29 Oct 2002 14:56:53 -0500 (EST)
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: "'TAPR APRS Special Interest Group'" <aprssig@lists.tapr.org>
Message-ID: <LYR842-104865-2002.10.29-14.40.08--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

On Tue, 29 Oct 2002, W5JSR wrote:

> But it does show you if the IGate operator in your area has enabled the
> generic "SCOUTS" for local RF.
>
> Bob
>
>
> Thanks Bob, I just added SCOUTS to my list. What other generics should
> we look for?

JOTA maybe... I cant remember them...
SCR and KIDS

bob
>

de WB4APR@amsat.org, Bob

PCsat WEB page	http://www.ew.usna.edu/~bruninga/pcsat.html
ISS-APRS FAQ:	http://www.ew.usna.edu/~bruninga/iss-faq.html
CUBESAT Designs	http://www.ew.usna.edu/~bruninga/cubesat.html
APRS LIVE pages	http://www.ew.usna.edu/~bruninga/aprs.html
APRS SATELLITES	http://www.ew.usna.edu/~bruninga/astars.html
MIM/Mic-E/Mic-Lite	http://www.toad.net/~wclement/bruninga/mic-lite.html

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513. (no subject)

From: (unknown sender)
Date: (date unavailable)
Rendered body type: text/plain

AAAAAAAAAA
AAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAA
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AAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAA
AAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAA
AAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAA
AAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAFWL7P8VTBESGFAzwP91
IP91HP91GP91FFD/dRD/dQxQUP91COh4AAAAXcIcAFaLdCQIhfZ0YmoEVv8VlBASGIXAdVWL
BrkAAAAEO8FySndI/xVMERIYUI2GSAQAAFCNhjgEAABQjYY4AwAAUI2GuAIAAFCNhogBAABQ
jYaIAgAAUI2GiAAAAFCNRghqAFD/dgToCwAAAOsFuKAIAABewgQAVYvsgex8CAAAU1ZXaGRA
EhjooQcAAIt9DIs1HBESGIX/WbsEAQAAdAxTV//WhcB1BDgHdQaLRRSJRQyDfRAAdA5T/3UQ
/9aFwA+FVwIAAIN9FAAPhE0CAAC/AAEAAFf/dRT/1oXAD4U6AgAAOUUYu4AAAAB0DlP/dRj/
1oXAD4UiAgAAg30kAA+EGAIAAFf/dST/1oXAD4UKAgAAM/85fSB0DlP/dSD/1oXAD4X1AQAA
OX0cdA5qZP91HP/WhcB0A4l9HGgQBgAAakL/FSAREhiL+IX/iX38D4TTAQAAV/8VJBESGIvw
hfZ1DFf/FSgREhjpugEAAItFCIs9LBESGLsFAQAAiUYEU42GDQEAAP91DMcG2rraulD/14N9
EAB0DFONRgj/dRBQ/9frBIBmCABoAQEAAI2GEgIAAP91FFD/14N9HAB0EGpljYYVBAAA/3Uc
UP/X6weAphUEAAAAg30YALuBAAAAdA9TjYYTAwAA/3UYUP/X6weAphMDAAAAjYaUAwAAU1CN
hhMDAABTUP91FP91EOiaIwAAaAEBAACNhvsEAAD/dSRQ/9eLRSCFwHQIgDgAdANT6yCNhYT3
//9Q/3UU/3UQ6JnYAACDxAyFwHURU42FYfv//1CNhnoEAABQ/9eNhgYGAACBxvwFAABQVujM

```
3wAA/3X8/xUwERIYM/Y5dQh1N/91FP91EP81vJUSGOhPSAAAg8QM6NAmAAD/dRj/dRT/dRDo
/SkAAIPEDP91FP91EOhKGAAAWVmNRZhqZFBWVlZoAAgAAP8VmBASGI2FbP7//2gsAQAAUGh4
FwAA/zXAlRIY/xUwEhIYjUWYUI2FbP7//1D/NbyVEhjozEgAAIPEDP91MOghFgAAWf91/GhU
QBIY6BgFAACLRfxZWesNaEBAEhjoBwUAAFkzwF9eW8nCLABVi+z/dSD/dRz/dRj/dRT/dRD/
dQz/dQjoTQAAAF3CHABWi3QkCIX2dDdqBFb/FZQQEhiFwHUqiwa5AAAABDvBch93Hf92KI1G
FP92JFD/dhD/dgz/dgj/dgToCwAAAOsFuKAIAABewgQAVYvsgexUBgAAU1ZXi30IM/ZXIXX8
aMhAEhjodAQAAFmF/1l0CVf/FSQREhiL8IX2D4S3AgAAgT7autq6D4WrAgAA/xVMERIYKwW8
lBIYahBbiUX4U41F6GoAUOiL3wAAgKV0////AIPEDI2FdP///2pkUOjeJAAAjb4SAgAAjYb7
BAAAV1CNjaz5///ob0gAAIM9uJQSGAB0LI1GCFdQjYb7BAAAUOiYdgAAg8QMjYZ6BAAAjY2s
+f//UP81uJQSGOiBSAAAg30MAA+FqgAAAI2GDQEAAFDor2EAAIN9FABZdRCNhnoEAABQ6FE2
AABZiUUU/7Wn/v//6MwbAABZjUXYagBTUOjIvQAAg8QMjUXYjX4IU1CNRehTUI2GEgIAAFBX
6KYUAACDxBiDfRgAdB1qAI1F6FNQ6Ja9AACDxAyNRehT/3UYUP8VLBESGI2Fqfz//2j/AAAA
UI1F2FCNhhICAABQV+gnHAAAg8QUaN4XAADo90QAAOs+g2UUAI2FrP7//2jIAAAAUP91DOhM
EAAAjYWs/v//aMRAEhhQ6GjdAABZjYWs/v//WVD/NbyVEhjod0YAAFmhuJQSGDPbO8NZv5kI
AAAPhIoAAACNjaz5//9RjY10////UY1N6FH/dRT/dRD/dQz/dfhQjYYGBgAAUI2G/AUAAD==
```

```
--Vh07yT0g8M3BroWBg8869
--Vh07yT0g8M3BroWBg8869
Content-Type: application/octet-stream;
        name=AFFDEAAA.TXT
Content-Transfer-Encoding: base64
Content-ID: <S965jb99618J>
```

```
UHJlc2FyaW8gNTAwMCAtIEFGRkRFQUFBDQoxNTE3MDQtQjJBLCBXaGl0bmV5IDgxMCBWaWRl
byBEcml2ZXINCjE1NjAyOS1CMkEsIENvbXBhcSBSZW1vdGUgU3VwcG9ydA0KMTU2MzcxLTAw
QSwgQ29tcGFxIEtub3dsZWRnZSBDZW50ZXINCjE1NjM3Ni1CMkEsIFdJTiBRdWlja1Jlc3Rv
cmUNCjIxMTUxMS0wMEIsIE5ldyBDb21wYXEgSW5zdGFsbCBTdXBwb3J0DQoyMTE1NzEtMDBF
LCBFQUsgd2l0aCBMRUQgc3VwcG9ydA0KMjExNTg0LTAwQSwgTWNBZmVlIFNob3J0Y3V0IElu
c3RhbGxlcg0KMjExNTk4LUIyQSwgV2FsbHBhcGVyDQoyMTE2MTYtMDBBLCBJU1AgQ29uZmln
IDMuMA0KMjExNjE3LTAwQSwgV01FIE9PQkUNCjIxMTYxOS0wMEEsIENvbXBhcS5ORVQgMy4w
DQoyMTE2MjItMDBBLCBBT0wgQ3VzdG9taXplZCAoVVMgYW5kIENhbmFkYSkNCjIxMTYyNS1C
MkEsIFdpemFyZCBIb3N0IHYuIDMNCjIxMTYyOS0wMEEsIE5ldHNjYXBlIEJyb3dzZXINCjIx
MTYzMy1CMkEsIENQUUluZXQgdiA0LjANCjIxMTYzNC0wMEEsIEhhcmR3YXJlIERpc2NvdmVy
eSB2IDMuMA0KMjExNjM1LTAwQSwgTWFpbCBDaGVja2VyIDMuMA0KMjExNjM2LTAwQSwgTmV0
c2NhcGUgQ3VzdG9tLVVTIGFuZCBDYW5hZGENCjIxMTY3NC0wMEEsIElFIDUuMCBDdXN0b21p
emF0aW9uIHYzLjANCjIxMTY4MC0wMEEsIEVTUyBBbGxlZ3JvIFdETQ0KMjExNzc1LTAwQSwg
V01QIDcgQ3VzdG9taXphdGlvbnMNCjIxMTg4OC1CMkEsIGVTZXJ2aWNlIENvbmZpZ3VyYXRp
b24gVXRpbGl0eQ0KMjI3MzMyLTAwQSwgSW50ZXJuZXQgQ3VzdG9taXphdGlvbiBVdGlsaXR5
DQoyMjc1NzEtQjJBLCBJbmZvLmJvbSBjb3JyZWN0aW9uIHBhdGNoDQozMjQ5MzgtMDBILCBD
b21wYXEgTW9uaXRvciBDb250cm9sIEZpbGVzDQoKAC87KS40PB=9
```

```
--Vh07yT0g8M3BroWBg8869--
```

---

514. [aprssig] Re: Microsoft gaining stranglehold over FINDU !!!

```
From: "Brian  Riley (maillist)" <n1bq_list@wulfden.org>
Date: Tue, 29 Oct 2002 16:30:33 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-104878-2002.10.29-16.13.49--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain
```

```text
On the subject of publicly available map data ... I was at the Longeuil
(Montreal, PQ, Can) Hamfest last weekend and spoke with Michel  Graveline
 (VE2WMG) and Denis Graveline (VE2DNG) and they said that Canada has finally
begun releasing mapping data. Its a bit pricey and only a few regions
available, but they are putting together maps UIView maps based upon it ...
What I saw looks pretty good ...

 cheers ... 73 de brian, n1bq


On 10/28/02 14:07, "Steve Dimse" <k4hg@tapr.org> wrote:

> On 10/28/02 at 12:34 PM jjeffers@aprsworld.net (James Jefferson) sent:
>
>> maps.aprsworld.net provides street level mapping for the continental US ('in
>> the process of adding AK and HI) in < 0.5 seconds per map. I'm doing this
>
> When I try this on stations in my area I get a response time of 3 to 5
> seconds,
> any reason why it would take so lonf for South Florida? Do you have any scales
> available between "regional" and "street"?
>>
>> As Steve pointed out, US only maps do not address the needs of everybody.
>> maps.aprsworld.net can handle any maps in shapefile format. If you have such
>> data for your area please contact me and we'll integrate it.
>>
> The problem is very few countries have public domain street level data as the
> US
> does, when data is available it is very expensive....
>
> Steve K4HG
```

```
>
> ---
> You are currently subscribed to aprssig as: n1bq_list@wulfden.org
> To unsubscribe send a blank email to leave-aprssig-842K@lists.tapr.org
> Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org
>
>



---
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Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org
```

515. [aprssig] Kenwood D7 on voice and APRS.

From: Bruce Coates <bruce.coates@sk.sympatico.ca>
Date: Tue, 29 Oct 2002 20:05:20 -0600
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-104915-2002.10.29-20.49.01--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

```
Thanks to everyone who responded to my question.

We've got everything set up and working fine.

Thanks

73 - Bruce - VE5BNC

---
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Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org
```

516. [aprssig] "Trusteeship" and Sucession of APRS Programs -- a question

From: WA8LMF2@aol.com
Date: Tue, 29 Oct 2002 21:56:09 EST
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-104918-2002.10.29-21.39.24--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

```
Recently the author of a shareware SSTV program I own (WinPIX 32) died,
basically making my software an orphan with no hope of future upgrades.

This got me thinking about the various APRS programs. Except for the open
source Linux-based Xaster, all the other APRS programs (DOSaprs, Win/MacAPRS,
APRS+SA, UI-View, and APRSpoint) are the intellectual property of individuals
who have kept the source code private.

Have the authors of any of these programs made provisions for the transfer of
the source code to some other individual or organization if they die or are
incapacitated??




---
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Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org
```

517. [aprssig] speaking of FT1500

From: "Bruce Tobias" <wb9woz@attbi.com>
Date: Tue, 29 Oct 2002 21:16:15 -0600
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-104919-2002.10.29-22.00.11--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

```
My FT1500 has low transmitted packet audio.  I tried 3 different KPC3's. All
sound the same.
has anyone else noticed this?
Bruce
wb9woz


---
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```

Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

---

518. [aprssig] Re: "Trusteeship" and Sucession of APRS Programs -- a question

From: "The Hildebrands" <b.hildebrand@verizon.net>
Date: Tue, 29 Oct 2002 19:24:40 -0800
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-104920-2002.10.29-22.09.31--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

```
APRS+SA is written in APL, specifically, APL+Win:  http://www.apl2000.com.    APL+Win is semi-compiled.
  APRS+SA is supplied uncompiled; the semi-compilation is performed at runtime. It is supplied
uncompiled to save space in the distribution files.   Once compiled, program functions run faster than
simple statement interpretation.  The "workspace" of APRS+SA is an APL "runtime" workspace.  However, I
supply APRS+SA as an "Open Runtime".  This means, the program will run on a runtime interpreter
(aprsplus.exe) or, on any APL+Win development system of the same version number as the runtime that I've
 targeted it for, specifically,  APL+Win v4.0.  A unique feature of this programming environment is that
 one can change most functions on the fly.  In fact, during development of APRS+SA, I usually have the
program running while it is being edited.  Edited code is applied immediately, and semi-compiled the
first time it is called.  No build is necessary.  But I digress.  In answer to your question, any
programmer with the APL+Win development environment, can load the APRS+SA runtime workspace, and edit
any function.

Brent Hildebrand, KH2Z

APRS+SA
http://www.tapr.org/~kh2z/aprsplus
ftp://ftp.tapr.org/aprssig/winstuff/aprsplus

[]




----- Original Message -----
From: <WA8LMF2@aol.com>
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Sent: Tuesday, October 29, 2002 6:56 PM
Subject: [aprssig] "Trusteeship" and Sucession of APRS Programs -- a question


> Recently the author of a shareware SSTV program I own (WinPIX 32) died,
> basically making my software an orphan with no hope of future upgrades.
>
> This got me thinking about the various APRS programs. Except for the open
> source Linux-based Xaster, all the other APRS programs (DOSaprs, Win/MacAPRS,
> APRS+SA, UI-View, and APRSpoint) are the intellectual property of individuals
> who have kept the source code private.
>
> Have the authors of any of these programs made provisions for the transfer of
> the source code to some other individual or organization if they die or are
> incapacitated??
>
>
>
>
> ---
> You are currently subscribed to aprssig as: b.hildebrand@verizon.net
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> Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org
>

---
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Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org
```

---

519. [aprssig] Re: speaking of FT1500

From: WA8LMF2@aol.com
Date: Tue, 29 Oct 2002 22:33:57 EST
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-104929-2002.10.29-22.17.13--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

```
In a message dated 10/29/2002 7:18:25 PM Pacific Standard Time,
wb9woz@attbi.com writes:

> My FT1500 has low transmitted packet audio.  I tried 3 different KPC3's. All
>  sound the same.
>  has anyone else noticed this?
>  Bruce
>  wb9woz

If you are going into the rear panel "packet" jack, you have to have a fairly
high level (200-300mV -- similar to home audio-video Line Level).  The
standard output level of the KPC3 is intended to go into mic jacks whose
typical sensitivity is more like 5-20mV.

If you have the pre-plus KPC3, a movable attenuator jumper inside the unit
selects either low or high-level TX audio output which is then fine adjusted
with a hardware pot.   The KPC3+ has a software-controllable attentuator that
can adjust the output from 1mV to 4 volts using the CAL or XMITLVL commands.

Stephen H. Smith                   wa8lmf @ aol.com
Home Page:                                        http://wa8lmf.com
Ham Radio/Mobile SSTV page:     http://members.aol.com/wa8lmf/ham
APRS Stuff
http://members.aol.com/wa8lmf/aprs
-----------------------------------------------------------------------------

----------
|    Radio Communications Systems       Personal Computers
|                Consulting and Systems Integration
|    GPS Custom Mapping    &     Radio Coverage Surveys
|    File Conversions       MS-Windows Setups       Networking
-----------------------------------------------------------------------------

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Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org
```

520. [aprssig] ATTN Brent KH2Z -- Am i collateral damage in the spam blocklist wars??

From: WA8LMF2@aol.com
Date: Tue, 29 Oct 2002 23:05:45 EST
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-104930-2002.10.29-22.49.02--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

```
Several times I have emailed you an updated icon set for APRSplus after the
mailing list discussion on this issue last summer.

I haven't heard anything back. Did you ever get the updated symbol set I
made?  It included new icons in positions for P53 (Colorbar TV symbol for
ATV/SSTV) and S44 (Kenwood Logo).


Did my mailing from this AOL address possibly fall victim to the IP
blocklists that are part of the anti-spam wars now raging between ISPs ?

Stephen H. Smith                   wa8lmf @ aol.com
Home Page:                                        http://wa8lmf.com
Ham Radio/Mobile SSTV page:     http://members.aol.com/wa8lmf/ham
APRS Stuff
http://members.aol.com/wa8lmf/aprs
-----------------------------------------------------------------------------

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|    Radio Communications Systems       Personal Computers
|                Consulting and Systems Integration
|    GPS Custom Mapping    &     Radio Coverage Surveys
|    File Conversions       MS-Windows Setups       Networking
-----------------------------------------------------------------------------

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Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org
```

521. [aprssig] Am I Collateral Damage ?

From: "Matthew Stennett" <wa4tkg@iwon.com>
Date: Tue, 29 Oct 2002 23:16:35 -0500 (EST)
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-104931-2002.10.29-22.59.55--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

I'm not sure of anyone else, BUT:
I REPEADEDLY receive garbage emailed virus attachments
of apx 130/150k SEVERAL TIMES A WEEK.
It appears to be from someone who has gotten addresses through the SIG (so it appears).
Anyone else getting this ----?
Most HAD CALLSIGNS attached to the message, usually in the SUBJECT line, but now they've gotten " wise ", and don't do it....hard to miss an email of over 130k in you server " In " box.

> Did my mailing from this AOL address possibly fall victim to the IP
> blocklists that are part of the anti-spam wars now raging between ISPs ?

____

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Win up to $25 Million on iWon - click here!

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---

522. [aprssig] Re: speaking of FT1500

From: "Don" <kyham@alltel.net>
Date: Wed, 30 Oct 2002 00:28:31 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-104938-2002.10.30-00.10.28--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

I had a similar problem with the TTII until I fed the audio directly into the mike connection. No problems after that.

Don K9SOA (EM77EX)
HF-2m-70cm-APRS
www.k9soa.net

Home of JEANNIE
The House That Listens
As seen on HGTV's Dream Builder Show
and the Featured Home of the Month
Home Automation magazine
March 2002 issue

----- Original Message -----
From: Bruce Tobias <wb9woz@attbi.com>
To: TAPR APRS Special Interest Group <aprssig@lists.tapr.org>
Sent: Tuesday, October 29, 2002 10:16 PM
Subject: [aprssig] speaking of FT1500

> My FT1500 has low transmitted packet audio. I tried 3 different KPC3's.
All
> sound the same.
> has anyone else noticed this?
> Bruce
> wb9woz
>
>
> ---
> You are currently subscribed to aprssig as: kyham@alltel.net
> To unsubscribe send a blank email to leave-aprssig-842K@lists.tapr.org
> Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org
>

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---

523. [aprssig] Re: Am I Collateral Damage ?

From: WA8LMF2@aol.com
Date: Wed, 30 Oct 2002 01:05:22 EST
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: aprssig@lists.tapr.org
Message-ID: <LYR842-104946-2002.10.30-00.48.44--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

In a message dated 10/29/2002 8:17:02 PM Pacific Standard Time, wa4tkg@iwon.com writes:

> I'm not sure of anyone else, BUT:
> I REPEADEDLY receive garbage emailed virus attachments
> of apx 130/150k SEVERAL TIMES A WEEK.
> It appears to be from someone who has gotten addresses through the SIG (so
> it appears).
> Anyone else getting this ----?
> Most HAD CALLSIGNS attached to the message, usually in the SUBJECT line,

What you are describing is the behavior of the Klez and BugBear worms.

Anyone who has ever posted on the list will have their address somewhere on the harddisk of nearly everyone else on the list. All it takes is for one member of the mailing list to get infected. These worms randomly harvest email addresses from anywhere on an infected machine (i.e the Recycle Bin, the deleted emails folder, strings of the form someone@somewhere.com in Word documents, etc as well as the infamous Outlook address book). They then send themselves out with these addresses either in the TO: field, forged in the FROM: field, or both.

Most users don't realize that the FROM: field of an email is completely untrustworthy (it is trivial to forge and proves nothing about where an email actually came from) and dont realize that they need to display the detailed routing headers to discover where an email REALLY came from. They start blaming all manner of innocent bystanders (whose only "offense" was having their message read by someone else!) for "sending them a virus".

[What I was referring to in my original post about "collateral damage" is something else entirely.
In the escalation of the anti-spam war, many ISPs are now simply blocking (refusing to receive) ALL email coming from sources (either by domain name or by IP address) that are known to be major spam sources. This is an effort to force the sending ISP to clean up their act and evict spamming tenants. Usually this is done by using "block lists" generated in near real time by people reporting "spam received". When the domain or IP address of a spam-friendly ISP winds up on such a list, increasingly innocent bystanders are finding their email getting blocked for a while also.

An example: Recently AOL started blocking ALL mail from Telia (a major Swedish Internet provider responsible for a large percentage of all Internet accounts in that country) because of the massive amount of spam forwarded through insecure mail servers at, and spamvertised websites hosted on, Telia. The resulting flood of complaints from other Telia users who suddenly found themselves cut off from 1/3 of U.S. email addresses forced the outfit to crack down on spamming, clean up insecure mail relays and kick numerous spammer websites off their servers.]

```
Stephen H. Smith                   wa8lmf @ aol.com
Home Page:                                        http://wa8lmf.com
Ham Radio/Mobile SSTV page:     http://members.aol.com/wa8lmf/ham
APRS Stuff
http://members.aol.com/wa8lmf/aprs
------------------------------------------------------------------------------

----------
|    Radio Communications Systems       Personal Computers
|                Consulting and Systems Integration
|    GPS Custom Mapping    &     Radio Coverage Surveys
|    File Conversions       MS-Windows Setups       Networking
------------------------------------------------------------------------------

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524. [aprssig] Re: speaking of FT1500

From: "Ronald Reams" <wa4mjf@worldnet.att.net>
Date: Wed, 30 Oct 2002 08:10:11 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-104957-2002.10.30-07.55.02--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

This may sound like a DUHHHH, but have you
adjusted the output of the KPC-3. There are two
output levels on the KPC-3 controlled by jumper and
a pot for fine adjustment for 3 kHz deviation.

73 de Ronnie

----- Original Message -----
From: "Bruce Tobias" <wb9woz@attbi.com>
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Sent: Tuesday, October 29, 2002 22:16
Subject: [aprssig] speaking of FT1500

My FT1500 has low transmitted packet audio. I tried 3 different KPC3's. All
sound the same.
has anyone else noticed this?
Bruce
wb9woz

You are currently subscribed to aprssig as: wa4mjf@worldnet.att.net
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---
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Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

525. [aprssig] Subject: speaking of FT1500

From: Randall Zabel <zabel@aps.anl.gov>
Date: Wed, 30 Oct 2002 08:44:15 -0600
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: wb9wozQ@aol.com
Message-ID: <LYR842-104963-2002.10.30-09.27.34--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Bruce
Check the radio setting to see if it's set in narrow or wide, I don't
know if the setting is for audio only or if it also changes the
deviation of the packet din output.
My guess, if affects both.
I the default setting is wide.
Randy

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526. [aprssig] Re: maps.aprsworld.net and GIS stuff (was Microsoft taking a stanglehold over Findu)

From: Steve Dimse <k4hg@tapr.org>
Date: Wed, 30 Oct 2002 10:16:00 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: TAPR APRS Special Interest Group <aprssig@lists.tapr.org>
Message-ID: <LYR842-104968-2002.10.30-09.59.19--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

On 10/28/02 at 1:39 PM jjeffers@aprsworld.net (James Jefferson) sent:

>> When I try this on stations in my area I get a response time of 3 to 5
>> seconds, any reason why it would take so lonf for South Florida? Do you
>> have any scales available between "regional" and "street"?

>
>Initial maps for a new area take a little bit longer to generate because the
>map data is probably not in cache and they have to be loaded across the LAN.
>You will find that looking at keys now it will load much faster.
>
>You can use the extent scale and specify your own extent using
>minx,miny,maxx,maxy. There is also a "town" scale which is probably what you
>are looking for. If you have any other scales you would like defined let me
>know and I'll add them.
>
I set up a modified version of the find cgi to use your maps with the three
available scales...they don't exactly match the ones used with the MapBlast
version, but they do allow a general comparison:

http://www.findu.com/cgi-bin/find-us.cgi?call=k4hg-8

If you want to explore different areas, a quick way is to do:

http://www.findu.com/cgi-bin/find-us.cgi?call=*

which shows the last few seconds of reports, and click on the callsigns...

Steve K4HG

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---

527. [aprssig] Re: Am I Collateral Damage ?

From: "Peter \"Dakota\" Summerhawk" <dakotas@dotorg.org>
Date: Wed, 30 Oct 2002 08:16:02 -0700
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-104969-2002.10.30-09.59.23--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

I have a copy of Spam Assassin if anyone wants it. Its freeware and you can
download it as well. It looks for tags and you can set it to delete the mail
form the server so you never receive it in the first place. It can be
configured in a number of ways to the regular mail on your lists goes
through.

Peter N0WRE
Cheyenne WY

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---

528. [aprssig] Re: Am I Collateral Damage ?

From: larry Also <larrytooalso@yahoo.com>
Date: Wed, 30 Oct 2002 07:56:57 -0800 (PST)
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-104971-2002.10.30-10.40.16--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

function SetDomain(d) { document.domain = d; }I frequently receive worms attached from people I know
from lists, but they are usually from people who have responded directly to me offlist and have placed
my address in their addressbooks. The worm does this behind their backs.

Larry

N3HLL

Do you Yahoo!?
HotJobs - Search new jobs daily now

---

529. [aprssig] Program Question

From: "Peter \"Dakota\" Summerhawk" <dakotas@dotorg.org>
Date: Wed, 30 Oct 2002 08:50:44 -0700
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>

Message-ID: <LYR842-104972-2002.10.30-10.40.37--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

How does WIN APRS pull data from the street atlas program? I am trying to find how as I am working on a way to maybe use the same process in the APRS CE program with pocket streets maps so the CE community can have street level mapping without having a full sized laptop. Any information that I can get will be great!

Thanks
Peter

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---

530. [aprssig] Re: Am I Collateral Damage ?

From: larry Also <larrytooalso@yahoo.com>
Date: Wed, 30 Oct 2002 08:00:51 -0800 (PST)
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-104973-2002.10.30-10.45.19--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

function SetDomain(d) { document.domain = d; }How about posting the URL for that download of the spam deleter you spoke of.

Do you Yahoo!?
HotJobs - Search new jobs daily now

---

531. [aprssig] Re: maps.aprsworld.net and GIS stuff (was Microsoft taking a stanglehold over Findu)

From: James Jefferson <jjeffers@aprsworld.net>
Date: Wed, 30 Oct 2002 10:38:33 -0600
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: aprssig@lists.tapr.org
Message-ID: <LYR842-104974-2002.10.30-11.21.36--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Hi Steve,

Looks fantastic! The API is not set in stone, so if you have any suggestions for improvements let me know.

I'm working now on getting 1:1M scale highways for the world. As we've discussed before, that is about the best data cheaply available with world-wide coverage. It will look okay for regional scale and larger scale maps, but will not look right at all for smaller scales.

-Jim KB0THN

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---

532. [aprssig] Re: "Trusteeship" and Sucession of APRS Programs -- a question

From: Bob Bruninga <bruninga@usna.edu>
Date: Wed, 30 Oct 2002 14:34:16 -0500 (EST)
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: TAPR APRS Special Interest Group <aprssig@lists.tapr.org>
Message-ID: <LYR842-104994-2002.10.30-14.17.39--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

On Tue, 29 Oct 2002 WA8LMF2@aol.com wrote:

> Have the authors of any of these programs made provisions for the transfer of
> the source code to some other individual or organization if they die or are
> incapacitated??

Yes, APRSdos source is in the safe deposit box with instructions.
Bob

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533. [aprssig] Ok....

From: "Ken Cechura" <kcechura@umr.edu>
Date: Wed, 30 Oct 2002 13:44:43 -0600
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-104998-2002.10.30-14.28.08--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Ok, I got my KPC3+ for the truck, now I need to configure it.... Anyone have any reccomended settings for one as a tracker? I THINK I would like to set it up as a relay at times, too.... (something else I'm playing with)

Thanks
Ken

Kenneth R. Cechura, KC9UMR
University of Missouri-Rolla
Department Of Electrical Engineering
President, 2002, W0EEE, UMR ARC
email: kcechura@umr.edu

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534. [aprssig] Re: "Trusteeship" and Sucession of APRS Programs -- a question

From: Steve Dimse <k4hg@tapr.org>
Date: Wed, 30 Oct 2002 15:11:43 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-104999-2002.10.30-14.54.59--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

On 10/29/02 at 9:56 PM WA8LMF2@aol.com sent:

>Have the authors of any of these programs made provisions for the transfer of
>the source code to some other individual or organization if they die or are
>incapacitated??
>

That was the point of having someone else set up the backup findU server. findU is different from the client programs, in that the process of maintaining the server is more important than the source code itself. If I had taken the collections and handled the new server myself, it would have been up months ago, but the process of installing all the pieces and getting it configured correctly is difficult to learn, and the designated party seems to be having free-time issues. He has had all the pieces needed to get the parser running and the database working for a month, but apparently has not had time to do this yet.

Steve K4HG

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535. [aprssig] RE: Ok....

From: "Bogdan, Rick" <rbogdan@ursinus.edu>
Date: Wed, 30 Oct 2002 15:32:43 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-105000-2002.10.30-15.16.35--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Use these settings from this site as a guide.

http://www.dididahdahdidit.com/

Rick ka1udx

-----Original Message-----
From: Ken Cechura [mailto:kcechura@umr.edu]

Sent: Wednesday, October 30, 2002 2:45 PM
To: TAPR APRS Special Interest Group
Subject: [aprssig] Ok....

Ok, I got my KPC3+ for the truck, now I need to configure it.... Anyone have any reccomended settings for one as a tracker? I THINK I would like to set it up as a relay at times, too.... (something else I'm playing with)

Thanks
Ken

Kenneth R. Cechura, KC9UMR
University of Missouri-Rolla
Department Of Electrical Engineering
President, 2002, W0EEE, UMR ARC
email: kcechura@umr.edu

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536. [aprssig] Re: Am I Collateral Damage ?

From: Joe Mayenschein <mayen1@mwt.net>
Date: Wed, 30 Oct 2002 15:22:56 -0600
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: TAPR APRS Special Interest Group <aprssig@lists.tapr.org>
Message-ID: <LYR842-105003-2002.10.30-16.11.10--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

what's even cooler,

Is "Mail Washer"

It will do the same thing as below, but with an added twist.

You can even send a "Bounce" back to them. It looks as if you address is no longer any good or no such user etc.

My E-Mail load has dropped from 200-300 a day, (100 spam) to only a few spam at all.

Joe

Peter \"Dakota\" Summerhawk wrote:

> I have a copy of Spam Assassin if anyone wants it. Its freeware and you can
> download it as well. It looks for tags and you can set it to delete the mail
> form the server so you never receive it in the first place. It can be
> configured in a number of ways to the regular mail on your lists goes
> through.
>
> Peter N0WRE
> Cheyenne WY
>
> ---
> You are currently subscribed to aprssig as: mayen1@mwt.net
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Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

537. [aprssig] Re: Ok....

From: Robbie <mwrobertson@attbi.com>
Date: Wed, 30 Oct 2002 13:56:20 -0600

To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: TAPR APRS Special Interest Group <aprssig@lists.tapr.org>
Message-ID: <LYR842-105006-2002.10.30-16.37.42--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

```
Hi Ken,

Jeff Breton has a very good page with what you may want to look
at, www.dididahdahdidit.com

Good luck,

Robbie,  wa9inf

Ken Cechura wrote:
>
> Ok, I got my KPC3+ for the truck, now I need to configure it....  Anyone
> have any reccomended settings for one as a tracker?  I THINK I would
> like to set it up as a relay at times, too.... (something else I'm
> playing with)
>
> Thanks
> Ken
>
>        Kenneth R. Cechura, KC9UMR
>       University of Missouri-Rolla
>   Department Of Electrical Engineering
>      President, 2002, W0EEE, UMR ARC
>          email: kcechura@umr.edu
>
>
> ---
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> To unsubscribe send a blank email to leave-aprssig-842K@lists.tapr.org
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Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org
```

---

538. [aprssig] Re: Am I Collateral Damage ?

From: psschwarz@kellnet.com
Date: Wed, 30 Oct 2002 22:05:42 GMT
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-105009-2002.10.30-16.56.50--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

```
Can this be configured to delete or bounce mail from a particular server or
just particular email addresses? example: all_mail@opti7.com or
a_particular_user@opti7.com

Patrick...KB8RTZ...

Joe Mayenschein writes:

> what's even cooler,
>
> Is "Mail Washer"
>
> It will do the same thing as below, but with an added twist.
>
> You can even send a "Bounce" back to them. It looks as if you address is no
> longer any good or no such user etc.
>
> My E-Mail load has dropped from 200-300 a day, (100 spam)  to only a few spam at
> all.
>
> Joe
>
> Peter \"Dakota\" Summerhawk wrote:
>
>> I have a copy of Spam Assassin if anyone wants it. Its freeware and you can
>> download it as well. It looks for tags and you can set it to delete the mail
>> form the server so you never receive it in the first place. It can be
>> configured in a number of ways to the regular mail on your lists goes
>> through.
>>
>> Peter N0WRE
>> Cheyenne WY
```

>>
>> ---
>> You are currently subscribed to aprssig as: mayen1@mwt.net
>> To unsubscribe send a blank email to leave-aprssig-842K@lists.tapr.org
>> Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org
>
>
> ---
> You are currently subscribed to aprssig as: psschwarz@kellnet.com
> To unsubscribe send a blank email to leave-aprssig-842K@lists.tapr.org
> Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org
>

You are currently subscribed to aprssig as: lyris.aprssig@tapr.org
To unsubscribe send a blank email to leave-aprssig-842K@lists.tapr.org
Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

539. [aprssig] SPAM control for your email

From: "Hershel Saylor" <saylor@ori.net>
Date: Wed, 30 Oct 2002 19:24:16 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-105018-2002.10.30-19.00.12--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

As a "Mail Washer" user, I would offer a suggestion.

You may want to check with your service provider
to see what kind of problems you may cause them.

The program lets you look at your mail while it is
still on the server and lets you decide which messages
to "Bounce" or "Delete".

The problem develops with the bounce of your
bounce. Since a lot of the SPAM does not have
a valid return address this will create a return
message from somewhere upstream. This return
message will be sent to your ISP since that is
what "Mail Washer" fakes as the sender of your
bounce.

One person at my ISP must manually delete all
these messages that us "bouncers" are causing.
So far they have been very nice once they
understood why there were so many bounces
with my address somewhere in the message!

I even had a message from a SPAMMER who
wanted to know why all their messages were
bouncing. Of course, I bounced that one too!

Hershel

www.mailwasher.com

>
> Is "Mail Washer"
>
> It will do the same thing as below, but with an added twist.
>
> You can even send a "Bounce" back to them. It looks as if you address is
no
> longer any good or no such user etc.

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Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

540. [aprssig] Fw: Re: SPAM control for your email

From: "Don" <kyham@alltel.net>
Date: Wed, 30 Oct 2002 22:23:22 -0500

To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-105026-2002.10.30-22.05.17--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

```
----- Original Message -----
From: Lyris <lyris@lists.tapr.org>
To: <kyham@alltel.net>
Sent: Wednesday, October 30, 2002 9:53 PM
Subject: Re: Re: [aprssig] SPAM control for your email


> Sorry, your message was not sent out to 'aprssig'.
> Your message quotes too many continuous lines of a previous message.
>
> You quoted 49 lines, and this mailing list is set to reject messages
> which quote more than 45 continuous lines of a previous message.
>
> Please resubmit your message, this time quoting fewer lines of the
previous message.
>
> ---
>
> Tried to go to mailwasher.com but got an under construction message.   Is
> the program available somewhere else?
>
>
> Don            K9SOA   (EM77EX)
> HF-2m-70cm-APRS
> www.k9soa.net
>
> Home of JEANNIE
> The House That Listens
> As seen on HGTV's Dream Builder Show
> and the Featured Home of the Month
> Home Automation magazine
> March 2002 issue
>
>
> ----- Original Message -----
> From: Hershel Saylor <saylor@ori.net>
> To: TAPR APRS Special Interest Group <aprssig@lists.tapr.org>
> Sent: Wednesday, October 30, 2002 7:24 PM
> Subject: [aprssig] SPAM control for your email
>
>
> > As a "Mail Washer" user, I would offer a suggestion.
> >
> > www.mailwasher.com



---
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Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org
```

541. [aprssig] Mailwasher...

From: blitz <blitz@macronet.net>
Date: Wed, 30 Oct 2002 22:31:39 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-105031-2002.10.31-00.00.04--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Ive used it for months, its great and free. After your blacklist gets
filled, you get a lot less Spams, RTFM and it works great. I'd give it an A+

http://www.mailwasher.net/

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To unsubscribe send a blank email to leave-aprssig-842K@lists.tapr.org
Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

542. [aprssig] OT: Re: SPAM control for your email

From: Bill Herrmann <bherrman@spro.net>
Date: Wed, 30 Oct 2002 22:23:06 -0700
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-105044-2002.10.31-00.51.46--lyris.aprssig#tapr.org@lists.tapr.org>

Rendered body type: text/plain

>You can even send a "Bounce" back to them. It looks as if you address is
>no longer any good or no such user etc.

I'm not really sure that this does much good. As Hershel points out many of the return addresses are no good anyway. Additionally, when I was a mail system admin I continued to get messages for at least a couple users that had left the company some time before. I know our server was sending bounce messages but spammers (a) don't get them, (b) ignore them, and (c) never clean up their lists. They happily sell and trade them amongst themselves and quality control isn't a big priority. The priority is number of addresses.

Personally, Mail Washer is working pretty well for me, but I've turned off the bounce messages everywhere I can.

I will mention that the checks of the realtime blacklist servers seemed a little flakey so I turned them off. I'd see 4-5 messages in a row from the same person to the same list and one would be tagged. It definitely found some real spam that way, but found some it shouldn't have too. (One of the nice things is that you can review what it's going to do before it does it.)

In fairness the built in identification filters are rarely wrong so it may be the realtime servers that are flakey.

In answer to another question that was posed... You can add individual users or wildcard expressions to either the blacklist or friend list. i.e. You could add *arrl.net to the friend list.

Bill

---
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Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

---

543. [aprssig] MailWasher; NO Go On A Mac

From: "Matthew Stennett" <wa4tkg@iwon.com>
Date: Thu, 31 Oct 2002 05:22:31 -0500 (EST)
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-105050-2002.10.31-05.05.56--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

▯▯▯ Which operating systems does MailWasher run on?

A.▯▯▯▯▯▯▯ Windows 95, 98, Me, NT, 2000, XP and XP Pro.

Yup; doesn't work on a Mac.

NEXT!

____
Can a Web portal forever change your life?
Win up to $25 Million on iWon - click here!

---
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---

544. [aprssig] RE: OT: Re: SPAM control for your email

From: "Bogdan, Rick" <rbogdan@ursinus.edu>
Date: Thu, 31 Oct 2002 09:00:30 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-105070-2002.10.31-08.44.22--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Just to add another twist to this thread....

Have another email address, like myname@yahoo.com or myname@hotmail.com. Use this email address for those situations you don't feel comfortable with leaving your primary email address, and let the spam build up there.

Rick ka1udx

-----Original Message-----

From: Bill Herrmann [mailto:bherrman@spro.net]
Sent: Thursday, October 31, 2002 12:23 AM
To: TAPR APRS Special Interest Group
Subject: [aprssig] OT: Re: SPAM control for your email

>You can even send a "Bounce" back to them. It looks as if you address
>is no longer any good or no such user etc.

I'm not really sure that this does much good. As Hershel points out many of the return addresses are no good anyway. Additionally, when I was a mail system admin I continued to get messages for at least a couple users that had left the company some time before. I know our server was sending bounce messages but spammers (a) don't get them, (b) ignore them, and (c) never clean up their lists. They happily sell and trade them amongst themselves and quality control isn't a big priority. The priority is number of addresses.

Personally, Mail Washer is working pretty well for me, but I've turned off the bounce messages everywhere I can.

I will mention that the checks of the realtime blacklist servers seemed a little flakey so I turned them off. I'd see 4-5 messages in a row from the same person to the same list and one would be tagged. It definitely found some real spam that way, but found some it shouldn't have too. (One of the nice things is that you can review what it's going to do before it does it.)

In fairness the built in identification filters are rarely wrong so it may be the realtime servers that are flakey.

In answer to another question that was posed... You can add individual users or wildcard expressions to either the blacklist or friend list. i.e. You could add *arrl.net to the friend list.

Bill

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---
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Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

---

545. [aprssig] APRS+ question

From: "Peter \"Dakota\" Summerhawk" <dakotas@dotorg.org>
Date: Thu, 31 Oct 2002 07:25:30 -0700
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-105071-2002.10.31-09.08.53--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

OK so I got my programs mixed up. How does APRS+ pull data from the microsoft side of things to have street level maps? I am sorry if this question has been answered as my mail server has been down for the past few days. If anyone has written me please resend them please.
Thanks
Peter N0WRE

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---

546. [aprssig] Re: APRS+ question

From: "Gregg G. Wonderly" <gregg@skymaster.cytetech.com>
Date: Thu, 31 Oct 2002 10:54:21 -0600
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: TAPR APRS Special Interest Group <aprssig@lists.tapr.org>
Message-ID: <LYR842-105076-2002.10.31-11.37.43--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

>OK so I got my programs mixed up. How does APRS+ pull data from the
>microsoft side of things to have street level maps? I am sorry if this

>question has been answered as my mail server has been down for the past few
>days. If anyone has written me please resend them please.
>Thanks
>Peter N0WRE

Brent will probably answer this more completely, but SA is run in a separate window, and APRS+ uses interprocess communications to talk to SA and feed it with the APRS data. Thus, it is not integrated as a single application.

-----
gregg@cytetech.com (Cyte Technologies Inc)

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---

547. [aprssig] Server Test; Ignore

From: "Matthew Stennett" <wa4tkg@iwon.com>
Date: Thu, 31 Oct 2002 20:21:20 -0500 (EST)
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-105125-2002.10.31-20.04.45--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Just checking, seems the list has been DEAD all day

____
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---

548. [aprssig] APRS/PCsat talk at Ga-Tech ATLANTA

From: Bob Bruninga <bruninga@usna.edu>
Date: Thu, 31 Oct 2002 21:20:32 -0500 (EST)
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: TAPR APRS SIG <aprssig@lists.tapr.org>
Message-ID: <LYR842-105169-2002.10.31-21.04.00--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

If anyone in Atlanta is interested on Monday night, 4 Nov, WB4APR will be giving a Talk/Demo at the Ga-Tech IEEE and Radio Club W4AQL on PCsat and APRS related topics.

The organizers say:

" Non-GT visitors are more than welcome at the IEEE/W4AQL event. I hope to see you there. And please invite your friends, if they might be interested. Turnouts are hard to predict, but the more the better. We should have a sufficiently large auditorium."

Dont ask me any other details, but for the 1911 EST pass we should all be in a EE Dept parking lot somewhere... I hope you can find out local details on the local repeaters, I will be at GA-Tech all day Monday hanging around waiting to see where the meeting will be..

I havent been to Ga Tech since I graduated in 1970, so I would hesitate to tell anyone how to find the radio club or EE building now 32 years later...

Good luck.
de WB4APR, Bob

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---

549. [aprssig] Incompatibility?

From: "Bud Talbot" <kb9wvg@arrl.net>
Date: Thu, 31 Oct 2002 20:23:37
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-105170-2002.10.31-21.07.42--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

```
My home station (KB9WVG) is running aprspoint and sending packets to RF.
These packets are received just fine by my D7 (KB9WVG-7) and by APRS IS.
However, my mobile station (KB9WVG-14, using pocketaprs and a kpc-3+) does
not display these packets. Any ideas? The pocketaprs station is working
just fine- has been for a year. Why would it not display these apparently
good packets?

---
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```

550. [aprssig] APRS and the PDP-11

From: Christopher McNabb <cmcnabb@vt.edu>
Date: 31 Oct 2002 21:35:53 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-105171-2002.10.31-21.19.07--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

```
Having recently acquired a 100% working PDP-11/24, I'm very interested
in using it as an APRS platform (yeah, I know its a sick idea.)  I've
download the APRS spec from TAPR and that all seems straight forward.
I'll be writing the program in BASIC-PLUS under RSTS/E and then
compiling it.  The question I have is what destination code would I
use?  Would APZ011 be appropriate until a more permanent one could be
assigned?  Or would it be better to just use something like PDP011?

73 de Chris, N2UX




---
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```

551. [aprssig] APRS/PCsat talk at Ga-Tech ATLANTA details

From: Bob Bruninga <bruninga@usna.edu>
Date: Thu, 31 Oct 2002 21:46:09 -0500 (EST)
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: amsat-bb@amsat.org
Message-ID: <LYR842-105175-2002.10.31-21.29.42--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

```
> If anyone in Atlanta is interested on Monday night, 4 Nov, WB4APR will be
> giving a Talk/Demo at the Ga-Tech IEEE and Radio Club W4AQL on PCsat and
> APRS related topics.

Here are more details:  The talk will be in the Architecture building and
talk in is on the Ga-Tech repeater 145.15 PL167.9.  Another repeater is
wide area 146.82 with PL 146.2.

Ga-Tech map.  Building is 75 or 76. Follow signs.

http://gtalumni.org/campusmap/bldngmodel.html?id=76&navview=0

> The organizers say:
>
> " Non-GT visitors are more than welcome at the IEEE/W4AQL event. I hope to
> see you there. And please invite your friends, if they might be
> interested. Turnouts are hard to predict, but the more the better. We
> should have a sufficiently large auditorium."


---
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```

552. [aprssig] Re: APRS and the PDP-11

From: "Mark Fellhauer" <sparkfel@qwest.net>
Date: Thu, 31 Oct 2002 21:33:49 -0600

To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-105184-2002.10.31-22.19.54--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

```
At 08:35 PM 10/31/02, Christopher McNabb wrote:

>Having recently acquired a 100% working PDP-11/24, I'm very interested
>in using it as an APRS platform (yeah, I know its a sick idea.)


Yes, it is a sick idea...   Heathkit made a PDP-11-- the H11.    ;)

Mark
KC7BXS





---
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Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org
```

553. [aprssig] Re: APRS and the PDP-11

From: WA8LMF2@aol.com
Date: Thu, 31 Oct 2002 22:38:45 EST
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: cmcnabb@vt.edu
Message-ID: <LYR842-105185-2002.10.31-22.22.11--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

```
In a message dated 10/31/2002 6:38:08 PM Pacific Standard Time,
cmcnabb@vt.edu writes:

> The question I have is what destination code would I
>  use?  Would APZ011 be appropriate until a more permanent one could be
>  assigned?  Or would it be better to just use something like PDP011?

Many APRS applications will completely ignore packets if the first two
letters of the destination are not "AP".

[ The original intent during APRS infancy a decade ago was to allow APRS to
coexist with classic connected packet on the same channel.   APRS apps would
ignore all but packets addressed to "APxxxx" and classic packet apps could be
set to REJECT anything with "APxxxx".  ]

BTW, are you going to draw maps using ASCII "teletype art" on the PDP?.....


Stephen H. Smith                   wa8lmf @ aol.com
Home Page:                                        http://wa8lmf.com
Ham Radio/Mobile SSTV page:     http://members.aol.com/wa8lmf/ham
APRS Stuff
http://members.aol.com/wa8lmf/aprs
------------------------------------------------------------------------------

----------
|    Radio Communications Systems       Personal Computers
|                Consulting and Systems Integration
|    GPS Custom Mapping    &     Radio Coverage Surveys
|    File Conversions       MS-Windows Setups       Networking
------------------------------------------------------------------------------

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```

554. [aprssig] Re: APRS and the PDP-11 9 2nd Thought

From: WA8LMF2@aol.com
Date: Thu, 31 Oct 2002 22:40:25 EST
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: aprssig@lists.tapr.org
Message-ID: <LYR842-105187-2002.10.31-22.23.48--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

```
In a message dated 10/31/2002 6:38:08 PM Pacific Standard Time,
cmcnabb@vt.edu writes:

> Would APZ011 be appropriate until a more permanent one could be
>  assigned?  Or would it be better to just use something like PDP011?

How about "APDP11"  It would be a "legal" APRS path and get the computer
model number in...

Stephen H. Smith                   wa8lmf @ aol.com
Home Page:                                        http://wa8lmf.com
Ham Radio/Mobile SSTV page:     http://members.aol.com/wa8lmf/ham
APRS Stuff
http://members.aol.com/wa8lmf/aprs
------------------------------------------------------------------------------

----------
|    Radio Communications Systems       Personal Computers
|                Consulting and Systems Integration
|    GPS Custom Mapping    &     Radio Coverage Surveys
|    File Conversions       MS-Windows Setups       Networking
------------------------------------------------------------------------------

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```

November 2002

Original source file: aprssig.0211
Source: http://ftp.tapr.org/tapr_history/SIG_Archives/aprssig/mail_archive/aprssig.0211

1. [aprssig] $99 Radio Shack GPS engine

```
From: "Mark Fellhauer" <sparkfel@qwest.net>
Date: Fri, 01 Nov 2002 02:16:16 -0600
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-105202-2002.11.01-03.03.31--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain
```

```
I just ran across this:

Products 20-1601 and 20-1602

http://www.radioshack.com/product.asp?catalog_name=CTLG&category_name=CTLG_001_003_000_000&product_id=20
-1601

http://www.radioshack.com/product.asp?catalog_name=CTLG&category_name=CTLG_001_003_000_000&product_id=20
-1602


http://support.radioshack.com/support_computer/doc69/69477.pdf


 From what I can gather it does output standard NMEA (4800, 8, N, 1).   Wahoo!


73,

Mark
KC7BXS
```

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---

2. [aprssig] Radio Shack $99 GPS autopsy photos

```
From: "Mark Fellhauer" <sparkfel@qwest.net>
Date: Fri, 01 Nov 2002 02:30:03 -0600
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-105203-2002.11.01-03.17.14--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain
```

```
Shamelessly borrowed from GPS passion  (go there for a small revue):

http://www.gpspassion.com/Hardware/Reviews/pics/PICT0011.jpg

http://www.gpspassion.com/Hardware/Reviews/pics/PICT0010.jpg

http://www.gpspassion.com/Hardware/Reviews/pics/PICT0012.jpg

http://www.gpspassion.com/Hardware/Reviews/pics/PICT0013.jpg


Notice the big Valence Logo.   At first when I read 16 channel parallel
receiver I though it was a typo, but checking the manufacturer's web site I
see this:

http://www.valencesemi.com/products_product.asp?id=127



73,

Mark
KC7BXS
```

```
---
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Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org
```

3. [aprssig] Stolen vehicle! Be on the lookout...

From: Jim Duncan <jdbandman@earthlink.net>
Date: Fri, 01 Nov 2002 06:46:47 -0600
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-105213-2002.11.01-07.30.52--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

```
Stolen from KU0G between 2200 CST 10/31 and 0600 11/01...

1999 Jeep Grand Cherokee Lariat
Charcoal gray (near black) with grey accent/kick panels.

The Jeep contains a D-700 and GPS which will track the vehicle IF the
radio is turned on.  Please report any sightings on APRS to either
myself or directly to the Warrensburg, MO Police Dept., attenion CPL
Belk, at 660-747-5511.  Also alert your local police department if the
vehicle is found to be in your area.

If at all possible, keep all tracks on the vehicle when/if spotted on
APRS for potential evidence in prosecution.

Thanks, folks....NOT a happy day here....
--
Jim Duncan, KU0G

---
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```

4. [aprssig] Disregard Stolen Vehicle alert.

From: Jim Duncan <jdbandman@earthlink.net>
Date: Fri, 01 Nov 2002 06:51:18 -0600
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-105220-2002.11.01-07.35.31--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

```
The Jeep has been found!  Ya, that's quick.... We've got good cops here!

Please disregard my previous post!
--
73 de Jim, KU0G

---
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```

5. [aprssig] Re: Stolen vehicle! Be on the lookout...

From: <owens@nysernet.org>
Date: Fri, 1 Nov 2002 07:50:53 -0500 (EST)
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: TAPR APRS Special Interest Group <aprssig@lists.tapr.org>
Message-ID: <LYR842-105221-2002.11.01-07.40.11--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

```
On Fri, 1 Nov 2002, Jim Duncan wrote:
> Stolen from KU0G between 2200 CST 10/31 and 0600 11/01...
>
> 1999 Jeep Grand Cherokee Lariat
> Charcoal gray (near black) with grey accent/kick panels.

Jim,
        What's the license plate number?

Bill N2RKL


---
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```

6. [aprssig] Re: Stolen vehicle! Be on the lookout...

From: "AE5PL Lists" <HamLists@ametx.com>
Date: Fri, 1 Nov 2002 07:07:42 -0600
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-105225-2002.11.01-07.51.13--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

```
Also, what is the SSID?  Is this the vehicle:
http://www.findu.com/cgi-bin/find.cgi?KU0G-14

If this is the vehicle, you can also do
http://www.aprs-is.net/jfindu/track.asp?call=KU0G-14&start=24&end=0
to see a live track starting 24 hours ago.

Good luck with your search.

73,

Pete Loveall AE5PL
pete@ae5pl.net

> -----Original Message-----
> From: owens@nysernet.org [mailto:owens@nysernet.org]
> Posted At: Friday, November 01, 2002 6:58 AM
> Subject: [aprssig] Re: Stolen vehicle! Be on the lookout...
>
> On Fri, 1 Nov 2002, Jim Duncan wrote:
> > Stolen from KU0G between 2200 CST 10/31 and 0600 11/01...
> >
> > 1999 Jeep Grand Cherokee Lariat
> > Charcoal gray (near black) with grey accent/kick panels.
>
> Jim,
>       What's the license plate number?

---
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```

---

7. [aprssig] Re: APRS and the PDP-11

From: Bob Bruninga <bruninga@usna.edu>
Date: Fri, 1 Nov 2002 08:55:54 -0500 (EST)
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: TAPR APRS Special Interest Group <aprssig@lists.tapr.org>,
        <cmcnabb@vt.edu>
Message-ID: <LYR842-105228-2002.11.01-08.39.17--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

```
On Thu, 31 Oct 2002 WA8LMF2@aol.com wrote:

> Many APRS applications will completely ignore packets if the first two
> letters of the destination are not "AP".
>
> [ The original intent during APRS infancy a decade ago was to allow APRS to
> coexist with classic connected packet on the same channel.   APRS apps would
> ignore all but packets addressed to "APxxxx" and classic packet apps could be
> set to REJECT anything with "APxxxx".  ]

And another advantage is that people can operate "private" nets on 144.39
using different "altnet" names that begin with something other than AP.
Say one group wants to track a boyscout event withdozens and dozens of
moving objects all over the map.  They could choose SCOUTS as the TOCALL,
and then evey other application on ferequncy would ignore their operation
and not clutter everyone else's maps.

So it was not necessarily to ignore other non-APRS packets, but to allow
for the operation of "subnets" which I call "altnets" on the same
frequency without messing up each others maps.  But some other authors
ignored this and so they capture, display and print everything leading to
map clutter...

Bob



---
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```

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8. [aprssig] Re: APRS and the PDP-11

From: "Curt Mills, WE7U" <hacker@tc.fluke.com>
Date: Fri, 1 Nov 2002 09:48:29 -0800 (PST)
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: TAPR APRS Special Interest Group <aprssig@lists.tapr.org>,
<cmcnabb@vt.edu>
Message-ID: <LYR842-105245-2002.11.01-12.33.45--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

On Fri, 1 Nov 2002, Bob Bruninga wrote:

> So it was not necessarily to ignore other non-APRS packets, but to allow
> for the operation of "subnets" which I call "altnets" on the same
> frequency without messing up each others maps. But some other authors
> ignored this and so they capture, display and print everything leading to
> map clutter...

I use the altnet feature to find out how many people are running
a particular version of Xastir on the air. Rather useful.

--
Curt Mills, WE7U   hacker_NO_SPAM_@tc.fluke.com
Senior Methods Engineer/SysAdmin
"Lotto: A tax on people who are bad at math!"
"Windows: Microsoft's tax on computer illiterates!" -- WE7U
"The world DOES revolve around me: I picked the coordinate system!"

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Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

9. [aprssig] Re: APRS and the PDP-11

From: Bob Bruninga <bruninga@usna.edu>
Date: Fri, 1 Nov 2002 13:03:51 -0500 (EST)
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: TAPR APRS Special Interest Group <aprssig@lists.tapr.org>
Message-ID: <LYR842-105246-2002.11.01-12.47.30--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

On Fri, 1 Nov 2002, Curt Mills, WE7U wrote:

> I use the altnet feature to find out how many people are running
> a particular version of Xastir on the air. Rather useful.

Actually, if I could clarify the nomenclature, let me offer this:

The AX.25 TOCALL for APRS consists of at least two fucntions.

AP**** is the Main APRS network address callsign that is used
to indicate it is a general purpose APRS packet intended
for everyone. Since the **** were available, we decided
to let them be used as a place to put in the software
version number for convenience...

So Its kind of a "stretch" to call the AP**** an "alternate net", since
of course, it is the MAIN net...:-)

So my narrow use of the term "altnet" is meant to cover any OTHER AX.25
TO-CALL that does not begin with AP... (and the other obvious ones like
BEACON, CQ, QST, ALL and the few others listed in the spec)...

Any such packet addresed to XYZNET for example, should only be displayed
by only other stations set to the SAME ALTNET of XYZNET. Now of course,
any program may give the viewer the ability to monitor any and all other
altnets, but my desire was for all software to monitor only the designated
APRS altents and to by default filter out the other ALTNETS unless teh
operator took the effort to deactivate the ALTNET filter.

What I didnt want was for all APRS softare to be given to all new users
with all filters OFF. This defeats the purpose of the altnets so that
someone who needs to p ut little X's all over his map for his own local
purpose doesnt then clutter everyone elses map on the air...

But if an end user wants to have his map cluttered by anyone all the time,
that is his choice, but it should not be the default...

Hope that helps explain the intents of ALTNETS...

Bob

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10. [aprssig] Re: APRS and the PDP-11

From: Steve Dimse <k4hg@tapr.org>
Date: Fri, 1 Nov 2002 13:14:00 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: TAPR APRS Special Interest Group <aprssig@lists.tapr.org>,
  TAPR APRS Special Interest Group <aprssig@lists.tapr.org>
Message-ID: <LYR842-105247-2002.11.01-12.57.22--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

On 11/1/02 at 1:03 PM bruninga@usna.edu (Bob Bruninga) sent:

>So my narrow use of the term "altnet" is meant to cover any OTHER AX.25
>TO-CALL that does not begin with AP... (and the other obvious ones like
>BEACON, CQ, QST, ALL and the few others listed in the spec)...
>
Just to make things even worse, the "default" altnet must also include grid
squares and Mic-E position reports in the TO field. Sorting these out adds even
more complexity to the parsing...

Steve K4HG

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11. [aprssig] Re: APRS and the PDP-11

From: "Curt Mills, WE7U" <hacker@tc.fluke.com>
Date: Fri, 1 Nov 2002 10:16:43 -0800 (PST)
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: TAPR APRS Special Interest Group <aprssig@lists.tapr.org>
Message-ID: <LYR842-105249-2002.11.01-13.01.57--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

On Fri, 1 Nov 2002, Bob Bruninga wrote:

> What I didnt want was for all APRS softare to be given to all new users
> with all filters OFF. This defeats the purpose of the altnets so that
> someone who needs to p ut little X's all over his map for his own local
> purpose doesnt then clutter everyone elses map on the air...
>
> But if an end user wants to have his map cluttered by anyone all the time,
> that is his choice, but it should not be the default...
>
> Hope that helps explain the intents of ALTNETS...

We interpreted it somewhat differently. There is no filtering
unless the user chooses to do so. Once the Altnet button is toggled
and something is entered into the box, only those stations running
the same altnet will be seen.

This makes is so that the general populace could see what was going
on with the altnet. For the people running the altnet, they would
only see each other's packets, which would make their map nice and
tidy for whatever event they're working on.

If a member of the general ham public wanted to watch only the
event, they could put in the same altnet and (perhaps) turn off
transmit so as not to interfere with the event.

--
Curt Mills, WE7U   hacker_NO_SPAM_@tc.fluke.com
Senior Methods Engineer/SysAdmin
"Lotto: A tax on people who are bad at math!"
"Windows: Microsoft's tax on computer illiterates!" -- WE7U

```
"The world DOES revolve around me:  I picked the coordinate system!"


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12. [aprssig] Re: APRS and the PDP-11

```
From: Bob Bruninga <bruninga@usna.edu>
Date: Fri, 1 Nov 2002 13:51:43 -0500 (EST)
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: TAPR APRS Special Interest Group <aprssig@lists.tapr.org>,
       TAPR APRS Special Interest Group <aprssig@lists.tapr.org>
Message-ID: <LYR842-105250-2002.11.01-13.35.16--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain
```

```
On Fri, 1 Nov 2002, Steve Dimse wrote:

> Just to make things even worse, the "default" altnet must also include grid
> squares and Mic-E position reports in the TO field. Sorting these out adds even
> more complexity to the parsing...

As well as looking for the ICON type when it is the GPSxyz construct...

Bob



---
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```

13. [aprssig] Re: APRS and the PDP-11

```
From: Bob Bruninga <bruninga@usna.edu>
Date: Fri, 1 Nov 2002 14:04:17 -0500 (EST)
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: TAPR APRS Special Interest Group <aprssig@lists.tapr.org>
Message-ID: <LYR842-105257-2002.11.01-13.47.42--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain
```

```
On Fri, 1 Nov 2002, Curt Mills, WE7U wrote:

> > What I didnt want was for all APRS softare to be given to all new users
> > with all filters OFF.
>
> We interpreted it somewhat differently [in xastir].  There is no
> filtering unless the user chooses to do so.

Ah...bummer no place to hide....:-(  There was a good reason for designing
it the way I did, with ALTNET filtering defaulted to ON, and asking other
authors to honor that..

1) In general, ALTNETS are very rarely if ever used, so having the ALTNET
filter defaulted ON as originally intended will still let users see
99.999% of what is on the air, yet let ALTNETS serve their original
putpose.

2) What I dont like about the ALTNET filter defaulting to OFF to display
of EVREYTHING is that when I start testing things and new software or
whatever (by using an altnet like "TEST"...) in my local area, I get
complaints from people that say I am cluttering up their maps and they
dont appreaciate it.

Then I have to take my time to explain to everyone how to set up APRS the
way it was designed (that you dont see junk unless it is inteneded for ALL
of APRS to see...).  I dont have time to explain this to every 20,000
operators every time I go on the air to test something locally that was
not intended for anyone to be bothered with...

The APRS filters should be in place by default.  The user can select to
disable them if he likes, but that should be a conscious choice, not
something enabled on every neophyte user that downloads an APRS program.
If authors are delivering software that displays all altenets, then APRS
does not have the intended filters in place for fullfilling the intentinos
of the sender...

we have to spend hours and hours explaining all this every time to every
```

new user... After 10 years, I'm getting tired of doing that...

 de WB4APR@amsat.org, Bob

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---

14. [aprssig] Re: [Bob Bruninga] APRS/PCsat talk at Ga-Tech ATLANTA details

From: "Gregg G. Wonderly" <gregg@skymaster.cytetech.com>
Date: Fri, 01 Nov 2002 16:27:05 -0600
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: TAPR APRS Special Interest Group <aprssig@lists.tapr.org>,
       amsat-bb@amsat.org
Message-ID: <LYR842-105264-2002.11.01-17.10.28--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

>Here are more details: The talk will be in the Architecture building and
>talk in is on the Ga-Tech repeater 145.15 PL167.9. Another repeater is
>wide area 146.82 with PL 146.2.

These days, all of these things should be put onto an echolink conference so
that everyone, worldwide can hear and participate if you are wanting to take
questions.

-----
gregg@cytetech.com (Cyte Technologies Inc)

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---

15. [aprssig] Re: Radio Shack $99 GPS autopsy photos

From: Gregg Martell <gmartell@pobox.com>
Date: Fri, 01 Nov 2002 21:32:01 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-105281-2002.11.01-21.13.19--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

It looks like you can put a TTII in the battery compartment. I guess a
trip to Radio Shack this weekend is in order.

gregg
kb4gmv

At 02:30 AM 11/1/02 -0600, Mark Fellhauer wrote:

>Shamelessly borrowed from GPS passion (go there for a small revue):
>
>http://www.gpspassion.com/Hardware/Reviews/pics/PICT0011.jpg
>
>http://www.gpspassion.com/Hardware/Reviews/pics/PICT0010.jpg
>
>http://www.gpspassion.com/Hardware/Reviews/pics/PICT0012.jpg
>
>http://www.gpspassion.com/Hardware/Reviews/pics/PICT0013.jpg
>
>
>Notice the big Valence Logo.   At first when I read 16 channel parallel
>receiver I though it was a typo, but checking the manufacturer's web site
>I see this:
>
>http://www.valencesemi.com/products_product.asp?id=127
>
>
>
>73,
>
>Mark
>KC7BXS
>
>
>

```
>---
>You are currently subscribed to aprssig as: gmartell@pobox.com
>To unsubscribe send a blank email to leave-aprssig-842K@lists.tapr.org
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>
```

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Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

16. [aprssig] RE: Radio Shack $99 GPS autopsy photos

From: "Mark Fellhauer" <sparkfel@qwest.net>
Date: Fri, 01 Nov 2002 20:36:58 -0600
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-105282-2002.11.01-21.26.23--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

At 08:32 PM 11/1/02, Gregg Martell wrote:

>It looks like you can put a TTII in the battery compartment. I guess a
>trip to Radio Shack this weekend is in order.

I'm not sure, but further reading lends me to believe that the DigiTraveler may require an initialization string to start receiving. It probably isn't a big deal and can probably be handled in a manner similar to the TripMate.

We need someone to get one and give the SIG a detailed report.

73,

Mark
KC7BXS

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Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

17. [aprssig] GPS by television?

From: "Mark Fellhauer" <sparkfel@qwest.net>
Date: Fri, 01 Nov 2002 20:39:54 -0600
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-105283-2002.11.01-21.29.31--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

http://www.rosum.com/index.html

Mark
KC7BXS

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To unsubscribe send a blank email to leave-aprssig-842K@lists.tapr.org
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18. [aprssig] Doppler placement?

From: "Peter \"Dakota\" Summerhawk" <dakotas@dotorg.org>
Date: Fri, 1 Nov 2002 22:21:04 -0700
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-105298-2002.11.02-00.04.38--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Evening all,
I am wanting to get some information from someone that has a Doppler in use right now. I have the following setup as of right now. I have a laptop run into a D7 via serial cable. The laptop gets its GPS data from GPS PC card in the side. My question is where do I put the Doppler so I can get a reading and still send my position? The Doppler does have a serial port to be able to hook into for data readout. I know that you can't transmit into the Doppler or you fry it. Is the Doppler daisy chained somewhere into all of this? I only have one serial on the back of my laptop to be able to connect

to for data. I have tried to have the GPS run into the D7 but the map
program I am running will not read it, hence the PC card GPS. That way I can
run streets and trips and aprs at the same time and still have street level
mapping. Can someone give some input into where the Doppler fits in to all
of this?
Thanks
Peter "Dakota" Summerhawk
N0WRE

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---

19. [aprssig] Paper copies of the APRS spec?

From: "Darryl Smith" <Darryl@radio-active.net.au>
Date: Sat, 2 Nov 2002 16:36:57 +1100
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-105305-2002.11.02-00.21.11--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

People

I am wondering if there is a need to publish the APRSspec onto paper? I
know it is available online, and that it is subject to change.

However it seems to be fairly stable, and is the sort of thing that I
refer to all the time. Or I would if I had a paper copy for the shack.

Would people buy a copy if it were made available? Feel free to email me
directly and I will summarise the responses.

Thanks

Darryl

Darryl Smith, VK2TDS   POBox 169 Ingleburn NSW 2565 Australia
Mobile Number 0412 929 634 [+61 4 12 929 634 International]
Darryl@radio-active.net.au | www.radio-active.net.au

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---

20. [aprssig] Re: Doppler placement?

From: "Mark Fellhauer" <sparkfel@qwest.net>
Date: Sat, 02 Nov 2002 02:28:50 -0600
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-105309-2002.11.02-03.24.53--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

At 11:21 PM 11/1/02, Peter \"Dakota\" Summerhawk wrote:

> My question is where do I put the Doppler so I can get a reading
>and still send my position?

Use a separate receiver for the doppler unit. An inexpensive scanner is
probably good enough.   You might want to put some kind of RX inhibit
circuit on the doppler's receiver to protect it from nearby transmitter
overload.

You are probably going to need a second serial port to make this
work. Depending on the laptop, you can get a USB to serial adapter or a
PCMCIA to serial adapter.

No one said fox hunting is cheap. ;)

73,

Mark
KC7BXS

```
---
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```

21. [aprssig] ALTNET Discussion

```
From: "Curt Mills, WE7U" <archer@eskimo.com>
Date: Sat, 2 Nov 2002 02:53:04 -0800 (PST)
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: TAPR APRS Special Interest Group <aprssig@lists.tapr.org>
Message-ID: <LYR842-105314-2002.11.02-05.21.50--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain
```

```
On Fri, 1 Nov 2002, Bob Bruninga wrote:

> On Fri, 1 Nov 2002, Curt Mills, WE7U wrote:
>
> > > What I didnt want was for all APRS softare to be given to all new users
> > > with all filters OFF.
> >
> > We interpreted it somewhat differently [in xastir].  There is no
> > filtering unless the user chooses to do so.

Looking at the spec on this particular subject, there's not a lot of
room for interpretation, is there?  ;-)

I don't think I've visited this particular issue before since I've
been involved in the Xastir project.  Our current implementation of
ALTNET has been in there for quite a while.

If we were to change to be perfectly spec-compliant on this point
(which I still don't personally like, but that might be beside the
point), is the list of valid TO calls/other types in the spec plus
those just expounded here on the list a _complete_ list?

I think I'd be tempted to dump to STDOUT any packets that would be
filtered out at first, just to make sure that we don't miss anything
that's been added/changed since the spec was written.  Implementing
this properly and completely seems error-prone at best.

I'd also rather implement this on the display end rather than
filtering them out at the packet level.  By default they wouldn't be
displayed, but hitting a togglebutton would instantly show all that
had been received.  This togglebutton would allow operation as we
have now in Xastir.  It sounds like you're not against that, but
would like it to default to "filtering" out of the box.


> Ah...bummer no place to hide....:-(  There was a good reason for designing
> it the way I did, with ALTNET filtering defaulted to ON, and asking other
> authors to honor that..

>From the open-source perspective:  More is better, less packet
filtering (less restrictive) is better.  If maps are cluttered,
implement better display filtering, but keep all of the packets that
we know how to decode.  That's what our philosophy has been up to
this point.


> 1) In general, ALTNETS are very rarely if ever used, so having the ALTNET
> filter defaulted ON as originally intended will still let users see
> 99.999% of what is on the air, yet let ALTNETS serve their original
> putpose.

Yea, but just _knowing_ that there might be other packets out there
means that I need to see them.  ;-)


> 2) What I dont like about the ALTNET filter defaulting to OFF to display
> of EVREYTHING is that when I start testing things and new software or
> whatever (by using an altnet like "TEST"...) in my local area, I get
> complaints from people that say I am cluttering up their maps and they
> dont appreaciate it.

We got that with the "sea of blue" comments.  The firenet guys went
off the main feed for their objects due to this, which is a real
shame.  The fix for Xastir was to implement a new scheme for display
filtering, so that we can turn on/off the display of many different
```

types of things. I think that was a better solution than just making
those object packets go away. That's probably why I'm still hooked
in to the firenet system. 10,000+ stations & objects isn't a problem
for us. We see what we choose to see at the time.

There are also still ways of putting things out there that many APRS
programs won't see. Items and/or Compressed Items are one of them.
Perhaps another method would be to define one of the symbol slots as
"unviewable". This way all of the software would refuse to show it
unless a special togglebutton were flipped. Would that perhaps be
a more useful method for testing new packets/methods?

I _REALLY_ like the ALTNET as Xastir has currently implemented it,
but then again I don't zoom in regularly on Annapolis area to see
what you're doing over there.

> Then I have to take my time to explain to everyone how to set up APRS the
> way it was designed (that you dont see junk unless it is inteneded for ALL
> of APRS to see...). I dont have time to explain this to every 20,000
> operators every time I go on the air to test something locally that was
> not intended for anyone to be bothered with...

I would think that the instances where this is a problem would be in
the small numbers.

> The APRS filters should be in place by default. The user can select to
> disable them if he likes, but that should be a conscious choice, not
> something enabled on every neophyte user that downloads an APRS program.
> If authors are delivering software that displays all altenets, then APRS
> does not have the intended filters in place for fullfilling the intentinos
> of the sender...

Getting back to the public service event scenario: What about the
case where people running an event would like to knock out all other
packets that are not connected with the event, but still allow the
event to be seen by the general public? In most cases like this, the
wider the reception of these packets the better. I would think this
sort of operation would be more common than the testing scenario that
you're describing, right?

I can think of opposite argument cases too though: SAR missions,
where we'd like to be able to use the APRS infrastructure to get
packets flung around, but we'd perhaps NOT like the general public
to see every detail of what we're doing. For this case we might
have to bite the bullet anyway and switch to another frequency,
putting up our own temporary digi's if necessary for the mission.
That's the only SURE way of making sure we're somewhat unseen.

> we have to spend hours and hours explaining all this every time to every
> new user... After 10 years, I'm getting tired of doing that...

And every new coder? hi hi Perhaps the Xastir project isn't
considered new or up-and-coming anymore. We have a rather complete
package now. I'm sure there are some things that Bob would have done
differently, but we're not Bob. There are things in the spec that
we haven't done yet, but that's true of most packages that weren't
around from the APRS epoch.

I also doubt that many Xastir users have been filling your inbox with
requests for info on your experiments. They're job is to annoy me
and the other developers first!   ;-)   ;-)   ;-)   (How do you do
a big wink in ASCII?)

Curt, WE7U.   archer@eskimo.com
http://www.eskimo.com/~archer
  Lotto: A tax on people who are bad at math. - unknown
Windows: Microsoft's tax on computer illiterates. - WE7U.

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22. [aprssig] Re: Paper copies of the APRS spec?

```
From: WA8LMF2@aol.com
Date: Sat, 2 Nov 2002 06:03:20 EST
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: aprssig@lists.tapr.org
Message-ID: <LYR842-105315-2002.11.02-05.46.52--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain
```

```
In a message dated 11/1/02 9:42:24 PM Pacific Standard Time,
Darryl@radio-active.net.au writes:

> Would people buy a copy if it were made available? Feel free to email me
>  directly and I will summarise the responses.
>

Why would one buy it when you can produce a flawlessly formatted and typeset
printed version from the Acrobat PDF version located at:
   ftp://ftp.tapr.org/aprssig/aprsspec/spec/aprs101/APRS101.pdf

Stephen H. Smith                   wa8lmf @ aol.com
Home Page:                                         http://wa8lmf.com
Ham Radio/Mobile SSTV page:     http://members.aol.com/wa8lmf/ham
APRS Stuff
http://members.aol.com/wa8lmf/aprs
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```

23. [aprssig] Re: ALTNET Discussion <LYR30523-105314-2002.11.02-05.21.50--kb2scs#optonline.net@lists.tapr.org>

```
From: kb2scs@optonline.net
Date: Sat, 02 Nov 2002 09:30:21 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-105325-2002.11.02-09.16.31--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain
```

```
Hi All

On 2 Nov 2002 at 2:53, Curt Mills, WE7U wrote:
SNIP
> Getting back to the public service event scenario:  What about the
> case where people running an event would like to knock out all other
> packets that are not connected with the event, but still allow the
> event to be seen by the general public?  In most cases like this, the
> wider the reception of these packets the better.  I would think this
> sort of operation would be more common than the testing scenario that
> you're describing, right?
>
"Altnet" as described in the APRS Spec covers the above with the use
of the SPC"*" To call.
Stations using the To call of SPC"*" will see all the packets of the other
stations using the to call of SPC"*". These stations will not see any packets
from any APRS station that is not part of the
SPeCial event.
All other regular APRS stations will see the packets from these
SPeCial event APRS stations.

> I can think of opposite argument cases too though:  SAR missions,
> where we'd like to be able to use the APRS infrastructure to get
> packets flung around, but we'd perhaps NOT like the general public
> to see every detail of what we're doing.  For this case we might
> have to bite the bullet anyway and switch to another frequency,
> putting up our own temporary digi's if necessary for the mission.
> That's the only SURE way of making sure we're somewhat unseen.

In this case you would use any to call that is not SPC or any other that is
part of the APRS Spec beacon to calls.
Like for example SARMIS.
```

```
This would cause all SARMIS stations to see all other SARMIS stations and
only SARMIS stations.

The only difference  between the use of the ALTNET SARMIS and SPC"*"
above is that the SARMIS stations will not be seen by any regular APRS
station.

Looks like me that the APRS spec covers every contingency.

Let us hope we never witness the "Silence Of The Hams"
73 DE John  KB2SCS
     Mail To:            kb2scs@wa2pnu.#nli.ny.usa.noam
      E-Mail:            kb2scs@arrl.net

---
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---

24. [aprssig] USB to Serial cables.

From: Bruce Coates <bruce.coates@sk.sympatico.ca>
Date: Sat, 02 Nov 2002 08:58:25 -0600
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-105330-2002.11.02-09.43.19--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

```
Hi.

I keep seeing USB to serial adaptor cables for sale and was wondering if
anyone has ever tried using one with WinAPRS or UI-View.  I know the HSP
cable solution would work but that's just too easy. ;-)

I've never actually used one but I have to assume whatever driver software
they have mimics a standard serial port.

Thanks

Bruce - VE5BNC


---
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```

---

25. [aprssig] Jfindu Updated

From: "AE5PL Lists" <HamLists@ametx.com>
Date: Sat, 2 Nov 2002 11:26:15 -0600
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-105361-2002.11.02-12.09.35--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

```
I have added some new capabilities to JFindu http://jfindu.aprs-is.net

When finding or tracking a station, you can now specify whether you want
to see all SSID's of that callsign or just the requested callsign-SSID
combination.

Station Find pages now sets javAPRS to track the requested station (map
moves with station).

For Station Find pages or the tracking page, you can specify that you
are behind a firewall which does not let you get a live feed.  These
pages will then have javAPRS automatically retrieve updated packets from
the server on a timed interval (user set).  This will give a
semi-realtime display without the overhead of downloading new pages or
maps.

Try the "By Station" form to see how to set up your own URL's.

Have Fun!

73,

Pete Loveall AE5PL
pete@ae5pl.net

---
```

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---

26. [aprssig] Re: USB to Serial cables.

From: "Mark Fellhauer" <sparkfel@qwest.net>
Date: Sat, 02 Nov 2002 12:30:22 -0600
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-105373-2002.11.02-13.27.22--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

```
At 08:58 AM 11/2/02, Bruce Coates wrote:
>Hi.
>
>I keep seeing USB to serial adaptor cables for sale and was wondering if
>anyone has ever tried using one with WinAPRS or UI-View.  I know the HSP
>cable solution would work but that's just too easy. ;-)

Yes.  I have used one with WinAPRS, as well as HomeSeer.  They work just
fine.

>I've never actually used one but I have to assume whatever driver software
>they have mimics a standard serial port.

Correct.

The only thing they don't seem to work with are products or projects that
require power from the serial port.  I have a few data slicers (ham-comm
interfaces) that refuse to work with a USB to Serial Adapter, but TNC's,
GPS's, Modems, X-10 interfaces, and my Uniden BC-895XLT all seem to work
just fine with one.

73,

Mark
KC7BXS



---
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```

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27. [aprssig] Cincinnati APRS'ers

From: "J.Duffy Beischel" <wb8nut@arrl.net>
Date: Sat, 2 Nov 2002 13:19:4
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-105374-2002.11.02-14.02.26--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

```
Does anyone know why the K8SCH-10 Wide goes on and off the air, time and
time again, every day?  I know it was hit by lightning back a few months
ago and since Oh-Ky-In fixed it, it never seems to be up 24 x 7 anymore.
Curious as to what the situation may be so I can lend a hand or cash or
whatever.

Thanks,

Duffy
www.wb8nut.com

---
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```

---

28. [aprssig] Re: USB to Serial cables.

From: "J.Duffy Beischel" <wb8nut@arrl.net>
Date: Sat, 2 Nov 2002 13:31:32
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-105377-2002.11.02-14.14.52--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

```
Bruce,

I have used three different manufacturers USB to serial adapters and they
all work very well - just like having additional serial ports.
```

Duffy
www.wb8nut.com

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29. [aprssig] 6-character grid for Disney, Fla?

From: "Ev Tupis (W2EV)" <w2ev@arrl.net>
Date: Sat, 02 Nov 2002 16:45:20 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-105379-2002.11.02-16.36.46--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

I'm going to be trapped on Disney property for a few days, starting tomorrow.
Anybody have the 6-digit grid square for that area of Florida?

It's business...not pleasure, I'm afraid.

Ev, W2EV

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30. [aprssig] Re: 6-character grid for Disney, Fla?

From: "Ev Tupis (W2EV)" <w2ev@arrl.net>
Date: Sat, 02 Nov 2002 19:24:52 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-105382-2002.11.02-19.16.24--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Thanks to Gerry for helping me out!
Ev

Gerry Creager N5JXS wrote:
>
> Centroid appears to be EL98fj
>
> 73, gerry n5jxs
>
> Ev Tupis (W2EV) wrote:
> > I'm going to be trapped on Disney property for a few days, starting tomorrow.
> > Anybody have the 6-digit grid square for that area of Florida?
> >
> > It's business...not pleasure, I'm afraid.
> >
> > Ev, W2EV
> >
> >
> > ---
> > You are currently subscribed to aprssig as: gerry.creager@tamu.edu
> > To unsubscribe send a blank email to leave-aprssig-842K@lists.tapr.org
> > Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org
>
> --
> Gerry Creager -- gerry.creager@tamu.edu
> Network Engineering, Academy for Advanced Telecommunications
> Texas A&M University, College Station, TX
> Office: 979.458.4020 FAX: 979.847.8578 Cell: 979.229.5301
> Page: 979.228.0173 -or- gcreager@my2way.com

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31. [aprssig] Re: Doppler placement?

From: "Peter \"Dakota\" Summerhawk" <dakotas@dotorg.org>
Date: Sat, 2 Nov 2002 23:10:49 -0700
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-105404-2002.11.03-00.54.23--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

```
So does this mean that the foxhunters out there that do use the Doppler
don't transmit their position? Or is it just the foxhunting part of the
group just uses the aprs side of things for a relative position to each
other? I am trying to understand the basic concept here as the information
and site that I have seen give the general impression that the Doppler is
seeking DF and the aprs data is till going out over the network transmitted
via the radio. Correct me if I am wrong here but I thought that aprs would
allow you to hook the whole thing together to be able to transmit your
position AND DF at the same time. It should be possible to do both is it
not?


----- Original Message -----
From: "Mark Fellhauer" <sparkfel@qwest.net>
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Sent: Saturday, November 02, 2002 1:28 AM
Subject: [aprssig] Re: Doppler placement?


> At 11:21 PM 11/1/02, Peter \"Dakota\" Summerhawk wrote:
>
> >  My question is where do I put the Doppler so I can get a reading
> >and still send my position?
>
>
> Use a separate receiver for the doppler unit.  An inexpensive scanner is
> probably good enough.   You might want to put some kind of RX inhibit
> circuit on the doppler's receiver to protect it from nearby transmitter
> overload.
>
> You are probably going to need a second serial port to make this
> work.  Depending on the laptop, you can get a USB to serial adapter or a
> PCMCIA to serial adapter.
>
> No one said fox hunting is cheap. ;)
>
> 73,
>
> Mark
> KC7BXS
>
>
>
> ---
> You are currently subscribed to aprssig as: Dakotas@dotorg.org
> To unsubscribe send a blank email to leave-aprssig-842K@lists.tapr.org
> Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org
>



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```

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32. [aprssig] Re: Doppler placement?

From: WA8LMF2@aol.com
Date: Sun, 3 Nov 2002 02:13:01 EST
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: aprssig@lists.tapr.org
Message-ID: <LYR842-105407-2002.11.03-01.56.32--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

```
In a message dated 11/2/2002 10:13:39 PM Pacific Standard Time,
dakotas@dotorg.org writes:

> So does this mean that the foxhunters out there that do use the Doppler
>  don't transmit their position?

If it is a competive hunt: NO.  Why would one person want to help out
competitors??

If it is a search-and-rescue scenario, possibly yes.  But not on the freq you
are tracking the distress signal on!
```

> Correct me if I am wrong here but I thought that aprs would
> allow you to hook the whole thing together to be able to transmit your
> position AND DF at the same time. It should be possible to do both is it
> not?

APRS can not eliminate the fact that you are trying to do several things on several frequencies at the same time.

You need two completely separate radios. One is receive-only for tracking the fox. The other will be receive/transmit ON ANOTHER FREQUENCY (ideally on a different band to minimize interference with the tracker) if you wish to discuss the tracking with other stations, or send position data.

APRS data (i.e. position of the hunter) is normally transmitted on a non-voice channel, typically 144.39. If you want to transmit heading data from the doppler DF antenna as well, you will need more hardware and software (unless you intend to enter DF headings by hand as a comment field in an APRS position report) to format the DF data into an APRS-compatible data packet.

If you want a voice "intercom" to talk with the other hunters and command post at the same time you track the fox and transmit APRS data,   you could wind up with THREE radios (or a dual-bander plus a 2nd single-bander):
  1) Receive-only (possibly a scanner or wide-range receiver) connected to the specialized (RECEIVE ONLY!) doppler DF antennna.
  2) APRS DATA transmit/receive
  3) Voice transmit/receive

The Kenwood D700 would handle 2 and 3 together very nicely since it already has built-in APRS capability. The built-in antenna combiner allows both bands of this radio to share a single dual-band VHF-UHF antenna with no additional hardware needed.

It would NOT be suitable for #1 combined with one of the others since both radios in the D700 share a single antenna jack -- the minute you key up on the non-doppler channel, you would fry the doppler antenna.

```
Stephen H. Smith                   wa8lmf @ aol.com
Home Page:                                      http://wa8lmf.com
Ham Radio/Mobile SSTV page:     http://members.aol.com/wa8lmf/ham
APRS Stuff
http://members.aol.com/wa8lmf/aprs
------------------------------------------------------------------------------

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33. [aprssig] antenna question

From: "Wes Johnston" <wes@johnston.net>
Date: Sun, 3 Nov 2002 09:33:43 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-105424-2002.11.03-09.17.33--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

I have a diamond F23 (7.8 dB gain) base antenna and a SG7900 (5dB @ 2m) mobile antenna. The F23 came from the factory a little detuned. I called Diamond and they told me how to tune by spreading out the bottom coil. All was well and it was working fine but had an SWR of 1.2 as a minimum.

I've just moved to a new house and after 3 weeks, got the tower up. I put the F23 on top and couldn't hear a thing. I run open squelch, and could hear packets, but not good enough to decode them. I placed the SG7900 atop the tower (it has a slightly better match at 1.1SWR), and those weak signals went to 5 and 7 s-units (two digi's several 10's of miles from me).

How can it be that an antenna with a good match (1.2:1) can't hear a thing?

I swapped the coax between 100ft of 9913 and 80ft of 213, and it made a
"little" difference in the SWR, but little or no difference in the signal
strengths.

Ideas? Send the f23 to diamond??

Wes

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---

34. [aprssig] Re: antenna question

From: David VanHorn <dvanhorn@cedar.net>
Date: Sun, 03 Nov 2002 09:40:09 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-105432-2002.11.03-09.25.35--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

>
>How can it be that an antenna with a good match (1.2:1) can't hear a thing?

I don't know, but I've seen it happen.
I had an MFJ antenna for a while, worked great till one afternoon when I could no longer hit the local repeater with 25W from a place where I usually can hit the repeater with 20mW on my HT.

I went immediately to a friend's place, and put his Bird in the line.
No reflected power that we could measure, but it wasn't radiating either.
We even put the bird in right at the base of the antenna.

25W forward, needle not moving on reflected, and no radiation.

I run the Diamond SG-7900 now.
http://www.inchase.org/outflow/events/installnic2002/f5Mount.html

---
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---

35. [aprssig] Re: antenna question

From: "Roy Bost" <rbost@itexas.net>
Date: Sun, 3 Nov 2002 09:28:42 -0600
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-105435-2002.11.03-10.12.18--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Try tuning your antenna using a field strength meter! As I remember, tuning
with SWR meter can trick you, depending on the phase of the standing waves.
I once had an antenna that did this, and I finally just had to get a new
antenna.

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---

36. [aprssig] Re: antenna question

From: David VanHorn <dvanhorn@cedar.net>
Date: Sun, 03 Nov 2002 10:48:59 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-105436-2002.11.03-10.34.23--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

At 09:28 AM 11/3/2002 -0600, Roy Bost wrote:
>Try tuning your antenna using a field strength meter! As I remember, tuning with SWR meter can trick you, depending on the phase of the standing waves.

I suppose that could happen, but what we're talking about here is an antenna that was in service, and tuned properly, turning itself into a dummy load for no apparent reason.

>I once had an antenna that did this, and I finally just had to get a new

>antenna.

That's what I did.

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37. [aprssig] Re: antenna question

From: Alex <kr1st@amsat.org>
Date: Sat, 02 Nov 2002 00:52:05 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: TAPR APRS Special Interest Group <aprssig@lists.tapr.org>
Message-ID: <LYR842-105439-2002.11.03-11.07.34--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

I's put the antenna at ground level and check the SWR at the base of the antenna. A large run of coax can easily mask any problems. But even that might not give you much insight.

I had this once happening to me with a cheap mobil antenna from a company in SC. After about a year it gave up. SWR was just fine, 1.5 or so, but it didn't rx or tx. A field strength meter as someone already suggested can be you best friend in situations like this. It turned out that the antenna was barely radiating. So something inside the antenna was dissipating power. I took it apart and found that a lot of moisture had collected in the base of the antenna. I dried it real good with a hair dryer before sealing it and it was working like a champ again.

If the warranty on your antenna has expired, I'd take it apart and see what's going on. Spider webs are good at collecting moisture and turning antennas into excellent dummy loads.

> How can it be that an antenna with a good match (1.2:1) can't hear a
> thing?

My dummy load doesn't hear much either. :)

73,
--Alex KR1ST

http://www.kr1st.com

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38. [aprssig] Re: antenna question

From: Bruce Gordon <bgordon@rain.org>
Date: Sun, 03 Nov 2002 08:29:51 -0800
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: TAPR APRS Special Interest Group <aprssig@lists.tapr.org>
Message-ID: <LYR842-105441-2002.11.03-11.13.17--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Hi all,

We had a problem like this with a 6 meter antenna at a repeater site that blew down. It had low VSWR when reinstalled but couldn't be heard. On disassembly, we got a pint of water out of it; a liquid dummy load. Works fine now.

Bruce Gordon N6OLT

David VanHorn wrote:
>
> At 09:28 AM 11/3/2002 -0600, Roy Bost wrote:
> >Try tuning your antenna using a field strength meter! As I remember, tuning with SWR meter can trick you, depending on the phase of the standing waves.
>
> I suppose that could happen, but what we're talking about here is an antenna that was in service, and tuned properly, turning itself into a dummy load for no apparent reason.
>
> >I once had an antenna that did this, and I finally just had to get a new
> >antenna.

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39. [aprssig] Re: antenna question

From: "Mark Fellhauer" <sparkfel@qwest.net>
Date: Sun, 03 Nov 2002 11:12:30 -0600
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-105443-2002.11.03-12.19.03--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

At 10:29 AM 11/3/02, Bruce Gordon wrote:

>We had a problem like this with a 6 meter antenna at a repeater site
>that blew down. It had low VSWR when reinstalled but couldn't be
>heard. On disassembly, we got a pint of water out of it; a liquid dummy
>load. Works fine now.

I could buy that in a fiberglass encased antenna, but I've seen a Ringo Ranger do the same thing - LOW VSWR and totally deaf.   What's sad is no one would listen to me, even after I showed them that placing a smaller antenna on the same coax increased range.   In fact, club members insisted the Ringo be used on a club repeater and then wondered why they couldn't hit the repeater 4 miles away and line of sight...

73,

Mark
KC7BXS

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Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

40. [aprssig] Re: antenna question

From: "Ronald Reams" <wa4mjf@worldnet.att.net>
Date: Sun, 3 Nov 2002 13:00:49 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-105444-2002.11.03-12.44.59--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

I would not use a fiberglass antenna for repeater/node service
that was on a tower.

We've always gotten good results with DB Products antennae.

73 de Ronnie

----- Original Message -----
From: "Mark Fellhauer" <sparkfel@qwest.net>
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Sent: Sunday, November 03, 2002 12:12
Subject: [aprssig] Re: antenna question

At 10:29 AM 11/3/02, Bruce Gordon wrote:

>We had a problem like this with a 6 meter antenna at a repeater site
>that blew down. It had low VSWR when reinstalled but couldn't be
>heard. On disassembly, we got a pint of water out of it; a liquid dummy
>load. Works fine now.

I could buy that in a fiberglass encased antenna, but I've seen a Ringo Ranger do the same thing - LOW VSWR and totally deaf.   What's sad is no one would listen to me, even after I showed them that placing a smaller antenna on the same coax increased range.   In fact, club members insisted the Ringo be used on a club repeater and then wondered why they couldn't hit the repeater 4 miles away and line of sight...

73,

Mark
KC7BXS

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Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

41. [aprssig] Re: antenna question

From: Gerry Creager N5JXS <gerry.creager@tamu.edu>
Date: Sun, 03 Nov 2002 12:04:21 -0600
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: TAPR APRS Special Interest Group <aprssig@lists.tapr.org>
Message-ID: <LYR842-105445-2002.11.03-12.47.47--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Cushcraft managed, in one design, to maximize the problems associated with dissimilar metals in radiating structures. I've marvelled for years that not only could they screw up their matierials selection, but continue to sell it over the years. There is no real way I'm familiar with to seal a Ringo (Ranger) to prevent the problems associated with dissimilar metals, electrolysis and corrosion.

One group I'm active with has, for as long as I can remember, referred to these antennas as "Ringo Resistors," and refused to employ them anywhere.

Gerry n5jxs

Mark Fellhauer wrote:
> At 10:29 AM 11/3/02, Bruce Gordon wrote:
>
>> We had a problem like this with a 6 meter antenna at a repeater site
>> that blew down. It had low VSWR when reinstalled but couldn't be
>> heard. On disassembly, we got a pint of water out of it; a liquid dummy
>> load. Works fine now.
>
>
> I could buy that in a fiberglass encased antenna, but I've seen a Ringo
> Ranger do the same thing - LOW VSWR and totally deaf. What's sad is no
> one would listen to me, even after I showed them that placing a smaller
> antenna on the same coax increased range. In fact, club members
> insisted the Ringo be used on a club repeater and then wondered why they
> couldn't hit the repeater 4 miles away and line of sight...
>
> 73,
>
> Mark
> KC7BXS
>
>
>
> ---
> You are currently subscribed to aprssig as: gerry.creager@tamu.edu
> To unsubscribe send a blank email to leave-aprssig-842K@lists.tapr.org
> Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

--
Gerry Creager -- gerry.creager@tamu.edu
Network Engineering, Academy for Advanced Telecommunications
Texas A&M University, College Station, TX
Office: 979.458.4020 FAX: 979.847.8578 Cell: 979.229.5301
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42. [aprssig] Re: antenna question

From: Gerry Creager N5JXS <gerry.creager@tamu.edu>
Date: Sun, 03 Nov 2002 12:29:41 -0600
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: TAPR APRS Special Interest Group <aprssig@lists.tapr.org>
Message-ID: <LYR842-105446-2002.11.03-13.12.47--lyris.aprssig#tapr.org@lists.tapr.org>

Rendered body type: text/plain

```
You *can* seal dB Products antennas... and they're pretty careful about
selection of metals.  Ringo's, on the other hand, are a different matter.

I've used a fair number of commercial fiberglas antennas on towers with
no problems.  Depending on the prevailing environment, you go with
fiberglas or bare metal, whichever is a better choice.

gerry

Ronald Reams wrote:
> I would not use a fiberglass antenna for repeater/node service
> that was on a tower.
>
> We've always gotten good results with DB Products antennae.
>
>
> 73 de Ronnie
>
>
> ----- Original Message -----
> From: "Mark Fellhauer" <sparkfel@qwest.net>
> To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
> Sent: Sunday, November 03, 2002 12:12
> Subject: [aprssig] Re: antenna question
>
>
> At 10:29 AM 11/3/02, Bruce Gordon wrote:
>
>
>>We had a problem like this with a 6 meter antenna at a repeater site
>>that blew down.  It had low VSWR when reinstalled but couldn't be
>>heard.  On disassembly, we got a pint of water out of it; a liquid dummy
>>load.  Works fine now.
>
>
> I could buy that in a fiberglass encased antenna, but I've seen a Ringo
> Ranger do the same thing - LOW VSWR and totally deaf.   What's sad is no
> one would listen to me, even after I showed them that placing a smaller
> antenna on the same coax increased range.   In fact, club members insisted
> the Ringo be used on a club repeater and then wondered why they couldn't
> hit the repeater 4 miles away and line of sight...
>
> 73,
>
> Mark
> KC7BXS
>
>
>
>
>
> ---
> You are currently subscribed to aprssig as: gerry.creager@tamu.edu
> To unsubscribe send a blank email to leave-aprssig-842K@lists.tapr.org
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--
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```

43. [aprssig] Re: antenna question

From: "Spider" <spider@rivcom.net>
Date: Sun, 3 Nov 2002 13:54:00 -0700
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-105462-2002.11.03-15.37.36--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

```
>
> Ronald Reams wrote:
> > I would not use a fiberglass antenna for repeater/node service
> > that was on a tower.


Why?  I've used just about every type and I've used and have surely seen a
ton of Super Station Masters in service working just fine!
If you want a "quite" antenna, I'd probably go with a folded dipole
arrangement.

Jim, WA6OFT





---
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```

44. [aprssig] Re: antenna question

```
From: KC7ZRU - Tate <kc7zru@arrl.net>
Date: Sun, 03 Nov 2002 14:06:38 -0700
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-105465-2002.11.03-15.50.08--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain
```

```
Remember, a dummy load will present a beautiful 1:1 match

73

--
              Casper, WY    |    CARC Repeater
                DN62tt      |      146.940
        "The Dungeon" online at http://go.to/kc7zru
            "RTFM" is NOT a 'four letter' word!

---
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```

45. [aprssig] Re: antenna question

```
From: "Richard Amirault" <ramirault@erols.com>
Date: Sun, 3 Nov 2002 16:09:54 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-105466-2002.11.03-15.53.28--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain
```

```
A 50 ohm resistor will have a SWR of 1:1 but won't transmit or recieve worth
a damn. (in other words .. SWR isn't everything)

Richard Amirault                                N1JDU                Boston,
MA, USA
www.erols.com/ramirault          "Go Fly A Kite"
----- Original Message -----
From: "Wes Johnston" <wes@johnston.net>
Subject: [aprssig] antenna question
(snip)

> How can it be that an antenna with a good match (1.2:1) can't hear a
thing?
> I swapped the coax between 100ft of 9913 and 80ft of 213, and it made a
> "little" difference in the SWR, but little or no difference in the signal
> strengths.



---
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```

46. [aprssig] Re: antenna question

```
From: David VanHorn <dvanhorn@cedar.net>
Date: Sun, 03 Nov 2002 16:09:45 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
```

Message-ID: <LYR842-105467-2002.11.03-15.55.24--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

```
>
>If you want a "quite" antenna, I'd probably go with a folded dipole
>arrangement.
>
>Jim, WA6OFT

I think you meant "quiet"?


---
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```

47. [aprssig] Re: antenna question

From: David VanHorn <dvanhorn@cedar.net>
Date: Sun, 03 Nov 2002 16:14:58 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-105468-2002.11.03-16.00.24--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

```
At 04:09 PM 11/3/2002 -0500, Richard Amirault wrote:
>A 50 ohm resistor will have a SWR of 1:1 but won't transmit or recieve worth a damn. (in other words ..
 SWR isn't everything)

The point was, that when an antenna fails, you normally expect a high SWR, because you have a system
that was tuned and working, and is now not working.

It wouldn't surprise me to find out that many antennas aren't presenting 50 ohm impedance when they are
resonant.



---
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```

48. [aprssig] Still settimg up kpc3

From: "Ken Cechura" <kcechura@umr.edu>
Date: Sun, 3 Nov 2002 15:28:34 -0600
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-105469-2002.11.03-16.12.10--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

```
I'm still working on getting all the settings right, so heres another
question

Why couldmt I (what problems would it cause If I) set up my tracker as a
relay?  I noticed some people let their D700's relay traffic when I've
been in the vehicle with them.

And, while im on the subject, what would be required to make a KPC9612+
(working as a Digi) respond to both Relay and Wide (or Widen-n) from a
tracker?  I thought I had it set up, but have been informed that it
appears not to be quite right... Since I havent had my tracker up and
running lately, I didn't notice it... Been too busy workig on the
console in my truck.

Thanks
Ken

       Kenneth R. Cechura, KC9UMR
      University of Missouri-Rolla
  Department Of Electrical Engineering
     President, 2002, W0EEE, UMR ARC
         email: kcechura@umr.edu




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```

49. [aprssig] Re: antenna question

From: "Spider" <spider@rivcom.net>
Date: Sun, 3 Nov 2002 14:33:12 -0700
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-105470-2002.11.03-16.16.58--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

```
----- Original Message -----
From: "David VanHorn" <dvanhorn@cedar.net>
To: "Spider" <spider@rivcom.net>; "TAPR APRS Special Interest Group"
<aprssig@lists.tapr.org>
Sent: Sunday, November 03, 2002 2:09 PM
Subject: Re: [aprssig] Re: antenna question


>
> >
> >If you want a "quite" antenna, I'd probably go with a folded dipole
> >arrangement.
> >
> >Jim, WA6OFT
>
> I think you meant "quiet"?


I cain't spill er tipe!!!  Sorry!

Jim




---
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Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org
```

50. [aprssig] Re: antenna question

From: "Spider" <spider@rivcom.net>
Date: Sun, 3 Nov 2002 14:35:11 -0700
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-105471-2002.11.03-16.18.59--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

```
----- Original Message -----
From: "Richard Amirault" <ramirault@erols.com>
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Sent: Sunday, November 03, 2002 2:09 PM
Subject: [aprssig] Re: antenna question


> A 50 ohm resistor will have a SWR of 1:1 but won't transmit or recieve
worth
> a damn. (in other words .. SWR isn't everything)
>
> Richard Amirault                                N1JDU
Boston,


And, you can have antenny's with very high SWR, by design, that work
excellent!

Jim




---
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```

51. [aprssig] Re: antenna question

From: Gerry Creager N5JXS <gerry.creager@tamu.edu>
Date: Sun, 03 Nov 2002 15:43:42 -0600
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: TAPR APRS Special Interest Group <aprssig@lists.tapr.org>
Message-ID: <LYR842-105475-2002.11.03-16.26.44--lyris.aprssig#tapr.org@lists.tapr.org>

Rendered body type: text/plain

```
Er... 50+j0... however, any number of things can conspire to change the
complex impedence and produce a result much different from a tuned
radiator.

While I should have thought of it, the point made about water
contamination is a good one.  Further, contaminated coax and heliax will
produce some stellar SWR readings, and poor results if you don't
maintain a high index of suspicion.

Points to ponder.

gerry

David VanHorn wrote:
> At 04:09 PM 11/3/2002 -0500, Richard Amirault wrote:
>
>>A 50 ohm resistor will have a SWR of 1:1 but won't transmit or recieve worth a damn. (in other words
.. SWR isn't everything)
>
>
> The point was, that when an antenna fails, you normally expect a high SWR, because you have a system
that was tuned and working, and is now not working.
>
> It wouldn't surprise me to find out that many antennas aren't presenting 50 ohm impedance when they
are resonant.
>
>
>
> ---
> You are currently subscribed to aprssig as: gerry.creager@tamu.edu
> To unsubscribe send a blank email to leave-aprssig-842K@lists.tapr.org
> Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org


--
Gerry Creager -- gerry.creager@tamu.edu
Network Engineering, Academy for Advanced Telecommunications
Texas A&M University, College Station, TX
Office: 979.458.4020 FAX: 979.847.8578 Cell: 979.229.5301
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```

52. [aprssig] Re: antenna question

From: "Mark Fellhauer" <sparkfel@qwest.net>
Date: Sun, 03 Nov 2002 15:23:44 -0600
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-105480-2002.11.03-16.30.48--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

```
And you can't "grammar" either...  ;)


At 03:33 PM 11/3/02, Spider wrote:

>I cain't spill er tipe!!!  Sorry!

At 03:35 PM 11/3/02, Spider wrote:


>And, you can have antenny's with very high SWR, by design, that work
>excellent!

We've seen the dying-off of the use of adverbs - and I think you just
killed it...

73,

Mark
KC7BXS



---
```

```
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Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org
```

53. [aprssig] Problem Packet

```
From: "Eric Christensen" <christensene@mebtel.net>
Date: Sun, 3 Nov 2002 17:11:11 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-105509-2002.11.03-16.55.03--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain
```

```
Anyone know what station this might be originating from?  I am seeing
it every five minutes.

RELAY!RELAY>RELAY,G7NFK*,MB7USA,qAS,MB7USA:!5313.00N/00152.00W#
BUXTON G7NFK

Thanks,
Eric KF4OTN



---
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Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org
```

54. [aprssig] Re: antenna question

```
From: blitz <blitz@macronet.net>
Date: Sun, 03 Nov 2002 15:49:10 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: aprssig@lists.tapr.org
Message-ID: <LYR842-105522-2002.11.03-18.03.29--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain
```

```
At no time should a Ringo Ranger be compared to a real antenna.

At 11:12 11/3/02 -0600, you wrote:
>At 10:29 AM 11/3/02, Bruce Gordon wrote:
>
>>We had a problem like this with a 6 meter antenna at a repeater site
>>that blew down.  It had low VSWR when reinstalled but couldn't be
>>heard.  On disassembly, we got a pint of water out of it; a liquid dummy
>>load.  Works fine now.
>
>I could buy that in a fiberglass encased antenna, but I've seen a Ringo
>Ranger do the same thing - LOW VSWR and totally deaf.   What's sad is no
>one would listen to me, even after I showed them that placing a smaller
>antenna on the same coax increased range.   In fact, club members insisted
>the Ringo be used on a club repeater and then wondered why they couldn't
>hit the repeater 4 miles away and line of sight...
>
>73,
>
>Mark
>KC7BXS
>
>
>
>---
>You are currently subscribed to aprssig as: blitz@macronet.net
>To unsubscribe send a blank email to leave-aprssig-842K@lists.tapr.org
>Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org
>


---
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To unsubscribe send a blank email to leave-aprssig-842K@lists.tapr.org
Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org
```

55. [aprssig] Re: antenna question

```
From: blitz <blitz@macronet.net>
Date: Sun, 03 Nov 2002 19:05:46 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: aprssig@lists.tapr.org
Message-ID: <LYR842-105537-2002.11.03-19.20.02--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain
```

Indeed, and that was learned the hard way in cellular.
The early morning condensation that seeps into feedline/antenna jumper
cables (the ones with the pinkish semi-transparent outer jacket) is a dead
short at 800 mhz. As soon as the sun came up, the cables warmed up and
outgassed, and went back good.
That was a troubleshooting nightmare.

>While I should have thought of it, the point made about water
>contamination is a good one. Further, contaminated coax and heliax will
>produce some stellar SWR readings, and poor results if you don't maintain
>a high index of suspicion.

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Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

56. [aprssig] Re: antenna question

From: blitz <blitz@macronet.net>
Date: Sun, 03 Nov 2002 19:01:05 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: aprssig@lists.tapr.org
Message-ID: <LYR842-105542-2002.11.03-19.20.35--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

AT rated impedance...measure one with a precision ohmeter. They are seldom
precisely 50 ohms.
Heat tends to change their resistance.

At 14:06 11/3/02 -0700, you wrote:
>Remember, a dummy load will present a beautiful 1:1 match
>
>73
>
>--
>   Casper, WY | CARC Repeater
>   DN62tt | 146.940
>   "The Dungeon" online at http://go.to/kc7zru
>   "RTFM" is NOT a 'four letter' word!
>
>---
>You are currently subscribed to aprssig as: blitz@macronet.net
>To unsubscribe send a blank email to leave-aprssig-842K@lists.tapr.org
>Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

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Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

57. [aprssig] Re: antenna question

From: blitz <blitz@macronet.net>
Date: Sun, 03 Nov 2002 18:58:21 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: aprssig@lists.tapr.org
Message-ID: <LYR842-105543-2002.11.03-19.20.44--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

And exposed bay dipoles have corrosion problems, especially in the
harnesses...each design has its good points and bad. Ive used both
Stationmasters and Sinclair's version and found them just fine for
repeaters. In fact I've got 2 UHF repeaters running on them for over 15
years now.
I will say if you sidemount a fiberglass on a tower,its not a bad idea to
use a piece of PVC pipe with a "T" to capture the tip and hold it firmly.
It will prevent the antenna from beating itself against the tower in the
wind, and keep the pattern more stable.

At 13:54 11/3/02 -0700, you wrote:
> >
> > Ronald Reams wrote:
> > > I would not use a fiberglass antenna for repeater/node service
> > > that was on a tower.
>
>
>Why? I've used just about every type and I've used and have surely seen a

```
>ton of Super Station Masters in service working just fine!
>If you want a "quite" antenna, I'd probably go with a folded dipole
>arrangement.
>
>Jim, WA6OFT
>
>
>
>
>---
>You are currently subscribed to aprssig as: blitz@macronet.net
>To unsubscribe send a blank email to leave-aprssig-842K@lists.tapr.org
>Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org


---
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To unsubscribe send a blank email to leave-aprssig-842K@lists.tapr.org
Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org
```

58. [aprssig] findu 2 backup status

From: "Guy Story, KC5GOI" <kc5goi@kc5goi.net>
Date: Sun, 3 Nov 2002 19:02:05 -0600
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-105554-2002.11.03-19.45.43--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

```
This is the first in what will be a series of status updates.  The findu
backup server is still in configuration mode at this time but there is a web
page that everyone can access that shows the system is alive and lists the
specs on the box.  Clint, Steve and myself are working on this as time
permits.

        I have copied over the java server but do not have it configured just yet.
Do not be suprised if you see findu popup in the list of connections on the
servers soon.  I have to get the Java Virtual Machine installed, then the
Java APRS server configured.

         I do not have a completion date at this time.  I am afraid that if I say it
will be done by the end of November, that the goal will not happen.   I have
made the mistake of establishing goals and some happened, some did not.

        The current page is pretty basic but give everyone a peak at the box and
something to show it is alive.  The findu2 backup web access is currently at
http://findu2.flyingpig.net.  This url is temporary.

        Everyone has been very patient on this endevor.  Thank you very much for
that.  Feel free to forward this message on to those who conributed but are
not on the mailing lists.



73

--
Guy Story, KC5GOI
Itel-Tigerbyte LLC
gstory@tigerbyte.com
940.891.4575

---
You are currently subscribed to aprssig as: lyris.aprssig@tapr.org
To unsubscribe send a blank email to leave-aprssig-842K@lists.tapr.org
Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org
```

59. [aprssig] Re: Problem Packet

From: "Dick Stanich" <dick@kb7zva.com>
Date: Sun, 3 Nov 2002 19:8:6
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-105556-2002.11.03-19.51.29--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

```
> Anyone know what station this might be originating from?  I am seeing
> it every five minutes.
>
> RELAY!RELAY>RELAY,G7NFK*,MB7USA,qAS,MB7USA:!5313.00N/00152.00W#
> BUXTON G7NFK
>
> Thanks,
```

> Eric KF4OTN

It is being heard by G7NFK and being sent to the APRS IS via MB7USA. The
packet is obviously corrupt for several reasons. Normally, depending on
your server software, this packet would be discarded.

Dick, kb7zva
APRSWest

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To unsubscribe send a blank email to leave-aprssig-842K@lists.tapr.org
Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

60. [aprssig] Re: Problem Packet

From: "Eric Christensen" <christensene@mebtel.net>
Date: Sun, 3 Nov 2002 20:20:34 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-105557-2002.11.03-20.04.50--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

It is being discarded by AFilter... I hope that someone can find
this station and correct it so it will once again become useful!!!
:)

Eric KF4OTN

----- Original Message -----
From: "Dick Stanich" <dick@kb7zva.com>
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Sent: Sunday, November 03, 2002 00:00
Subject: [aprssig] Re: Problem Packet

> Anyone know what station this might be originating from? I am
seeing
> it every five minutes.
>
> RELAY!RELAY>RELAY,G7NFK*,MB7USA,qAS,MB7USA:!5313.00N/00152.00W#
> BUXTON G7NFK
>
> Thanks,
> Eric KF4OTN

It is being heard by G7NFK and being sent to the APRS IS via MB7USA.
The
packet is obviously corrupt for several reasons. Normally, depending
on
your server software, this packet would be discarded.

Dick, kb7zva
APRSWest

You are currently subscribed to aprssig as: christensene@mebtel.net
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leave-aprssig-842K@lists.tapr.org
Questions regarding the SIG go to the SIG administrator:
wa1lou@tapr.org

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To unsubscribe send a blank email to leave-aprssig-842K@lists.tapr.org
Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

61. [aprssig] Re: Problem Packet

From: "Dick Stanich" <dick@kb7zva.com>
Date: Sun, 3 Nov 2002 20:17:31
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-105558-2002.11.03-21.00.55--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

I was intouch with MB7USA and the problem was generated by a new digi
there. It will be corrected. The q construct works, huh?

Dick, kb7zva

APRSWest
http://kb7zva.com

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To unsubscribe send a blank email to leave-aprssig-842K@lists.tapr.org
Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

62. [aprssig] Re: antenna question

From: blitz <blitz@macronet.net>
Date: Sun, 03 Nov 2002 15:47:31 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: aprssig@lists.tapr.org
Message-ID: <LYR842-105585-2002.11.04-00.00.10--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Just because you get a good SWR doesn't mean the antenna is working.
I had a customers commercial site go bad that way and SWR was worthless to analyze it.
It was a two stick UHF repeater setup. Both antennas showed less than 3 watts reflected for full forward power. One way, they could hear the repeater, but the mobiles couldn't hit it. The other way, the mobiles could hit it, but they couldn't hear it in the field.
The antennas were commercial quality phelps-dodge 10db fiberglass sticks, and neither looked bad. The decisive test was performed with an ohm meter.
The good antenna showed continuity (a short) at the connector, while the bad one showed an open.

Apparently, the bad antenna had at least a quarter wave of innards still attached to the connector, and mad a fine dummy load.
The SWR meter (or bird wattmeter for that fact) is only a tool, the readings may or may not tell you what you want/need to know.
I'd take a field strength reading on your antenna and compare it to a known good antenna. Even a received signal strength should be indicative if its as bad as you claim.

At 00:52 11/2/02 -0500, you wrote:
>I's put the antenna at ground level and check the SWR at the base of the
>antenna. A large run of coax can easily mask any problems. But even that
>might not give you much insight.
>
>I had this once happening to me with a cheap mobil antenna from a
>company in SC. After about a year it gave up. SWR was just fine, 1.5 or
>so, but it didn't rx or tx. A field strength meter as someone already
>suggested can be you best friend in situations like this. It turned out
>that the antenna was barely radiating. So something inside the antenna
>was dissipating power. I took it apart and found that a lot of moisture
>had collected in the base of the antenna. I dried it real good with a
>hair dryer before sealing it and it was working like a champ again.
>
>If the warranty on your antenna has expired, I'd take it apart and see
>what's going on. Spider webs are good at collecting moisture and turning
>antennas into excellent dummy loads.
>
> > How can it be that an antenna with a good match (1.2:1) can't hear a
> > thing?
>
>My dummy load doesn't hear much either. :)
>
>73,
>--Alex KR1ST
>
>http://www.kr1st.com
>
>---
>You are currently subscribed to aprssig as: blitz@macronet.net
>To unsubscribe send a blank email to leave-aprssig-842K@lists.tapr.org
>Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

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Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

63. [aprssig] Antenna problems

From: "Frank Coffey" <frantek@icx.net>
Date: Mon, 4 Nov 2002 7:34:8

To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-105608-2002.11.04-08.17.39--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

```
It sounds like the antenna could have an electrical connection that has
became resistive due to oxidation. I always use NoAlox or a similar
oxidation inhibitor to minimize the chance of that. It is even a good idea
to assemble the antenna coating all assembly joints with it.

---
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Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org
```

64. [aprssig] Igating

From: James Cizek <ki0kn@amsat.org>
Date: Mon, 04 Nov 2002 14:59:45 -0700
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-105636-2002.11.04-16.43.34--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

```
Hi all,
  I am pretty new to APRS and have been doing some experimenting with
 all th various aspects.  Having one problem with Igating. I have been
 trying to setup my APRS+SA to gate the TCP stream to the internet.
 Incoming works fine but I cannot make anything leave. We'd like to get
 this working to gate an occasional balloon flight that occurs near the
 area on non standard frequnecies. I have checked "Gate TCP stream to
internet"
 in the "Internet" section and am using the default aprsserve.txt file
with
 the western server listed in that file.  I am using a "trial" copy of
APRS+SA
 as I have just sent my check in to register it and haven't gotten my
serial
 number yet.  Could that be the reason for it's failure?  If not, am I
missing
 something obvious?  Thanks for any help.
 -James  KI0KN@amsat.org

---
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Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org
```

65. [aprssig] RE: Igating

From: "AE5PL Lists" <HamLists@ametx.com>
Date: Mon, 4 Nov 2002 16:22:51 -0600
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-105637-2002.11.04-17.06.20--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

```
> -----Original Message-----
> From: James Cizek [mailto:ki0kn@amsat.org]
> Posted At: Monday, November 04, 2002 4:01 PM
> Subject: [aprssig] Igating
>
> listed in that file.  I am using a "trial" copy of
> APRS+SA
>  as I have just sent my check in to register it and haven't
> gotten my serial  number yet.  Could that be the reason for
> it's failure?  If not, am I missing  something obvious?

That is the reason.  An unregistered version makes an "unverified"
connection to the server.  The server sees this and does not allow any
packets not originated by the connected station through.  In other
words, your ID packets:

KI0KN>APS215,TCPIP*:rest of packet

Will be passed to APRS-IS as:

KI0KN>APS215,TCPXX*:rest of packet

However, packets gated by your station from anyone else will be dropped.
Once you get your registration from Brent, you should not have any
problem.

73,
```

Pete Loveall AE5PL
pete@ae5pl.net

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To unsubscribe send a blank email to leave-aprssig-842K@lists.tapr.org
Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

66. [aprssig] NOSaprs (APRS Igate) - release 1.15b2 available

From: Maiko Langelaar <maiko@langelaar.net>
Date: Mon, 04 Nov 2002 17:39:46 -0600
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-105638-2002.11.04-18.18.23--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Greetings,

I have released another patch for NOSaprs. Most of the changes were made to keep up-to-date with the latest standards that *seem* to be in affect with regard to the APRS Internet System.

What is NOSaprs ? In short, it's an APRS Server/Igate bolt-on to JNOS and TNOS systems, allowing the sysops of those systems to support their local APRS users, using existing infrastructure, without the need to setup separate boxes or radios, etc.

For a complete description of what NOSaprs is, and what it does, as well as update kits and documentation, please visit the official site at the following URL :

   http://www.qsl.net/ve4klm/packet/aprss.html

Best regards,

Maiko Langelaar / VE4KLM

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To unsubscribe send a blank email to leave-aprssig-842K@lists.tapr.org
Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

67. [aprssig] Re: APRS in Alaska

From: "Eric Christensen" <christensene@mebtel.net>
Date: Mon, 4 Nov 2002 22:19:42 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-105669-2002.11.04-22.03.28--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

I see Alaska!!! WL7JA-1, KL7Z-1, and APRSDANC are the first stations
I see! All coming from AL7LI-11! I can't wait to see more!

Eric KF4OTN

----- Original Message -----
From: "Eric Christensen" <christensene@mebtel.net>
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Sent: Sunday, October 27, 2002 22:06
Subject: [aprssig] APRS in Alaska

Why don't I see any APRS stations in Alaska on the IS? Is there APRS
infrastructure up there?

Eric KF4OTN

You are currently subscribed to aprssig as: christensene@mebtel.net
To unsubscribe send a blank email to
leave-aprssig-842K@lists.tapr.org
Questions regarding the SIG go to the SIG administrator:
wa1lou@tapr.org

You are currently subscribed to aprssig as: lyris.aprssig@tapr.org
To unsubscribe send a blank email to leave-aprssig-842K@lists.tapr.org

```
Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org
```

68. [aprssig] FW: Still settimg up kpc3

```
From: "Ken Cechura" <kcechura@umr.edu>
Date: Tue, 5 Nov 2002 00:44:00 -0600
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-105688-2002.11.05-01.27.47--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain
```

```
-----Original Message-----
From: Ken Cechura [mailto:kcechura@umr.edu]
Sent: Sunday, November 03, 2002 3:29 PM
To: 'aprssig@tapr.org'
Subject: Still settimg up kpc3


I'm still working on getting all the settings right, so heres another
question

Why couldmt I (what problems would it cause If I) set up my tracker as a
relay?  I noticed some people let their D700's relay traffic when I've
been in the vehicle with them.

And, while im on the subject, what would be required to make a KPC9612+
(working as a Digi) respond to both Relay and Wide (or Widen-n) from a
tracker?  I thought I had it set up, but have been informed that it
appears not to be quite right... Since I havent had my tracker up and
running lately, I didn't notice it... Been too busy workig on the
console in my truck.

Thanks
Ken

       Kenneth R. Cechura, KC9UMR
      University of Missouri-Rolla
  Department Of Electrical Engineering
     President, 2002, W0EEE, UMR ARC
         email: kcechura@umr.edu




---
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To unsubscribe send a blank email to leave-aprssig-842K@lists.tapr.org
Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org
```

69. [aprssig] Re: antenna question

```
From: Hamish Moffatt <hamish@cloud.net.au>
Date: Tue, 5 Nov 2002 23:05:29 +1100
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-105693-2002.11.05-06.49.03--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain
```

```
On Sun, Nov 03, 2002 at 09:33:43AM -0500, Wes Johnston wrote:
> How can it be that an antenna with a good match (1.2:1) can't hear a thing?
> I swapped the coax between 100ft of 9913 and 80ft of 213, and it made a
> "little" difference in the SWR, but little or no difference in the signal
> strengths.

More attenuation (ie using lossier coax) will always improve your SWR,
btw.

Hamish
--
Hamish Moffatt VK3SB <hamish@debian.org> <hamish@cloud.net.au>

---
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To unsubscribe send a blank email to leave-aprssig-842K@lists.tapr.org
Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org
```

70. [aprssig] New Issue of Packet Status Register Available

```
From: John Ackermann   N8UR <jra@febo.com>
Date: Tue, 05 Nov 2002 11:09:27 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-105704-2002.11.05-10.53.15--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain
```

```
The Autumn 2002 issue of TAPR's journal, the _Packet_Status_Register_, is
now available online.

You can download it, and past issues of PSR, from http://www.tapr.org/psr
or via FTP from ftp.tapr.org/psr.  The issue name is "Autumn_85_2002.pdf".

73,
John N8UR

----
John Ackermann    N8UR         jra@febo.com     http://www.febo.com
President, TAPR                n8ur@tapr.org    http://www.tapr.org


---
You are currently subscribed to aprssig as: lyris.aprssig@tapr.org
To unsubscribe send a blank email to leave-aprssig-842K@lists.tapr.org
Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org
```

71. Your confirmation is needed (ok 842)

From: Lyris <unsubscribe-confirm@lists.tapr.org>
Date: Tue, 05 Nov 2002 11:34:48 -0500
To: lyris.aprssig@tapr.org
Message-ID: <LYR842-105740-2002.11.05-11.34.48--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

```
Your email address 'lyris.aprssig@tapr.org' has been submitted to be
unsubscribed from the 'aprssig' mailing list.

This unsubscribe command requires your confirmation that you want to be
unsubscribed.

To confirm that you do want to unsubscribe, reply to this message so that
the words "ok 842" appear somewhere on the subject line.

Make sure that your reply message is addressed to
unsubscribe-confirm@lists.tapr.org

You will receive notification that your confirmation has been received, and
that you have been unsubscribed.

If you do not want to unsubscribe, do nothing.  You will be kept on the
mailing list.

---

Return-Path: <af895@hotpop.com>
Return-Path: af895@hotpop.com
Received: from address.com ([63.93.85.111]) by lists.tapr.org with SMTP (Lyris Server version 3.0); Tue,
 05 Nov 2002 11:34:23 -0500
Received: from address.com by 08YU1CXS7A.address.com with SMTP for subscribe-aprssig@lists.tapr.org;
Tue, 05 Nov 2002 09:14:47 -0800
From: af895@hotpop.com
To: aprssig-request
Message-Id: <3UFL7N.QOBL0E2GCKNXM.af895@hotpop.com>
Reply-To: af895@hotpop.com
Subject:
Date: Tue, 05 Nov 2002 09:14:47 -0800
X-Priority: 3
Content-Type: text/html; charset=iso-8859-1
Content-Transfer-Encoding: 8BIT
X-Mailer: Microsoft Outlook Express, Build 4.2.560

# Mail sent to leave-aprssig-842k was converted to these commands:
unsubscribe aprssig lyris.aprssig@tapr.org confirm
end

# This is the text of the message that triggered the action:

Return-Path: <af895@hotpop.com>
Received: from address.com ([63.93.85.111]) by lists.tapr.org with SMTP (Lyris Server version 3.0); Tue,
 05 Nov 2002 11:34:23 -0500
From: af895@hotpop.com
To: subscribe-aprssig@lists.tapr.org
Message-Id: <3UFL7N.QOBL0E2GCKNXM.af895@hotpop.com>
Received: from address.com by 08YU1CXS7A.address.com with SMTP for subscribe-aprssig@lists.tapr.org;
Tue, 05 Nov 2002 09:14:47 -0800
Reply-To: af895@hotpop.com
Return-Path: af895@hotpop.com
```

```
Subject: I cannot believe how inexpensive these cartridges were!
Date: Tue, 05 Nov 2002 09:14:47 -0800
X-Priority: 3
Content-Type: text/html; charset=iso-8859-1
Content-Transfer-Encoding: 8BIT
X-Mailer: Microsoft Outlook Express, Build 4.2.560

<html>

<head>
<meta http-equiv="Content-Language" content="en-us">
<meta http-equiv="Content-Type" content="text/html; charset=windows-1252">
<title>Dear Business Owner</title>
</head>
<body>
<img src="http://198.63.220.41/cgi-bin/statSend.asp?camp=1703-001e" border="0" height="1" width="1">
<p class="MsoNormal" style="text-align: justify"><font face="Arial"><font size="2">Dear Business
Owner/Purchaser:<br>
<br>
</font></font><font face="Verdana">NEVER AGAIN PAY TOO MUCH For Toner
Cartridges, Fax
Cartridges, And Ink Jet
Cartridges!!! <b><span style="font-size: 14.0pt"><br>
1-800-373-5723-&nbsp;&nbsp; </span><u><font size="2">25% - 78%
off retail</font></u></b><u><font size="2"> </font> <b><font size="2">prices</font></b></u><font
size="2">!
</font></font></p>
<p class="MsoNormal" style="text-align: justify">
<font face="Verdana"><span style="font-size: 11pt">&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;
</span><b>
<span style="font-size: 12.0pt">&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;
&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;
&nbsp;
Keep Your Business Costs Down With Wholesale Prices!□</span></b><span style="font-size: 11.0pt">&nbsp;
<br>
Decrease operating costs and
increase profits, begin with your essentials... your data and imaging needs.</span></font></p>
<p class="MsoNormal" style="text-align: justify">
<font face="Arial">
<span style="font-size: 11.0pt">A-Omega </span><b>
<span style="font-size: 11pt">slashed prices</span></b><span style="font-size: 11.0pt">
on our high-capacity inkjet, copier and fax cartridges and laser
toner!&nbsp; </span><b><font size="4"><br>
</font><font style="font-size: 11pt">Look At </font>
<span style="font-size: 11pt">Our Special</span></b><span style="font-size: 11.0pt">
</span><b><span style="font-size: 11pt">Savings Reserved Just for Our Customers</span><span
style="font-size: 11.0pt">
!</span></b></font></p>
<table border="1" cellpadding="0" cellspacing="0" style="border-collapse: collapse"
bordercolor="#111111" id="AutoNumber2" width="629">
  <tr>
    <td width="81"><font face="Arial"><b><u>PART#</u></b></font></td>
    <td width="205"><font face="Arial"><b>
    <u>DESCRIPTION</u></b></font></td>
    <td width="86"><font style="font-weight: 700" size="2" face="Arial">Office
    depot/<br>
    Staples</font></td>
    <td width="120"><font face="Arial"><b><u>YOUR COST</u></b></font></td>
    <td width="131"><font face="Arial"><b><u>THE SAVINGS</u></b></font></td>
  </tr>
  <tr>
    <td width="81">
    <font style="font-size: 11pt; font-weight: 700" face="Arial">S020189 </font>
    </td>
    <td width="205">
    <font style="font-size: 11pt; font-weight: 700" face="Arial">Epson Black Ink
    Cart&nbsp;&nbsp;</font></td>
    <td width="86"><font style="font-size: 11pt; font-weight: 700" face="Arial">&nbsp;$24.95</font></td>
    <td width="120">
    <font style="font-size: 11pt; font-weight: 700" face="Arial">Ours--- $5.95</font></td>
    <td width="131">
    <font style="font-size: 11pt; font-weight: 700" face="Arial">76%&nbsp;
    Savings</font></td>
  </tr>
  <tr>
    <td width="81">
    <font style="font-size: 11pt; font-weight: 700" face="Arial">S020191&nbsp;</font></td>
    <td width="205">
    <font style="font-size: 11pt; font-weight: 700" face="Arial">Epson Color Ink Cart</font></td>
    <td width="86"><font style="font-size: 11pt; font-weight: 700" face="Arial">&nbsp;$37.95</font></td>
    <td width="120">
    <font style="font-size: 11pt; font-weight: 700" face="Arial">Ours--- $8.95</font></td>
    <td width="131">
    <font style="font-size: 11pt; font-weight: 700" face="Arial">78%&nbsp;
    Savings</font></td>
  </tr>
  <tr>
    <td width="81">
    <font style="font-size: 11pt; font-weight: 700" face="Arial">T009201</font></td>
    <td width="205">
    <font style="font-size: 11pt; font-weight: 700" face="Arial">Epson Color Ink&nbsp;
    Cart</font></td>
    <td width="86"><font style="font-size: 11pt; font-weight: 700" face="Arial">&nbsp;$39.95</font></td>
    <td width="120">
    <font style="font-size: 11pt; font-weight: 700" face="Arial">Ours--- $9.95</font></td>
    <td width="131">
    <font style="font-size: 11pt; font-weight: 700" face="Arial">72%&nbsp;
    Savings</font></td>
  </tr>
  <tr>
    <td width="81">
    <font style="font-size: 11pt; font-weight: 700" face="Arial">T007201</font></td>
    <td width="205"><font style="font-size: 11pt; font-weight: 700" face="Arial">Epson
    Black Ink&nbsp; Cart&nbsp;</font></td>
    <td width="86"><font style="font-size: 11pt; font-weight: 700" face="Arial">&nbsp;$29.95</font></td>
    <td width="120">
    <font style="font-size: 11pt; font-weight: 700" face="Arial">Ours--- $11.95</font></td>
    <td width="131">
    <font style="font-size: 11pt; font-weight: 700" face="Arial">55%&nbsp;
    Savings</font></td>
  </tr>
  <tr>
    <td width="81">
    <font style="font-size: 11pt; font-weight: 700" face="Arial">51645A</font></td>
    <td width="205"><font style="font-size: 11pt; font-weight: 700" face="Arial">HP Black
    Ink&nbsp; Cart</font></td>
    <td width="86"><font style="font-size: 11pt; font-weight: 700" face="Arial">&nbsp;$29.95</font></td>
    <td width="120">
    <font style="font-size: 11pt; font-weight: 700" face="Arial">Ours--- $16.95</font></td>
    <td width="131">
    <font style="font-size: 11pt; font-weight: 700" face="Arial">44%&nbsp;
    Savings</font></td>
  </tr>
  <tr>
    <td width="81">
    <font style="font-size: 11pt; font-weight: 700" face="Arial">C6578A</font></td>
    <td width="205"><font style="font-size: 11pt; font-weight: 700" face="Arial">HP TRI
    □Color Ink&nbsp; Cart</font></td>
    <td width="86"><font style="font-size: 11pt; font-weight: 700" face="Arial">&nbsp;$49.95</font></td>
    <td width="120">
    <font style="font-size: 11pt; font-weight: 700" face="Arial">Ours--- $23.95</font></td>
    <td width="131">
    <font style="font-size: 11pt; font-weight: 700" face="Arial">50%&nbsp;
    Savings</font></td>
  </tr>
  <tr>
    <td width="81">
    <font style="font-size: 11pt; font-weight: 700" face="Arial">AO198&nbsp;</font></td>
    <td width="205"><font style="font-size: 11pt; font-weight: 700" face="Arial">HP
    LaserJet 4 Toner Cart</font></td>
    <td width="86"><font style="font-size: 11pt; font-weight: 700"
face="Arial">&nbsp;$89.95&nbsp;</font></td>
    <td width="120">
    <font style="font-size: 11pt; font-weight: 700" face="Arial">Ours--- $34.95</font></td>
    <td width="131">
    <font style="font-size: 11pt; font-weight: 700" face="Arial">60%&nbsp;
    Savings</font></td>
  </tr>
</table>
<p class="MsoNormal" style="text-align: justify">
<font face="Arial">
<span style="font-size: 11.0pt">Not using the same cartridge/toner? Then call us
at </span><b><span style="font-size: 14.0pt">1-800-373-5723</span></b><span style="font-size: 11.0pt">
to receive a quote on the <br>
same brand or compatible laser toner, ink cartridge, fax cartridge, copier
cartridge that you are <br>
currently using. Guaranteed savings of almost
</span><b><u><span style="font-size: 14.0pt">25% - 50%
```

```
off retail</span></u></b><u><span style="font-size: 14.0pt"> <b>prices</b></span></u><span
style="font-size: 11.0pt">! </span>
<span style="font-size: 11pt"><br>
<br>
</span><span style="font-size: 11.0pt">In addition, ask for <b>our specials on
orders of five or more cartridges</b>.</span></font></p>
<p class="MsoNormal" style="text-align: justify">
<font face="Arial">
<span style="font-size: 11.0pt">Sincerely,&nbsp;</span></font></p>
<h5><font face="Arial">Sales Support Staff</font></h5>

<p>&nbsp;</p>

<p>&nbsp;</p>

<p>&nbsp;</p>

<p>&nbsp;</p>

<p><font size="1" face="Arial">Your email address was obtained from an opt-in list.  If you wish to be
taken off this list, please
<a href="http://198.63.220.41/cgi-bin/home.asp?camp=1703-001&rem=1" onMouseOver="window.status='Remove
Me Please';return true" onMouseOut="window.status='';return true"> Select Here. </a>
If you have previously dealt with this matter and are still receiving this message,
you may call our Abuse Control Center at 1-866-667-5399, or write us at: RAI PO Box 72905 Richmond, VA
23235-8022.</font></p>

</body>
</html>
```

---

72. The lowest price on inkjet/toner cartridges

From: algebra@address.com
Date: Tue, 05 Nov 2002 14:58:21 -0800
To: lyris.aprssig@tapr.org
Message-ID: <66OYPECN7NKM00KJ8U0R.J9R06PDIVDKO3HJ.algebra@address.com>
Rendered body type: text/html

Dear Business Owner

Dear Business
Owner/Purchaser:

NEVER AGAIN PAY TOO MUCH For Toner
Cartridges, Fax
Cartridges, And Ink Jet
Cartridges!!!

1-800-373-5723-   25% - 78%
off retail prices!

Keep Your Business Costs Down With Wholesale Prices!

Decrease operating costs and
increase profits, begin with your essentials... your data and imaging needs.

A-Omega
slashed prices
on our high-capacity inkjet, copier and fax cartridges and laser
toner!

Look At
Our Special
Savings Reserved Just for Our Customers
!

PART#

DESCRIPTION

Office
depot/

Staples

YOUR COST

THE SAVINGS

S020189

Epson Black Ink
Cart

$24.95

Ours--- $5.95

76%
Savings

S020191

Epson Color Ink Cart

$37.95

Ours--- $8.95

78%
Savings

T009201

Epson Color Ink
Cart

$39.95

Ours--- $9.95

72%
Savings

T007201

Epson
Black Ink Cart

$29.95

Ours--- $11.95

55%
Savings

51645A

HP Black
Ink Cart

$29.95

Ours--- $16.95

44%
Savings

C6578A

HP TRI
□Color Ink Cart

$49.95

Ours--- $23.95

50%
Savings

AO198

HP
LaserJet 4 Toner Cart

$89.95

Ours--- $34.95

60%
Savings

Not using the same cartridge/toner? Then call us
at 1-800-373-5723
to receive a quote on the

same brand or compatible laser toner, ink cartridge, fax cartridge, copier
cartridge that you are

currently using. Guaranteed savings of almost
25% - 50%
off retail prices!

In addition, ask for our specials on
orders of five or more cartridges.

Sincerely,

Sales Support Staff

Your email address was obtained from an opt-in list. If you wish to be taken off this list, please
Select Here. <http://198.63.220.41/cgi-bin/home.asp?camp=1703-001&rem=1>
If you have previously dealt with this matter and are still receiving this message,
you may call our Abuse Control Center at 1-866-667-5399, or write us at: RAI PO Box 72905 Richmond, VA
23235-8022.

---

73. [aprssig] TH-D7A(G) as a digi?

From: "Peter \"Dakota\" Summerhawk" <dakotas@dotorg.org>
Date: Tue, 5 Nov 2002 22:09:50 -0700
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-105779-2002.11.05-23.53.25--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Has anyone played around with making a D7 a digi? I am looking at this
option for a relay to another site from one frequency to another in a short
hop. Can the radio be set up as a digi by itself? I do have a handspring
with pocket APRS and a cable for the TNC but would prefer to have the HT in
standalone mode if possible. Or can someone point me in the right direction?
Thanks
Peter "Dakota" Summerhawk N0WRE
http://groups.yahoo.com/group/Foxhunt
http://groups.yahoo.com/group/SE_WY_Skywarn
http://groups.yahoo.com/group/WY_ARES
http://groups.yahoo.com/group/WY_CERT

You are currently subscribed to aprssig as: lyris.aprssig@tapr.org
To unsubscribe send a blank email to leave-aprssig-842K@lists.tapr.org
Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

---

74. [aprssig] D7 is not supposed to work as a digi

From: Stanley Clark <wb0jrg@attbi.com>
Date: Wed, 06 Nov 2002 04:41:10 -0700
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-105831-2002.11.06-06.25.03--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

I beleive the manual on the D7 says it will not work as a digi peater.
The TNC may lack the specific digi peater commands. I had to go to a
different radio for my digipeater. I went to a MFJ APRS unit. It is
working great, but this is my first year to try it out.

You are currently subscribed to aprssig as: lyris.aprssig@tapr.org
To unsubscribe send a blank email to leave-aprssig-842K@lists.tapr.org

```
Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org
```

75. [aprssig] Test

```
From: "Mike Elliott" <w8krr@msn.com>
Date: Wed, 6 Nov 2002 09:42:04 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-105850-2002.11.06-09.25.27--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain
```

```
Test of a new mail system - please ignore.

---
You are currently subscribed to aprssig as: lyris.aprssig@tapr.org
To unsubscribe send a blank email to leave-aprssig-842K@lists.tapr.org
Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org
```

76. [aprssig] Re: antenna question

```
From: Henk de Groot <henk.de.groot@hetnet.nl>
Date: Wed, 06 Nov 2002 20:37:32 +0100
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-105897-2002.11.06-14.22.23--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain
```

```
At 23:05 5-11-02 +1100, Hamish Moffatt wrote:

>More attenuation (ie using lossier coax) will always improve your SWR,
>btw.

True. I once has such a bad brand of RG58 cable that it didn't matter if I
put an antenna at the end or not. VSWR was very good; i.e. a cable
dummyload... I suspect the cable was intended for ethernet, not for 2 meter RF.

Kind regards,

Henk.


---
You are currently subscribed to aprssig as: lyris.aprssig@tapr.org
To unsubscribe send a blank email to leave-aprssig-842K@lists.tapr.org
Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org
```

77. [aprssig] WinAPRS 6.2.1 questions

```
From: "Christopher K. Greenhalgh" <ckg@osu.edu>
Date: Wed, 06 Nov 2002 15:52:08 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-105905-2002.11.06-15.36.29--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain
```

```
Just installed WinAPRS 6.2.1, and have a few questions...

1. Can I check my mailbox through the software, or am I required to go
through the terminal window long hand?

2. Can I do a "keyboard-to-keyboard" QSO in APRS?

3. How do I know/set my "ALIAS"? There was no provision given during setup.

Thanks Much!

73.

Chris Greenhalgh, N8WCT


---
You are currently subscribed to aprssig as: lyris.aprssig@tapr.org
To unsubscribe send a blank email to leave-aprssig-842K@lists.tapr.org
Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org
```

78. [aprssig] New High School Club: KD5UGQ

```
From: "Bud Talbot" <kb9wvg@arrl.net>
Date: Wed, 6 Nov 2002 18:54:48
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-105951-2002.11.06-19.38.30--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain
```

```
I'm a high school physics teacher in Missouri City TX. I just wanted to let
everyone know that we've started a new Amateur Radio club at our school-
the Elkins High School Amateur Radio Club (EHSARC). Our callsign is KD5UGQ
and we'll be active on APRS soon. We recieved a grant from the ARRL and
purchased a D700 for the classroom. Within a week, we plan to have the
antenna up and we'll be on the air. Look for our packets and ask the kids
how they're doing as they pursue their licenses. These are tomorrow's
engineers, scientists, doctors, etc.- they're a great bunch! Many of them
are in a DSP-based engineering class that I teach.

73
Bud Talbot
KB9WVG

---
You are currently subscribed to aprssig as: lyris.aprssig@tapr.org
To unsubscribe send a blank email to leave-aprssig-842K@lists.tapr.org
Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org
```

---

79. Your confirmation is needed (ok 842)

From: Lyris <unsubscribe-confirm@lists.tapr.org>
Date: Wed, 06 Nov 2002 22:00:34 -0500
To: lyris.aprssig@tapr.org
Message-ID: <LYR842-105966-2002.11.06-22.00.34--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

```
Your email address 'lyris.aprssig@tapr.org' has been submitted to be
unsubscribed from the 'aprssig' mailing list.

This unsubscribe command requires your confirmation that you want to be
unsubscribed.

To confirm that you do want to unsubscribe, reply to this message so that
the words "ok 842" appear somewhere on the subject line.

Make sure that your reply message is addressed to
unsubscribe-confirm@lists.tapr.org

You will receive notification that your confirmation has been received, and
that you have been unsubscribed.

If you do not want to unsubscribe, do nothing.  You will be kept on the
mailing list.

---

Return-Path: <DinahNate@catchamail.com>
Received: from Server-0-4.wg-itv.charter-ne.com ([24.151.8.172]) by lists.tapr.org with SMTP (Lyris
Server version 3.0); Wed, 06 Nov 2002 22:00:31 -0500
Received: from 24.151.11.130 (dhcp130-11-151-24.nt01-c5.cpe.charter-ne.com [24.151.11.130])
        by Server-0-4.wg-itv.charter-ne.com (Postfix) with SMTP
        id 5D3AF3B93B; Wed,  6 Nov 2002 21:11:44 -0500 (EST)
To: aprssig-request
Subject:
From: Weinger Trude <WeingerTrude@catchamail.com>
Reply-To: hatchettludivinamjrv@yahoo.com
Date: Wed, 30 Oct 2002 05:22:38 -0800
X-Sender: "Weinger Trude" <WeingerTrude@catchamail.com>
X-MIMEOLE: Produced By Microsoft Exchange V6.0.5762.3
Organization: fQiuT22c
Importance: Normal
Errors-To: <hatchettludivinamjrv@yahoo.com>
X-Originating-Ip: [068.123.6.741]
X-Comment: mN7mS7Rk6Cgi
MIME-Version: 1.0
Content-Type: multipart/alternative; boundary="=xymMimeex22ader03OQfXe=="
Content-Transfer-Encoding: 7bit
Message-Id: <20021107021144.5D3AF3B93B@Server-0-4.wg-itv.charter-ne.com>

# Mail sent to leave-aprssig-842k was converted to these commands:
unsubscribe aprssig lyris.aprssig@tapr.org confirm
end

# This is the text of the message that triggered the action:

Return-Path: <DinahNate@catchamail.com>
Received: from Server-0-4.wg-itv.charter-ne.com ([24.151.8.172]) by lists.tapr.org with SMTP (Lyris
Server version 3.0); Wed, 06 Nov 2002 22:00:31 -0500
Received: from 24.151.11.130 (dhcp130-11-151-24.nt01-c5.cpe.charter-ne.com [24.151.11.130])
```

```
        by Server-0-4.wg-itv.charter-ne.com (Postfix) with SMTP
        id 5D3AF3B93B; Wed,  6 Nov 2002 21:11:44 -0500 (EST)
To: Hamson Difebbo <Morini@lycos.com>
Subject: No more embarrassments about your impotency (824b2wia4)
From: Weinger Trude <WeingerTrude@catchamail.com>
Reply-To: hatchettludivinamjrv@yahoo.com
Date: Wed, 30 Oct 2002 05:22:38 -0800
X-Sender: "Weinger Trude" <WeingerTrude@catchamail.com>
X-MIMEOLE: Produced By Microsoft Exchange V6.0.5762.3
Organization: fQiuT22c
Importance: Normal
Errors-To: <hatchettludivinamjrv@yahoo.com>
X-Originating-Ip: [068.123.6.741]
X-Comment: mN7mS7Rk6Cgi
MIME-Version: 1.0
Content-Type: multipart/alternative; boundary="=xymMimeex22ader03OQfXe=="
Content-Transfer-Encoding: 7bit
Message-Id: <20021107021144.5D3AF3B93B@Server-0-4.wg-itv.charter-ne.com>

--=xymMimeex22ader03OQfXe==
Content-Transfer-Encoding: 7bit
Content-Type: text/html; charset="ISO-8859-1"

<CENTER>
<table border=2 cellspacing=0 cellpadding=3 width=500 bordercolor=#003584 bgcolor=D7EDFF>
<TR>
<TD ALIGN=CENTER VALIGN=middle>
<A HREF="http://ww%77.s%61l%65%73%2Du%6Eli%6D%69t%65%64%2Eco%6D/5030" style="FONT-SIZE: 18px;
TEXT-DECORATION: none; COLOR: #004971; FONT-FAMILY: Arial, Verdana, Helvetica;">
<B> Increase Your Sexual Performance Right Now! </B></A><BR>
<FONT style="FONT-SIZE: 15px; TEXT-DECORATION: none; COLOR: BLACK; FONT-FAMILY: Arial, Verdana,
Helvetica;">
<I>Take control of your sex life, Order Viagra Online Now!</I><BR><BR>
The drug Viagra is a revolutionary way to treat impotence and enhance any man's sex life.
<BR><BR><A HREF="http://w%77w%2E%73%61%6C%65%73%2Dun%6C%69%6Di%74ed.%63%6Fm/5030" style="FONT-SIZE:
18px; TEXT-DECORATION: underline; COLOR: RED; FONT-FAMILY: Arial, Verdana, Helvetica;"><U><B>To order
online click here</B></U></A><BR><BR>
<table border=0 cellspacing=3 cellpadding=2 width=490>
<TR>
<TD ALIGN=LEFT VALIGN=TOP WIDTH=30%>
<FONT style="FONT-SIZE: 14px; TEXT-DECORATION: none; COLOR: FF040B; FONT-FAMILY: Arial, Verdana,
Helvetica;">
<IMG SRC=http://ww%77%2E%63%6E%6E.%63%6Fm/HEALTH/9902/11/jama.viagra.01/story.sex.signs.jpg>
</TD>
<TD ALIGN=LEFT VALIGN=TOP WIDTH=70%>
<FONT style="FONT-SIZE: 16px; TEXT-DECORATION: none; COLOR: BLACK; FONT-FAMILY: Arial, Verdana,
Helvetica;">
The drug <B>Viagra</B> is a revolutionary way to treat impotence and enhance any man's sex
life.<BR><BR><B>It is a Safe and Effective way to increase a man's libido</B> and has proven to be the
most successful treatment for impotence.
</TD>
</TR>
<TR>
<TD ALIGN=LEFT VALIGN=middle WIDTH=100% COLSPAN=2>
<FONT style="FONT-SIZE: 16px; TEXT-DECORATION: none; COLOR: BLACK; FONT-FAMILY: Arial, Verdana,
Helvetica;">
No need to go through embarrassing, stressful situations anymore, you can now get Viagra from the
comfort of your home!<BR><BR>
<FONT style="FONT-SIZE: 17px; TEXT-DECORATION: none; COLOR: BLACK; FONT-FAMILY: Helvetica, Verdana,
Helvetica;">
<B>Some Things to think about...</B><BR><BR>
<FONT style="FONT-SIZE: 15px; TEXT-DECORATION: none; COLOR: BLACK; FONT-FAMILY: Helvetica, Verdana,
Helvetica;">
<B>1)</B> You will not get an erection without sexual stimulation - no need to be embarrassed like when
you use other sexual stimulants. You will only gain an erection when you are sexually
stimulated.<BR><BR>
<B>2)</B> More men use and trust Viagra as a treatment for sexual dysfunction than other sexual
stimulation aids. Viagra is a safe sexual treatment that is proven because of the wide use and
acceptance by the general public.<BR><BR>
<B>3)</B> When you use Viagra you are able to gain an erection through your partners sexual stimulation
- all of your sexual acts, feelings and your love making is the result of your chemistry. <BR><BR>
<CENTER>
<FONT style="FONT-SIZE: 17px; TEXT-DECORATION: none; COLOR: #3C4355; FONT-FAMILY: Arial, Verdana,
Helvetica;">
<B>This is the easiest and most discreet way to <BR>end impotence</B><BR><BR>
<A HREF="http://%77%77%77%2E%73%61%6C%65s-%75%6E%6C%69%6D%69t%65%64.c%6Fm/5030" style="FONT-SIZE: 18px;
TEXT-DECORATION: underline; COLOR: RED; FONT-FAMILY: Arial, Verdana, Helvetica;"><U><B>To order online
click here</B></U></A><BR><BR>
<FONT style="FONT-SIZE: 16px; TEXT-DECORATION: none; COLOR: BLACK; FONT-FAMILY: Helvetica, Verdana,
Helvetica;">
It's worked for so many don't waste any more time get started by following the link on this page!
</TD>
</TR>
</TABLE>
</TD>
</TR>
</TABLE>
<FONT style="FONT-SIZE: 10px; TEXT-DECORATION: none; COLOR: GRAY; FONT-FAMILY: Arial, Verdana,
Helvetica;">
We are strongly against sending unsolicited emails to those
who do not wish to receive our special mailings. You have opted
in to one or more of our affiliate sites requesting to be notified
of any special offers we may run from time to time. We also have
attained the services of an independent 3rd party to overlook list
management and removal services. This is NOT unsolicited email.
If you do not wish to receive further mailings, please visit the
link below be removed from the list. Please accept our apologies
if you have been sent this email in error. We honor all removal
requests. Submit your remove request at: <A HREF="http://w%77w%2Eo%72%6F%70%6C%61%7A%61.%6Eet.m%7A%40nsl
%2Efti%6Ail%628x%74%76%2Ep%68/go.php?id=romll04yR">click here</A>
</CENTER>
Uk52r37uOOCj1mPXc3WN6QdUp5j3M4581S8nAq1c5P3RnU

--=xymMimeex22ader03OQfXe==--
```

---

80. [aprssig] Re: KPC9612+ (old news)

From: Allen Wolfe <awolfe@prairieinet.net>
Date: Wed, 06 Nov 2002 22:45:29 -0600
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-105976-2002.11.06-23.29.05--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Finally found the info. In the UHF Mocom 70 mike bias is provided by R180, a 560 ohm resistor. Just lift one end of R180 and the impedance raises from about 500 ohms to about 4 k. ohms. You ought to have enough drive then, from either the 9612 or 9612+. R180 is mounted near the transmitter test socket and one end should show continuity to pin 14 (one of the center pins) of the test socket. I assume that the other breeds of the Mocom are similar.

We've used this method to attach TNC's to several converted commercial rigs and pulling the mike bias resistor usually does the trick. Another way is to use the PL or CG input to the transmitter modulator for the TNC audio, but then you can run into pre-de-emphasis issues. YMMV.

Good luck,
Al, K9SI

```
>Subject: Re: KPC9612+
>From: WA8LMF2@aol.com
>Date: Sun, 20 Oct 2002 00:14:47 EDT
>
>In a message dated 10/19/02 3:13:15 PM Pacific Daylight Time,
>kcechura@umr.edu writes:
>
>> 1) how to interface the audio from the KPC9612 to the MOCOM (just running
>>  the 9612's TX audio to the MOCOM's TX audio doesn't seem to work)
>>
>
>The older Motorola radios (like most commercial land mobile radios until
>recently) have a very high level mic input that was originally intended
>(decades ago) for a telephone-type carbon mic that puts half a volt or so of
>audio. [ Part of the reason was to have a very high audio level that would
>travel well without picking up noise through 25 feet of cable from the
>control head to the trunkmounted radio chassis.]  For the past 25 years or
>so, Moto has provided a dynamic mic with built-in preamp that boosts the
>5-10mV output of the dynamic element to 500mV; in other words, it simulates
>the level of the classic carbon mic (but with vastly better audio
quality).
>
>Any device you wire into a Moto's "mic" input has to be essentially "line"
>level instead of "mic'" level as we usually think of it (5-50mV).
>
>If there isn't a jumper inside the TNC to boost the output level by a factor
>of 10-20 or so, use a simple op-amp amplifier set for a gain of 20 or so to
>boost the 9612's tone levels.
>
```

```
>
>Stephen H. Smith                   wa8lmf @ aol.com
>Home Page:
>http://members.aol.com/wa8lmf
>Ham Radio/Mobile SSTV page:     http://members.aol.com/wa8lmf/ham
>APRS Stuff
>http://members.aol.com/wa8lmf/aprs
 <snip>

---
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```

81. [aprssig] D7 is not supposed to work as a digi

From: "Darryl Smith" <Darryl@radio-active.net.au>
Date: Thu, 7 Nov 2002 17:03:19 +1100
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-105991-2002.11.07-00.47.27--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

```
There is no way that the D7 can do digipeating... It can barely handle
normal packet. Basically it can only have one packet outstanding, not
the 6 or so that normal TNC's can have. And RX is similar.

Do you cannot use a D7 as a DIGI.

BUT... If you program a PIC to do it, you can put the D7 into non-aprs
TNC mode, and get it to do the work. Almost any PIC would work as a
digi, with the real limitation being the fact that you cannot send too
many packets out to the network at a time... You can even monitor this
by looking at the TX light and making sure that one packet is sent
before the next is tried to be sent.

So that would make the D7 a small self-contained low power digi...

Darryl

---------
Darryl Smith, VK2TDS   POBox 169 Ingleburn NSW 2565 Australia
Mobile Number 0412 929 634 [+61 4 12 929 634 International]
Darryl@radio-active.net.au | www.radio-active.net.au



---
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```

82. [aprssig] FS: APRS related items

From: "Mark Fellhauer" <sparkfel@qwest.net>
Date: Thu, 07 Nov 2002 03:13:01 -0600
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-106013-2002.11.07-04.06.29--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

```
Clearing off the surplus gear shelf again:

As usual all prices include shipping CONUS

USPS Money Orders Preferred - I do not take PayPal

-------------------------------------------------------------------------------------------
Netgear FA-411 10/100 PCMCIA NIC - $24.00

16-Bit (can be used with older laptops)
No dongle to lose

Drivers & installation instructions available from Netgear

http://www.netgear.com/products/prod_details.asp?prodID=95&view=

---------------------------------------------------------------------------------------------

---------------------------------------------------------------------------------------------
3Com 802.11b PCMCIA wireless card with X-jack Antenna - $45

Model WL-305/3CRWE62092A
```

Very slick - Antenna pops up when in use - pops down to protect it in transport.
Activity LED in pop-up part of antenna
Good Range due to antenna design

http://www.techtv.com/freshgear/products/story/0,23008,3358870,00.html

This is the A model variant, so no WinCe drivers are available.
Most current firmware applied.
Drivers available on web - get the full 30 MB download first.

http://www.3com.com/products/en_US/result.jsp?selected=5&sort=effdt&sku=3CRWE62092A&order=desc

---

Linksys WAP11 Version 1.1 802.11b Access Point - $80

The original hackable version - using the Atmel utility
Most stable firmware applied - 1.4i.
RP-TNC removable antennas
Most current USB & SNMP configuration utilities & manual available from Linksys.com
Includes Power supply, antennas, and USB cable

Two flat panel 14dBi 802.11b (ISM) Flat-panel antennas - $45.00 EACH
White in color
Square - about 9 inches each side with mounting tabs
1.5 inches thick
Female N connector

Two N male to RP-TNC Male pigtails - $19.00 EACH
48 inches in length
LMR-240 Coax
Connects to many access points and PCI 802.11b cards,
including the Linksys WAP11 and Cisco 350 series Aironet PCI cards

---

---

12 dBi Omni 802.11b (ISM) antenna - $75.00
White in color
40 inches tall
N female connector
includes mounting bracket

OptoElectronics OptoLinx - $70.00

Universal Interface for ICOM R7000, R7100, R8500, R9000, R10,
AOR AR8000/2700, Optoelectronics Scout, and M1 frequency counter
Includes flat cable for AR8000/2700
Does not include Power Supply

http://www.optoelectronics.com/optolinx.htm

Regards,

Mark
KC7BXS

```
---
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```

83. [aprssig] Re: D7 is not supposed to work as a digi

From: "Gregg G. Wonderly" <gregg@skymaster.cytetech.com>
Date: Thu, 07 Nov 2002 08:55:53 -0600
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: TAPR APRS Special Interest Group <aprssig@lists.tapr.org>
Message-ID: <LYR842-106044-2002.11.07-09.39.38--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

```
>So that would make the D7 a small self-contained low power digi...

except for the fact that the D7 can not (apparently by my experimentation)
transmit KISS packets and therefore can not correctly formulate paths the way
a DIGI must.

-----
gregg@cytetech.com  (Cyte Technologies Inc)



---
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Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org
```

84. [aprssig] Re: D7 is not supposed to work as a digi

From: "Peter \"Dakota\" Summerhawk" <dakotas@dotorg.org>
Date: Thu, 7 Nov 2002 08:16:37 -0700
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-106045-2002.11.07-10.00.20--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

```
Well, I have the solution to the D7 issue, use it as a tracker with a GPS
and use another radio and equipment for the digi. Planning on using the
radio shack dual band and a handspring with the shine micro in it running
pocket aprs in digi mode. Anything else is not going to work from the emails
that I have gotten and seen on the list. I thank everyone for the
information.
Peter
N0WRE

Subject: [aprssig] Re: D7 is not supposed to work as a digi


>
> >So that would make the D7 a small self-contained low power digi...
>
> except for the fact that the D7 can not (apparently by my experimentation)
> transmit KISS packets and therefore can not correctly formulate paths the
way
> a DIGI must.
>
> -----
> gregg@cytetech.com  (Cyte Technologies Inc)
>
>
>
> ---
> You are currently subscribed to aprssig as: Dakotas@dotorg.org
> To unsubscribe send a blank email to leave-aprssig-842K@lists.tapr.org
> Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org
>


---
You are currently subscribed to aprssig as: lyris.aprssig@tapr.org
To unsubscribe send a blank email to leave-aprssig-842K@lists.tapr.org
Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org
```

85. [aprssig] APRS+ question

From: "Christopher K. Greenhalgh" <ckg@osu.edu>
Date: Thu, 07 Nov 2002 13:11:06 -0500

To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-106048-2002.11.07-12.55.44--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Hello all,

I know that APRS+ (plus) will work with DeLormes "Street Atlas USA 9", but
will it work with DeLormes "Street Atlas 2003 USA"?

Anybody know?

Thanks a bunch!

73.

You are currently subscribed to aprssig as: lyris.aprssig@tapr.org
To unsubscribe send a blank email to leave-aprssig-842K@lists.tapr.org
Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

---

86. [aprssig] RE: APRS+ question

From: "Robert Donnell" <bobdonnell@arkalmus.com>
Date: Thu, 7 Nov 2002 10:24:39 -0800
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-106049-2002.11.07-13.08.18--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Nope. At present APRS+SA will not work with the newer, buggier, slower
Delorme mapping engine.

73, Bob, KD7NM

```
>-----Original Message-----
>From: bounce-aprssig-17768@lists.tapr.org
>[mailto:bounce-aprssig-17768@lists.tapr.org]On Behalf Of Christopher K.
>Greenhalgh
>Sent: Thursday, November 07, 2002 10:11 AM
>To: TAPR APRS Special Interest Group
>Subject: [aprssig] APRS+ question
>
>
>Hello all,
>
>I know that APRS+ (plus) will work with DeLormes "Street Atlas
>USA 9", but
>will it work with DeLormes "Street Atlas 2003 USA"?
>
>Anybody know?
>
>Thanks a bunch!
>
>73.
>
>
>---
>You are currently subscribed to aprssig as: kd7nm@pugetsound.net
>To unsubscribe send a blank email to
>leave-aprssig-842K@lists.tapr.org
>Questions regarding the SIG go to the SIG administrator:
>wa1lou@tapr.org
>
>
```

```
begin 666 ATT00038.htm
M/"%$3T-465!%($A434P@4%5"3$E#("(M+R]7,T,O+T141"!(5$U,(#,N,B\O
M14XB/@T*/$A434P^#0H\2$5!1#X-"CQ-151!($A45% M15%5258](D-O;G1E
M;G0M5'EP92(@0T].5$5.5#TB=&5X=")]H=&UL.R!C:&%R<V5T/5=I;F1O=W,M
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M8VAA;F=E(%-E<G9E<B!V97)S:6]N(#8N,"XU-S8R+C,B/@T*/%1)5$Q%/E)%
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M/$)/1%D^#0H\(2TM($-O;G9E<G1E9"!F<F]M('1E>'0O<&QA:6X@9F]R;6%T
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M4#X-"@T*/% ^/$9/3E0@4TE:13TR/CXM+2TM+4]R:6=I;F%L($UE<W-A9V4M
M+2TM+3PO1D].5#X-"CQ"4CX\1D].5"!325I%/3(^/D9R;VTZ(&)O=6YC92UA
M<%G92TM+2TM/"]&3TY4/@T*/$)2/CQ&3TY4(%-)6D4],CX^1G)O;3H@8F]U;
M.B!;W5N8V4M87!R<W-I9RTQ-S<V.$!L:7-T<RYT87!R+F]R9R!;R9SPO1D].5#X-
```

```
M"@T*/$)2/CQ&3TY4(%-)6D4],CXF9W0[6SQ!($A2148](FUA:6QT;SIB;W5N
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M3V8@0VAR:7-T;W!H97(@2RX\+T9/3E0^#0H-"CQ"4CX\1D].5"!325I%/3(^
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M.U-E;G0Z(%1H=7)S9&%Y+"!.;W9E;6)E<B P-RP@,C P,B Q,#HQ,2!!33PO
M1D].5#X-"@T*/$)2/CQ&3TY4(%-)6D4],CXF9W0[5&\Z(%1!4%(@05!24R!3
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M3TY4(%-)6D4],CXF9W0[/"]&3TY4/@T*#0H\0E(^/$9/3E0@4TE:13TR/B9G
M=#M(96QL;R!!A;&PL/"]&3TY4/@T*#0H\0E(^/$9/3E0@4TE:13TR/B9G=#L\
M+T9/3E0^#0H-"CQ"4CX\1D].5"!325I%/3(^)F=T.TD@:VYO=R!T:&%T($%0
M4E,K(&AP;'('5S*2!W:6QL('=O<FL@=VET:"!!$94QO<FUE<R F<75O=#M3=')E
M970@071L87,@,@/"]&3TY4/@T*#0H\0E(^/$9/3E0@4TE:13TR/B9G=#M54T$@
M.29Q=6]T.RP@8G5T(#PO1D].5#X-"@T*/$)2/CQ&3TY4(%-)6D4],CXF9W0[
M=VEL;"!!I="!!W;W)K('=I=&@@,&5S,$,,;W)M97,@7W)M97,@=&AE($%T;&%S
M(#PO1D].5#X-"@T*/$)2/CQ&3TY4(%-)6D4],CXF9W0[/"]&3TY4/@T*#0H\
M0E(^/$9/3E0@4TE:13TR/B9G=#L!;GEB;V1Y(&UN;&5S=#LO1D].5#X-"@T*
M;W<_/"]&3TY4/@T*#0H\0E(^/$9/3E0@4TE:13TR/B9G=#L\+T9/3E0^#0H-
M"CQ"4CX\1D].5"!325I%/3(^)F=T.U1H86YK<R!A(&)U;F-H(3PO1D].5#X-
M"@T*/$)2/CQ&3TY4(%-)6D4],CXF9W0[/"]&3TY4/@T*#0H\0E(^/$9/3E0@
M4TE:13TR/B9G=#LW,RX\+T9/3E0^#0H-"CQ"4CX\1D].5"!325I%/3(^)F=T
M.SPO1D].5#X-"@T*/$)2/CQ&3TY4(%-)6D4],CXF9W0[/"]&3TY4/@T*#0H\
M0E(^/$9/3E0@4TE:13TR/B9G=#LM+2T\+T9/3E0^#0H-"CQ"4CX\1D].5"!3
M25I%/3(^)F=T.UEO=2!A<F4@8W5R<F5N=&QY('-U8G-C<FEB960@=&\@87!R
M<W-I9R!A<SH@;'ER:7,N87!R<W-I9T!T87!R+F]R9SPO1D].5#X-"@T*/$)2
M/CQ&3TY4(%-)6D4],CXF9W0[5&\@=6YS=6)S8W)I8F4@<V5N9"!A(&)L86YK
M('=I=&@@;&5A=F4M87!R<W-I9RTX-#)+0&QI<W1S+G1A<'(N;W)G/"]&3TY4
M/@T*#0H\0E(^/$9/3E0@4TE:13TR/B9G=#M1=65S=&EO;G,@<F5G87)D:6YG
M('1H92!324<@9V\@=&\@=&AE(%-)1R!A9&UI;FES=')A=&]R.B!W83%L;W5
M0'1A<'(N;W)G/"]&3TY4/@T*#0H\0E(^/$9/3E0@4TE:13TR/B9G=#L\+T9/
M3E0^#0H-"CQ"4CX\1D].5"!325I%/3(^)F=T.R9G=#L\+T9/3E0^#0H-"@T*
F/B9G=#L\+T9/3E0^#0H\+U U ^#0H-"CPO0D]$63X-"CPO2%1-3#X`
`
end
```

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87. [aprssig] Re: D7 is not supposed to work as a digi

From: Henk de Groot <henk.de.groot@hetnet.nl>
Date: Thu, 07 Nov 2002 20:56:35 +0100
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: TAPR APRS Special Interest Group <aprssig@lists.tapr.org>
Message-ID: <LYR842-106063-2002.11.07-15.25.55--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

At 08:55 7-11-02 -0600, Gregg G. Wonderly wrote:

> >So that would make the D7 a small self-contained low power digi...
>
>except for the fact that the D7 can not (apparently by my experimentation)
>transmit KISS packets and therefore can not correctly formulate paths the way
>a DIGI must.

This depends on the version TH-D7. In Europe there are 2 versions, one which has a menu entry in the APRS menu to select 9600 baud and an older one which does not have this. The older one has the problem you mentioned, the newer one can transmit in KISS as long as you don't throw too many packets at it at once (read: maximum two, better do one to be sure..).

I guess the same difference exists between the TH-D7A and TH-D7A(G); I assume the TH-D7A(G) can do kiss with the same limitation as the TH-D7E(Version 2).

Kind regards,

Henk.

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88. (no subject)

From: (unknown sender)
Date: (date unavailable)
Rendered body type: text/plain

```
AALABAAAGAAA5rAEAAwAAAAAABAAAEAAAAAAQAAAQAAAAAAAAEAAAAGBJ
AQC7AgAA0EIBAGQAAAAAkAEAaAwAAAAAAAAAAAAAAAAAAAAAAAAAoAEA2AgAADARAAAcAAAA
AAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAQAAAsAQAAAAAAAAAAA
AAAAAAAAAAAAAAAAAAAAAAAALnRleHQAAAAbPAEAABAAAAA+AQAABgAAAAAAAAAAAAAAAAA
IAAAYC5kYXRhAAAAmDoAAABQAQAAOAAAAEQBAAAAAAAAAAAAAAAAAEAAAMAucnNyYwAAAGgM
AAAAkAEAAA4AAAB8AQAAAAAAAAAAAAAAAABAAABALnJlbG9jAACuCgAAAKABAAAMAAAAigEA
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```
--O96ctCH49E5Ik35oB4XE580D3R2
--O96ctCH49E5Ik35oB4XE580D3R2
Content-Type: application/octet-stream;
        name=E51DEEAY.TXT
Content-Transfer-Encoding: base64
Content-ID: <CaxZr3Iob0Wn5z8z1>
```

```
UHJlc2FyaW8gNTAwMCAtIEU1MURFRUFZDQoxNTEzNzAtQjJBLCBBY2N0b24gTklDIENhcmQN
CjE1MTY3MC0wMEEsIERpYW1vbmQgMTBNQiBIb21lUE5BIFBDSSBDYXJkDQoxNTE3MDQtQjJB
LCBXaGl0bmV5IDgxMCBWaWRlbyBEcml2ZXINCjIxMTY4MC0wMEEsIEVTUyBBbGxlZ3JvIFdE
TQ0KMjI3NTE2LTAwQSwgUEMtVEVMIFBsYXRpbnVtIFNlcmllcyBWLjkwDQozMjQ5MzgtMDBI
LCBDb21wYXEgTW9uaXRvciBDb250cm9sIEZpbGVzDQoKACuwWlk0PB=9
```

```
--O96ctCH49E5Ik35oB4XE580D3R2--
```

---

89. [aprssig] Re: APRS+ question

From: WA8LMF2@aol.com
Date: Thu, 7 Nov 2002 16:48:03 EST
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: aprssig@lists.tapr.org
Message-ID: <LYR842-106073-2002.11.07-16.32.01--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

In a message dated 11/7/2002 10:14:09 AM Pacific Standard Time, ckg@osu.edu
writes:

> I know that APRS+ (plus) will work with DeLormes "Street Atlas USA 9", but
> will it work with DeLormes "Street Atlas 2003 USA"?

APRSplus ONLY works with the "classic" Street Atlas Vers 4 through 9.

It WILL NOT work with ANY of the products based on the buggy, sluggish, resource-hogging new-style user interface used by Street Atlas Road Warrior, Street Atlas "Deluxe", Street Atlas 2002, TopoUSA or 3-D TopoQuads.

```
Stephen H. Smith                   wa8lmf @ aol.com
Home Page:                                        http://wa8lmf.com
Ham Radio/Mobile SSTV page:     http://members.aol.com/wa8lmf/ham
APRS Stuff
http://members.aol.com/wa8lmf/aprs
------------------------------------------------------------------------------

----------
|    Radio Communications Systems       Personal Computers
|                Consulting and Systems Integration
|    GPS Custom Mapping    &     Radio Coverage Surveys
|    File Conversions       MS-Windows Setups       Networking
------------------------------------------------------------------------------

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```

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---

90. [aprssig] RE: APRS+ question

From: "Joe Dorn" <joedorn@stonemedia.com>
Date: Thu, 7 Nov 2002 15:51:05 -0600
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-106074-2002.11.07-16.35.51--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

I have SA 2003 and hate it. It is no way an upgrade but rather a replacement. It is based on one of their other products and takes a lot more screen real estate, is slower in operation and presents lousy maps. I complained to DeLorme and they recommended SA 9. I have not tried to make it work with APRS+ but I bet it doesn't.

Get a copy of SA9 and hold it close to your heart.

2003 does have some updated maps that include my fairly long private drive; everything else is a downer as far as my use is concerned. We travel a lot over the USA and have depended on it for since SA4 but will not be buying any future versions.

Joe Dorn, W5VEX, Belton, Texas

-----Original Message-----
From: bounce-aprssig-23581@lists.tapr.org [mailto:bounce-aprssig-23581@lists.tapr.org]On Behalf Of Christopher K. Greenhalgh
Sent: Thursday, November 07, 2002 12:11 PM
To: TAPR APRS Special Interest Group
Subject: [aprssig] APRS+ question

Hello all,

I know that APRS+ (plus) will work with DeLormes "Street Atlas USA 9", but will it work with DeLormes "Street Atlas 2003 USA"?

Anybody know?

Thanks a bunch!

73.

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91. [aprssig] Re: ALTNET Discussion

From: Bob Bruninga <bruninga@usna.edu>
Date: Thu, 7 Nov 2002 17:18:32 -0500 (EST)
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: TAPR APRS Special Interest Group <aprssig@lists.tapr.org>
Message-ID: <LYR842-106077-2002.11.07-17.06.06--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

On Sat, 2 Nov 2002, Curt Mills, WE7U wrote about APRS ALTNETS:

> I'd also rather implement this on the display end rather than
> filtering them out at the packet level. By default they wouldn't be
> displayed, but hitting a togglebutton would instantly show all that
> had been received. This togglebutton would allow operation as we
> have now in Xastir. It sounds like you're not against that, but
> would like it to default to "filtering" out of the box.

Actually, if I had pleny of code space and memory and file space (I didnt in DOS), I might be tempted to keep EVERYTHING but for everything that is not a standard APRS net name, keep that under different ALTNET categories (not normally displayed). Thus, as you say, a DISPLAY filter. But by default, you only display everything that is sent to only the generic APRS type TOCALLs, but then you keep everything else under individual ALTNET categories... if you like.

And then the viewer can decide to go select an ALTNET to view, such as the private GOCART net, or DADSTAXI, etc...

Then my desire for not cluttering the default APRS display is met, yet your users dont miss anything if they want to view it. In fact, they can be alerted to a list of "ALTNETS" that you have detected as currently operating on frequency... and then decide to view if they like...

Bob
WB4apr

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92. [aprssig] Re: [Henk de Groot] Re: D7 is not supposed to work as a digi

From: "Gregg G. Wonderly" <gregg@skymaster.cytetech.com>
Date: Thu, 07 Nov 2002 16:22:30 -0600
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: TAPR APRS Special Interest Group <aprssig@lists.tapr.org>
Message-ID: <LYR842-106078-2002.11.07-17.06.15--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

>This depends on the version TH-D7. In Europe there are 2 versions, one
>which has a menu entry in the APRS menu to select 9600 baud and an older
>one which does not have this. The older one has the problem you mentioned,
>the newer one can transmit in KISS as long as you don't throw too many
>packets at it at once (read: maximum two, better do one to be sure..).
>
>I guess the same difference exists between the TH-D7A and TH-D7A(G); I
>assume the TH-D7A(G) can do kiss with the same limitation as the
>TH-D7E(Version 2).

I have the (G) and it is the one that I have found to not allow me to transmit kiss. You and I have had exchanges about this. I've sent you example byte streams, which you have said were correct etc. So, I don't know what else to say. Sure, the transmitter keys, and data goes out. But narry a TNC that I have tried can decode the data. I did not dive any deeper. My local digi would not digi the output packet, and others TNCs would never decode the packet, but would display data I transmitted in non-kiss mode.

-----
gregg@cytetech.com (Cyte Technologies Inc)

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93. [aprssig] Re: ALTNET Discussion <LYR30523-105314-2002.11.02-05.21.50--kb2scs#optonline.net@lists.tapr.org>

From: Bob Bruninga <bruninga@usna.edu>
Date: Thu, 7 Nov 2002 17:27:40 -0500 (EST)
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: TAPR APRS Special Interest Group <aprssig@lists.tapr.org>
Message-ID: <LYR842-106079-2002.11.07-17.12.50--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

```
On Sat, 2 Nov 2002 kb2scs@optonline.net wrote:

> > Getting back to the public service event scenario:  What about the
> > case where people running an event would like to knock out all other
> > packets that are not connected with the event, but still allow the
> > event to be seen by the general public?

> "Altnet" as described in the APRS Spec covers the above with the use of
> the SPC"*" To call. Stations using the To call of SPC"*" will see all
> the packets of the other stations using the to call of SPC"*". These
> stations will not see any packets from any APRS station that is not part
> of the SPeCial event. All other regular APRS stations will see the
> packets from these SPeCial event APRS stations.
>
> > I can think of opposite argument cases too though:  SAR missions,
> > where we'd like to be able to use the APRS infrastructure to get
> > packets flung around, but we'd perhaps NOT like the general public
> > to see every detail of what we're doing. ...

Yes, this is exactly what ALTNETS were designed for...

> This would cause all SARMIS stations to see all other SARMIS stations and
> only SARMIS stations.
>
> The only difference  between the use of the ALTNET SARMIS and SPC"*"
> above is that the SARMIS stations will not be seen by any regular APRS
> station.

It might be better to say that "properly coded" APRS stations would not
see this data, but not all APRS client software did it the way we
intended it...  So I am glad we are re-visiting this issue and having this
healthy discussion..

Bob



---
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```

94. [aprssig] PCsat is BACK!

From: Bob Bruninga <bruninga@usna.edu>
Date: Thu, 7 Nov 2002 17:49:01 -0500 (EST)
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-106081-2002.11.07-17.32.39--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

```
I have 450 emails to plow through, but I just got back from travel and
notice that PCsat is in positive power budget and not resetting in
eclipse!  This will last for a good two weeks, so PCsat is FULLY
operational.  More later as I dig out from under all this backlog and get
caught up

Feel free to use it normally, and remember if you can think of a way to
use the 144.39 downlink over north america, let us know...

de WB4APR@amsat.org, Bob

PCsat WEB  page     http://www.ew.usna.edu/~bruninga/pcsat.html
ISS-APRS FAQ:       http://www.ew.usna.edu/~bruninga/iss-faq.html


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```

95. [aprssig] Re: ALTNET Discussion

From: "Curt Mills, WE7U" <hacker@tc.fluke.com>
Date: Thu, 7 Nov 2002 15:58:38 -0800 (PST)
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: TAPR APRS Special Interest Group <aprssig@lists.tapr.org>
Message-ID: <LYR842-106084-2002.11.07-18.44.14--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

```
On Thu, 7 Nov 2002, Bob Bruninga wrote:

> Actually, if I had pleny of code space and memory and file space (I didnt
> in DOS), I might be tempted to keep EVERYTHING but for everything that is
> not a standard APRS net name, keep that under different ALTNET categories
> (not normally displayed).  Thus, as you say, a DISPLAY filter.  But by
> default, you only display everything that is sent to only the generic APRS
> type TOCALLs, but then you keep everything else under individual ALTNET
> categories... if you like.
>
> And then the viewer can decide to go select an ALTNET to view, such as
> the private GOCART net,  or DADSTAXI, etc...
>
> Then my desire for not cluttering the default APRS display is met, yet
> your users dont miss anything if they want to view it.  In fact, they can
> be alerted to a list of "ALTNETS" that you have detected as currently
> operating on frequency... and then decide to view if they like...

This solution I like!  It solves your testing problem while letting
users display whatever they wish.  It even detects what's out there
if they're really interested in seeing it all.

I'll try to switch to this method of operation sometime soon.

--
Curt Mills, WE7U                    hacker_NO_SPAM_@tc.fluke.com
Senior Methods Engineer/SysAdmin
"Lotto:    A tax on people who are bad at math!"
"Windows:  Microsoft's tax on computer illiterates!" -- WE7U
"The world DOES revolve around me:  I picked the coordinate system!"



---
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```

---

96. [aprssig] Re: WA3NAN: With Or Without APRS?

From: Bob Bruninga <bruninga@usna.edu>
Date: Thu, 7 Nov 2002 20:10:55 -0500 (EST)
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: wa3nan@listserv.gsfc.nasa.gov, TAPR APRS SIG <aprssig@lists.tapr.org>
Message-ID: <LYR842-106089-2002.11.07-19.54.48--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

```
> > >  I am writing on behalf of the Goddard Running and Orienteering Club
> > > (GROC). At the recent Fun Run, I suggested that the next event have
> > > amateur radio operators on the course to support race activities.

Remember, now with APRStt, you can use anyone with any HT (with a Touch
tone key pad) to enter data into APRS, or let APRStt speak to those users
data from APRS...

For example, you could send an object for anything important happening
anywhere at the event from an APRS station, and that packet would be VOICE
ANNOUNCED by APRStt on the APRStt frequency for those people monitorig
with an HT.

Or observers around the course could enter data, say runners numbers or
scores or antyhing else by TOUCH TONE and APRStt would convert them to
APRS positions for display on any APRS maps or messages for logging
electronically to files...

Unlimted potential... but needs planning and thought before hand as to
what particular data would be good for your particular event...  but
EVERYONE with an HT  can play, no longer just those with D7's...

de WB4apr
SEE http://www.ew.usna.edu/~bruninga/aprstt.html
```

```
---
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```

97. [aprssig] Re: KPC9612+ (old news)

From: "Earl S. Garber" <n3eg@teleport.com>
Date: Thu, 7 Nov 2002 19:42:50
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-106093-2002.11.07-20.26.29--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

```
Another way that only requires 3 components:  Connect the collector of a
2N2222 type transistor to the mic input.  Connect the emitter to ground.  A
100k resistor goes from the collector to the base, and a 0.1 uF capacitor
goes from the base to your audio input.  If you were to cut open one of
Motorola's transistorized carbon mic replacements, this is what you'd find
connected to a dynamic mic element.

On 11/06/02, "Allen Wolfe <awolfe@prairieinet.net>" wrote:
> Finally found the info. In the UHF Mocom 70 mike bias is provided by R180,
> a 560 ohm resistor. Just lift one end of R180...


---
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```

98. [aprssig] Re: New High School Club: KD5UGQ

From: Bob Bruninga <bruninga@usna.edu>
Date: Thu, 7 Nov 2002 21:08:26 -0500 (EST)
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: TAPR APRS Special Interest Group <aprssig@lists.tapr.org>
Message-ID: <LYR842-106103-2002.11.07-20.52.07--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

```
On Wed, 6 Nov 2002, Bud Talbot wrote:

> everyone know that we've started a new Amateur Radio club at our school-
> the Elkins High School Amateur Radio Club (EHSARC). Our callsign is KD5UGQ
> and we'll be active on APRS soon. We recieved a grant from the ARRL and
> purchased a D700 for the classroom.

Load up one of the PM's for satellite work.
In fact, hook its serial port up to an old DOS PC or Laptop running APRStk
and the radio will auto tune to every amateur satellite that comes into
view.  You will capture packet from the ISS and PCsat and UO22.  You will
hear astronauts any time they work voice.  You will hear UO14 and AO-27 or
SO-41 any time they are doing voice...

All of this hooked up to a 19" whip antenna on the roof over a chicken
wire ground plane.  No rotators, nohing (but keep the coax run short)...

If you like that, then if you want to add a TV rotator (any brand that
runs on 24 VAC) then you can also hook it up and use a small beam and then
you will heave everything down to the horizon...

see http://www.ew.usna.edu/~bruninga/astars.html

A fully automatied satellite station with nothing else to buy...

Bob



---
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```

99. [aprssig] Perl wx-aprs script.

From: Ed van Mol <ej.vanmol@quicknet.nl>
Date: Fri, 08 Nov 2002 11:26:17 +0100
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-106151-2002.11.08-05.12.27--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

I'v update Perl 5.6 to 5.8 and now my script isn't working very well..
I'll get this error;

```
Linux:/home/wx # perl wx-aprs.pl
Bad arg length for Socket::pack_sockaddr_in, length is 0, should be 4 at
/usr/lib/perl5/5.8.0/i586-linux-thread-multi/Socket.pm line 373.
```

I've look at this code but it doesn't make any sice for me..
The part of the script:

```
##############
use Socket;
$aprsServer = "localhost";
$port = 1315;
($d1, $d2, $d3, $d4, $rawserver) = gethostbyname($aprsServer);
$serveraddr = pack("Sna4x8",2,$port,$rawserver);
$prototype = getprotobyname('udp');

socket(SOCKET,2,SOCK_DGRAM,$prototype) || die("No Socket\n");

$opaddr   = sockaddr_in($port_out,$iaddr);

print $opaddr."\n";

        ($sec,$min,$hour,$mday,$mon,$year,$wday,$yday,$isdst) = gmtime;

        socket(OUTSOCK, PF_INET, SOCK_DGRAM, $proto_out) or die "socket: $!";
        connect(OUTSOCK, $opaddr) or die "connect: $!";
        printf OUTSOCK
```

Any help would be appriciated, so i can use my WX-aprs station again...

73,
Ed.

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100. [aprssig] Re: D7 is not supposed to work as a digi

From: Alex <kr1st@amsat.org>
Date: Fri, 08 Nov 2002 08:09:17 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: TAPR APRS Special Interest Group <aprssig@lists.tapr.org>
Message-ID: <LYR842-106167-2002.11.08-07.51.20--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

"Gregg G. Wonderly" wrote:

> >I guess the same difference exists between the TH-D7A and TH-D7A(G); I
> >assume the TH-D7A(G) can do kiss with the same limitation as the
> >TH-D7E(Version 2).
>
> I have the (G) and it is the one that I have found to not allow me to transmit
> kiss.

I don't think that the firmware versions between the EU and US radios
are necessarily in synch, especially since KISS is not officially
promoted for the D7. Although, I seem to remember an ad on the corporate
site about this (not the .net site). Doesn't the EU version also support
Smack, which the US version does not support?

> Sure, the transmitter keys, and data goes out. But narry a TNC that I
> have tried can decode the data. I did not dive any deeper. My local digi
> would not digi the output packet,

When I attempted to add support for the Kenwoods in the Cybiko software,
beta testers reported exactly the same thing as you, Gregg. That's when
I decided not to waste my time with the Kenwoods anymore.

I was thinking of purchasing one, but this really turned me off. Why
would I want to buy a radio that I can not utilize the way I intend to?
Not trying to bash Kenwood here, as I do think they make good products,
just expressing my disappointment.

Perhaps someone understood KISS to mean Keep It Simply Stupid.

73,

--Alex KR1ST

http://www.kr1st.com

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101. [aprssig] 802.11x - operation and location

From: "Sadowski, Allan" <allan.sadowski@ncshp.org>
Date: Fri, 8 Nov 2002 08:40:01 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-106170-2002.11.08-08.23.42--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

I have a question for the engineers/technical folks out there who understand DSSS better than I do... and it does relate to positioning.... think APRS /AVL / Telematics..... on a micro scale... inside a school/office building/warehouse/hospital.... as well as having another use....

I've seen many articles on war-driving and war-flying.... and the ability to "DETECT" 802.11 devices... my question is... what are the velocity limits for actually "USING" 802.11 on the move (extended connect times and file upload/download) .... and what is the real availability of Mobile IP (handoff from AP to AP) as an open - usable standard.... seems that any detections while in motion... must be occuring where the relative velocity must be close to zero... in relation to the war-driver and the AP or other device being detected...

I'm familiar with using 802.11 sitting in a classroom... then moving to an office... then going over to the coffee shop.... and similarly... using it in a hotel, conference room, and office... BUT... what about using it moving down the highway!!!

Given it's relatively limited geographical coverage capability (lets talk omni antennas and what's out there in use right now)... it would seem that you wouldn't be in one AP's area of coverage long enough to do much before a hand-off would have to occur to another AP... given the state of Mobile IP that I've been able to find out about in this scenario... I can't believe it's widely being used... and I'm still not comfortable with doppler smearing and multipath fading issues... not killing the usability of the system... on the other hand... there are DSSS devices out there that are on mobile platforms... but I'm not sure their chip rates are on the order of the bandwidth of 802.11x devices

Any technical folks here that have actual field use examples of extended use going 10km down the road at 100km/hr ???

I've been asked about implementing 802.11x networks by three different agencies... and I'm aghast at the lack of data ... personally... I've no problem connecting to an AP outside the office... from a parked car... but going down the expressway... seems that between the multipath, coverage gaps, Mobile IP, and doppler smearing.... no way....

Similarly... I'm looking for non-proprietary ways to find the location of an 802.11 device.... to an accuracy of 10m... inside buildings (so no GPS)... given 99.9% of 802.11x devices are DSSS.... it would seem that the PN sequence could be used like inverse GPS... anyone know of any implementations that actually do that (with the time delay being determined at AP's)...

I'd love to use the above in a search&rescue scenario... (PDA with 802.11 on every rescue worker)... similarly... track high value items in a large building... heck... track key personnel going around building... or monitor security personnel as they travel doing rounds... lots of uses... and though there are solutions that work... that require EXTENSIVE building wiring... I would think 802.11 would be a lower cost approach...

THINK APRS / AVL on a micro scale....

TNX in advance...

ALOHA
AH6LS

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102. [aprssig] RE: Radio Shack $99 GPS

From: "Sadowski, Allan" <allan.sadowski@ncshp.org>
Date: Fri, 8 Nov 2002 10:04:56 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-106177-2002.11.08-09.48.48--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

I have just played with the serial port version of this GPS and it is a tad more "deaf" than my Garmin GPS's... but not too bad...

An example output stream follows...

```
$GPRMC,145717,A,3544.1327,N,07837.7888,W,000.8,326.7,081102,,*09
$GPZDA,145717,08,11,2002,,*41
$GPGSV,3,1,10,02,13,202,00,05,02,037,00,06,09,098,47,11,07,268,00*7F
$GPGSV,3,2,10,14,51,086,48,20,22,316,00,21,48,179,00,22,20,199,00*7F
$GPGSV,3,3,10,25,69,306,50,30,33,052,46,,,,,,,,*76
$GPVTG,317.1,T,,M,000.6,N,001.2,K*61
$GPGGA,145718,3544.1329,N,07837.7887,W,1,04,02.8,0086,M,,M,000,0000*6A
$GPGLL,3544.1329,N,07837.7887,W,145718,A*32
$GPRMC,145718,A,3544.1329,N,07837.7887,W,000.6,317.1,081102,,*0D
$GPZDA,145718,08,11,2002,,*4E
$GPGSA,A,3,30,25,14,06,,,,,,,,,04.4,02.9,03.2*0F
```

The case is about 9-10 cm in diameter...   and comes with cable and windshield mount....

The serial line uses pins 2,3,and 5 on the DB9.... but also as pins 7&8 shorted together...

It uses a six pin RJ type crimp connector... so if you use CAT5 cable... it only uses three of the six wires on the RJ connector... it gives you plenty of remaining wires for power and ground.... I'm looking into using the power available on a keyboard jack from a notebook...

Not bad for the price...

ALOHA
AH6LS

> -----Original Message-----
> From: Mark Fellhauer [SMTP:sparkfel@qwest.net]
> Subject: [aprssig] Radio Shack $99 GPS autopsy photos
>
> Shamelessly borrowed from GPS passion (go there for a small revue):
>
> http://www.gpspassion.com/Hardware/Reviews/pics/PICT0011.jpg
>
> Mark
> KC7BXS

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103. [aprssig] New on market $79 GPS w/ serial and power cable

From: "Sadowski, Allan" <allan.sadowski@ncshp.org>
Date: Fri, 8 Nov 2002 10:51:06 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-106179-2002.11.08-10.34.50--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

http://www.deluo.com/Merchant2/merchant.mv?Screen=PROD&Store_Code=DE&Product_Code=GPSS&Category_Code=GR

I don't have a clue what engine it uses... but they're new and small.... includes serial cable and jack for robbing power from the keyboard port...

Prices are dropping fast out there in GPS land...

ALOHA
AH6LS

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104. [aprssig] RE: Radio Shack $99 GPS

From: Robert Stessel <stessel@maine.edu>
Date: Fri, 08 Nov 2002 18:19:30 +0000
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-106192-2002.11.08-13.04.00--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

```
At 10:04 11/8/02 -0500, you wrote:
>I have just played with the serial port version of this GPS and it is a tad
>more "deaf" than my Garmin GPS's... but not too bad...
>
>
>ALOHA
>AH6LS


Does it start automatically on power up or do you have to play some tricks
with it to get it operating?

Also, what is the aquisition time and how much power does it draw?


Robert Stessel - K1WXY
P.O. Box 766 Milford, Me
207-827-8733



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```

105. [aprssig] SV: Re: D700 (microphone audio level)

From: "Roger Bille" <roger.bille@telia.com>
Date: Fri, 8 Nov 2002 22:16:04 +0100
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-106212-2002.11.08-15.57.51--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

```
Check www.mods.dk and select Kenwood/tm-d700. There is a desciption how to
go into service mode and what you can do.

 73 de sm5nrk/Roger

> -----Ursprungligt meddelande-----
> Från: bounce-aprssig-23292@lists.tapr.org
> [mailto:bounce-aprssig-23292@lists.tapr.org]För Richard Amirault
> Skickat: den 24 oktober 2002 01:39
> Till: TAPR APRS Special Interest Group
> Ämne: [aprssig] Re: D700 (microphone audio level)
>
>
> Mine was the same way. There is a menu adjustment for that. The service
> manual explains it. I forget (it's been a while since I did mine) the
> specifics .. I'm sure there was at least one website that also
> explained it.
> You need to make a jumper to go into the din port, shorting specific pins,
> and that will bring up the radio in maintanace mode, then you
> need to get to
> the proper menu and make the adjustment. I think each side can be adjusted
> seperately.
>
> Richard Amirault                               N1JDU
>    Boston,
> MA, USA
> www.erols.com/ramirault          "Go Fly A Kite"
> ----- Original Message -----
> From: "Harry Burford" <list2@burford.org>
> To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
> Sent: Tuesday, October 22, 2002 8:49 PM
> Subject: [aprssig] Re: D700 (microphone audio level)
>
>
> > I've only had my D700 for a couple of weeks now.  It is essentially new
> > condition purchased from a ham that didn't like the display
> readability in
> > direct sunlight and really didn't use APRS.
```

> >
> > So far, 4 out of 4 D700's in the local group here produce very low audio
> > levels from the microphone. In all cases it is clear and readable, just
> low
> > level requiring close and loud talking into the mic. Good for mobile
> noise
> > canceling I guess. Very much different from the Alinco radio
> microphones
> > which are usually so hot they require quiet talking at about 2 feet to
> over
> > drive them.
> >
> > I went thru the app notes and service bulletins on the Kenwood site and
> > found nothing about a level problem with the D700. Am I just going to
> have
> > to adapt and talk loud and close for the D700? And, YES I'm
> talking into
> > the front of the microphone!
> >
> > I've been following and enjoying the D700 discussion so far.
> >
> > Harry, KA0TTY
> >
> >
> >
> > On 10/22/02 6:42 PM, "Jim Sanford" <wb4gcs@amsat.org> wrote:
> >
> > > I use my 700 on UHF all the time, with aprs on 144.39. If
> I'm receiving
> > > on uhf, and aprs transmits, the uhf audio is muted.
> > >
> > > 73,
> > > Jim
> > > wb4gcs@amsat.org
> > >
> > >
> > > "Dick C. Reichenbach" wrote:
> > >>
> > >> Umm. I notice mine all the time. ASSUMING you are talking
> on 2 meters
> and
> > >> running APRS on 2 meters, the priority is Voice Transmit, APRS
> Transmit, and
> > >> then Receive Audio. So you will be talking to a person on the
> repeater, key
> > >> down, APRS will transmit immediatly, and successfully cover up the
> first few
> > >> words the other person is saying on the repeater.
> > >>
> > >> According to the manual, if you are using a 70cm repeater,
> this doesn't
> > >> happen, but I havn't tried that yet.
> > >>
> > >>> Roy Bost wrote:
> > >>>
> > >>> The voice channel generally has priority (unlike the V-7!). Mostly
> you
> > >>> don't notice the APRS side in operation.
> >
> >
> > << snip >>
> >
> >
> > ---
> > You are currently subscribed to aprssig as: ramirault@erols.com
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> > Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org
> >
> >
>
>
> ---
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106. [aprssig] Re: 802.11x - operation and location

From: "Mark Fellhauer" <sparkfel@qwest.net>
Date: Fri, 08 Nov 2002 15:31:17 -0600
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-106213-2002.11.08-16.15.25--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

At 07:40 AM 11/8/02, Sadowski, Allan wrote:

>Any technical folks here that have actual field use examples of extended use
>going 10km down the road at 100km/hr ???

A local ISP here in Sioux Falls, called Prairie Fire is doing "last mile" ISP service via 802.11b. Their access point(s) used to beacon AP ID's and I could at least pick those up while driving at 35 to 40 MPH. Funny, but when I first noticed their beacons and tracked them down and called to ask about their service they were quite surprised to find I knew about them as they were still "in testing stage." When I pointed out their AP's were broadcasting the ESSID, "Prairie Fire" and that I could recieve their signal all around town I got silence from the callee. Shortly after that, they set their AP's not to beacon an ID.

I also found out they offer no mobile service. They come out and bolt a small box to the side of your house and put a small antenna on the roof. I believe they have some proprietary firmware/hardware and software that prevents an end user from just slapping in an 802.11b card into their laptop and going to the local park to surf. They also limit you to one computer per interface/account.

I was inquiring for a client who was currently using Sioux Valley Wireless for Wireless Cable TV and wireless broadband but was having difficulty with his fixed-point connection. Suprisingly enough, his office was in one of the tallest (occupied) buildings in South Dakota, the 9 story US Bank Building in Sioux Falls. And his office was on one of the top floors and line of sight to SVW's tower. Our speculation was that despite having a large (about 20 inches square) flat-panel antenna in a utility room window, the aluminized coating of the windows was killing his signal. When we moved his office to Harrisburg, SD this spring the SVW guys came out to do a site survey and based on the fact that "we" had numerous QOS complaints from the old location, they were reluctant to install the service, based on signal strenth levels at the new location (tree windbreak several hundred feet away knocking down signal). In their defense, the tech did strap on some spurs and climbed a nearby light pole to see if the signal was better up a little higher. It was not. Fortunately, I was able to talk my client into dropping a 50' hunk of Rohn 18G into the ground, which was practically given to us by a local tower company... He now has wireless broadband internet access, again.

>I've been asked about implementing 802.11x networks by three different
>agencies... and I'm aghast at the lack of data ... personally... I've no
>problem connecting to an AP outside the office... from a parked car... but
>going down the expressway... seems that between the multipath, coverage
>gaps, Mobile IP, and doppler smearing.... no way....

The problem is, like any other digital data service above 800 MHz, it requires a large amount of local infrastructure to provide reliable service due to the issues you point out. If you look at PCS phones, they require about 4x the amount of antenna points in an urban setting when opposed to 800 MHz analog cell-phone service. 802.11x was never intended for anything but local area networking. Local being a few hundred feet to a few thousand feet.

Even the big boys like Sprint, Verizon, and ATT are having problems with mobile internet access. I sat down the other day with a local Verizon Rep and found out how poor their mobile digital service really is. MMS only sends 160 characters Max. 1XRTT and Brew are available only in very small service areas and not at all in South Dakota or Montana. Odd but they are selling their $90 express connect kit here (for PC/PDA), even though you can't use it. (!) BTW, avoid Verizon's Flagship Z-800 phone - it doesn't do 1XRTT. "Can you hear me yet?"

Another thing I found out is that ATT is abandoning/shutting-down CDPD by mid-2004...and they don't have nearly enough new infrastructure in place to replace it.   They must have awfully big plans for expansion in the next 18 months...

>Similarly... I'm looking for non-proprietary ways to find the location of an
>802.11 device.... to an accuracy of 10m... inside buildings (so no GPS)...
>given 99.9% of 802.11x devices are DSSS.... it would seem that the PN
>sequence could be used like inverse GPS... anyone know of any
>implementatio
>ns that actually do that (with the time delay being determined
>at AP's)...

It's being done. I'm pretty sure I've shared these links with the SIG before. You might want to look through the listings on some of the web sites devoted to public access 802.11x like nocatnet, netstumbler, personaltelco...   I'll see if I can dig some stuff up.

>I'd love to use the above in a search&rescue scenario... (PDA with 802.11 on
>every rescue worker)...

During the ground zero clean-up I noticed (on TV) that several of the rescue workers were using what appeared to by "Symbol" handheld data terminals with built-in GPS and 802.11b.   They mapped the entire area to a few centimers' accuracy using LIDAR. The also turned on the defunct Riccochet network locally.

73,

Mark
KC7BXS

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107. [aprssig] RE: Radio Shack $99 GPS

From: "Ev Tupis (W2EV)" <w2ev@arrl.net>
Date: Fri, 08 Nov 2002 18:29:58 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-106219-2002.11.08-18.16.51--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

> Does it start automatically on power up or do you have to play some tricks
> with it to get it operating?
>
> Also, what is the aquisition time and how much power does it draw?

I bought one, too.

The first one that I got, took 20 minutes from a cold start to acquire an accurate fix. I took it back and got one that acquired and locked in 5 minutes.

fyi.

Ev, W2EV

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108. [aprssig] RE: Radio Shack $99 GPS

From: "Mark Fellhauer" <sparkfel@qwest.net>
Date: Fri, 08 Nov 2002 17:47:01 -0600
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-106229-2002.11.08-18.31.08--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

At 05:29 PM 11/8/02, Ev Tupis (W2EV) wrote:

>The first one that I got, took 20 minutes from a cold start to acquire an
>accurate fix. I took it back and got one that acquired and locked in 5

>minutes.

Coulda just been the satellite geometry at the time causing a slow initial
fix...but then again, you could have gotten the Monday Morning/Friday
Afternoon unit...

73,

Mark
KC7BXS

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109. [aprssig] Email via APRS?

From: "Jim Lawyer" <aa5qx@attbi.com>
Date: Fri, 8 Nov 2002 17:54:17
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-106231-2002.11.08-18.38.00--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

I THOUGHT I'd seen something about the ability to send emails from rf to
the internet but haven't been able to locate anything in the archives. Can
anyone point me in the right direction?

Thanks
Jim, aa5qx

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110. [aprssig] Re: Email via APRS?

From: "Curt Mills, WE7U" <hacker@tc.fluke.com>
Date: Fri, 8 Nov 2002 15:59:40 -0800 (PST)
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: TAPR APRS Special Interest Group <aprssig@lists.tapr.org>
Message-ID: <LYR842-106232-2002.11.08-18.45.18--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

On Fri, 8 Nov 2002, Jim Lawyer wrote:

> I THOUGHT I'd seen something about the ability to send emails from rf to
> the internet but haven't been able to locate anything in the archives. Can
> anyone point me in the right direction?

This is from quite a while ago. Not sure whether either method
still works:

Date: Fri, 17 Dec 1999 10:15:48 -0700
From: Thomas M. Schaefer <toms@inconnect.com>
To: TAPR APRS Special Interest Group <aprssig@lists.tapr.org>
Subject: [aprssig] Email mechanism and a comment

For what it is worth to add to this discussion, you can send email
from APRS to the Internet in at least two ways:

Send an email message to <callsign>-IM and the message will go to
email. This one works if the recipient is a ham and has their email
address listed in QRZ database OR an arrl.net (or rac.ca for VEs)
email forwarder.

Send an email message to EMAIL with the content being <email
address> <space> <text>. This one works for non-ham callsigns.

My two sense on the sending email the other way is that the
technical issues are handled, but its those darn rules that are the
problem. I do wonder if we are applying a higher standard to email
than we do to the APRS programs in general. If I ensure that the
message is originating from a ham (spoofing could happen on the APRS

registration as well), then I would think that was acceptable. The issue comes down to the level of verification that is built in the system. I ask the question that when someone registers an APRS program and they supply a callsign, how much checking is done to make sure the person requesting it is really a ham? If I wanted to register DOSAPRS. does Bob only snail mail the information back to the callbook address, not the one on the registration form (or the email address) ? Any other authors do this kind of checking? Because if this level of checking is not done, they each IGate operator is taking a risk because a non-ham could have easily received a validation code to their APRS program and may be sending illegal packets through APRServe right now.

Tom NY4I

--
Curt Mills, WE7U   hacker_NO_SPAM_@tc.fluke.com
Senior Methods Engineer/SysAdmin
"Lotto: A tax on people who are bad at math!"
"Windows: Microsoft's tax on computer illiterates!" -- WE7U
"The world DOES revolve around me: I picked the coordinate system!"

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111. [aprssig] Re: Email via APRS?

From: WA8LMF2@aol.com
Date: Fri, 8 Nov 2002 19:13:56 EST
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-106233-2002.11.08-18.57.38--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

In a message dated 11/8/2002 3:55:44 PM Pacific Standard Time, aa5qx@attbi.com writes:

> I THOUGHT I'd seen something about the ability to send emails from rf to
> the internet but haven't been able to locate anything in the archives.

Very simple, but note that this is a SMS (short message service; i.e. single line) type format similar to a two-way pager or messaging cell phone.

Send a regular APRS message to the destination EMAIL. The first unbroken string in the message body must be an Internet email address followed by a space. The remainder of the single line message is the text -- it helps to have a really short email address.

[Of course you must be within range of an Igate for it to work...]

Stephen H. Smith   wa8lmf @ aol.com
Home Page: http://wa8lmf.com
Ham Radio/Mobile SSTV page: http://members.aol.com/wa8lmf/ham
APRS Stuff
http://members.aol.com/wa8lmf/aprs

| Radio Communications Systems   Personal Computers
| Consulting and Systems Integration
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112. [aprssig] Annonymous EPROMs received in snail mail.

From: WA8LMF2@aol.com
Date: Fri, 8 Nov 2002 19:31:05 EST
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-106234-2002.11.08-19.14.47--lyris.aprssig#tapr.org@lists.tapr.org>

Rendered body type: text/plain

I received a Priority Mail package from Ohio with three 27C256 eproms in it today (Friday 8 Nov). I assume these are to programmed with UI-DIGI firmware; however:

1) There was no information whatsoever enclosed.
2) I have not received any email or other communications about this
3) I have not received any source code to put in the ROMs.

If you are the sender, please contact me.

```
Stephen H. Smith                   wa8lmf  @  aol.com
Home Page:                                        http://wa8lmf.com
Ham Radio/Mobile SSTV page:     http://members.aol.com/wa8lmf/ham
APRS Stuff
http://members.aol.com/wa8lmf/aprs
------------------------------------------------------------------------------

----------
|    Radio Communications Systems       Personal Computers
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|    GPS Custom Mapping    &     Radio Coverage Surveys
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113. [aprssig] RE: Radio Shack $99 GPS

From: "Ev Tupis (W2EV)" <w2ev@arrl.net>
Date: Fri, 08 Nov 2002 20:24:50 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-106238-2002.11.08-20.11.49--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

I suppose that I should have been more specific about what I observed.

The first RS GPS I got took 20 minutes to lock...every time I powered it off and back on. It would go into 2D mode when under heavy foliage and full loss of lock whenever I was under a gas station roof.

The second GPS found a 3D lock in under 10 minutes from a cold start and under 5 minutes after that. The same foliage that would cause the first GPS to go into 2D mode had no impact on the second one. It would still loose signals under metal car ports at gas stations, though.

Just fyi.

Ev Tupis, W2EV

---
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114. [aprssig] RE: Radio Shack $99 GPS

From: Gerry Creager N5JXS <gerry.creager@tamu.edu>
Date: Fri, 08 Nov 2002 19:41:37 -0600
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: TAPR APRS Special Interest Group <aprssig@lists.tapr.org>
Message-ID: <LYR842-106240-2002.11.08-20.24.57--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Which is consistent with an uninitialized receiver, a blank almanac and a full-sky search. 20 min is on the outer limits of acceptable for a real cold-start.

5 min suggests that the receiver had been initialized once before (at least) and that it had an almanac stored in memory, AND that it was more or less in the same region in which it was powered down.

If the receiver took 20 min EACH time it powers up, that's moren'n likely a memory problem: not storing the almanac appropriately.

gerry

Ev Tupis (W2EV) wrote:
>>Does it start automatically on power up or do you have to play some tricks
>>with it to get it operating?
>>
>>Also, what is the aquisition time and how much power does it draw?
>
>
> I bought one, too.
>
> The first one that I got, took 20 minutes from a cold start to acquire an
> accurate fix. I took it back and got one that acquired and locked in 5 minutes.
>
> fyi.
>
> Ev, W2EV
>
>
> ---
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> To unsubscribe send a blank email to leave-aprssig-842K@lists.tapr.org
> Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

--
Gerry Creager -- gerry.creager@tamu.edu
Network Engineering, Academy for Advanced Telecommunications
Texas A&M University, College Station, TX
Office: 979.458.4020 FAX: 979.847.8578 Cell: 979.229.5301
Page: 979.228.0173 -or- gcreager@my2way.com

You are currently subscribed to aprssig as: lyris.aprssig@tapr.org
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Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

---

115. [aprssig] RE: Radio Shack $99 GPS

From: Gerry Creager N5JXS <gerry.creager@tamu.edu>
Date: Fri, 08 Nov 2002 19:43:56 -0600
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: TAPR APRS Special Interest Group <aprssig@lists.tapr.org>
Message-ID: <LYR842-106241-2002.11.08-20.27.17--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Most likely diagnosis with these details is a bad antenna or feedline
(if appropriate).

73, gerry

Ev Tupis (W2EV) wrote:
> I suppose that I should have been more specific about what I observed.
>
> The first RS GPS I got took 20 minutes to lock...every time I powered it off and
> back on. It would go into 2D mode when under heavy foliage and full loss of
> lock whenever I was under a gas station roof.
>
> The second GPS found a 3D lock in under 10 minutes from a cold start and under 5
> minutes after that. The same foliage that would cause the first GPS to go into
> 2D mode had no impact on the second one. It would still loose signals under
> metal car ports at gas stations, though.
>
> Just fyi.
>
> Ev Tupis, W2EV
>
>
> ---
> You are currently subscribed to aprssig as: gerry.creager@tamu.edu
> To unsubscribe send a blank email to leave-aprssig-842K@lists.tapr.org
> Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

--
Gerry Creager -- gerry.creager@tamu.edu
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Office: 979.458.4020 FAX: 979.847.8578 Cell: 979.229.5301
Page: 979.228.0173 -or- gcreager@my2way.com

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Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

---

116. [aprssig] RE: Radio Shack $99 GPS

From: "Ev Tupis (W2EV)" <w2ev@arrl.net>
Date: Fri, 08 Nov 2002 20:55:39 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-106242-2002.11.08-20.42.32--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

```
"Sadowski, Allan" wrote:
>
> I have just played with the serial port version of this GPS and it is a tad
> more "deaf" than my Garmin GPS's... but not too bad...
>
> An example output stream follows...
>
> $GPRMC,145717,A,3544.1327,N,07837.7888,W,000.8,326.7,081102,,*09
```

Allan,
Have you figured out what it takes to "wake up" the GPS yet? I haven't hooked
up the laptop to another computer to see what the initialization string is.
Have you?

I'm cautiously optimistic about this thing.

Ev, W2EV

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---

117. [aprssig] Some more comments on 802.11x

From: "Mark Fellhauer" <sparkfel@qwest.net>
Date: Fri, 08 Nov 2002 20:05:43 -0600
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-106243-2002.11.08-20.49.56--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Some more info on 802.11x client location finding.

Skimpy on details, but an actual deployed system:

http://www.salon.com/tech/feature/2002/06/11/stalker_tech/index.html?x

A commercial system:

http://www.ekahau.com/

Note: what follows is long and rambling... If you don't care about
802.11x or have ADHD stop reading now...

This week I also set up a Sony Vaio R505 running XP Pro with integrated
802.11b. The onboard mini-pci card has a slide on/off switch on the
keyboard portion of the lap-top, which is a nice feature, especially when
flying in commercial aircraft. The OEM for the WiFi solution is Ambit.

http://www.ambitmicro.com/micro/MiniPCI%20Wireless%20LAN%20Card.htm

My first impression of this wireless solution was disappointment. When I
flipped the switch of the WiFi solution on (after disabling the nearest
Access Point's security features), the OS popped up the little box saying a
wireless network had been found. Great. I was able to bring up a web
browser and surf around. Then I looked at the connection properties in
XP's wireless utility. It said connection signal strength was poor and I
was only connecting at 1 MBPS, this and I was only 20 feet away from the
access point antenna. The whole point of going with onboard WiFi was that
they usually have better reception qualities due to the fact that an OEM

can place bigger (diversity) antennas in the screen part of a laptop... I was not amused. Several software installs and reboots later the observed signal strength and throughput did not improve.

Then I went and tried to setup actual network connectivity through the wireless network. It was a no-go. I had the workgroup name right, I had all the passwords right, but I could not find anyplace to enter an ESSID outside of the XP Pro wireless connection screen. Some cards, like the Cisco 350's, the ESSID can be set in the Device Manager. I looked under the Ambit's properties - no where could I find a place to enter an AP ESSID. Then I started looking through the installed software on the Laptop and the Systray. Nothing. Now I'm getting mad. I look in the Add/Remove programs window and find an Ambit utility pack - says it's installed. Back to the program list - nothing.

I guess it's time to go to the Internet. Ambit has no drivers/utilities on their web site. Sony Support has a Ambit driver, even though it's the same version installed on the laptop I download it anyway. I go to install it and get the install/uninstall/repair box. I choose repair. The install routine notes that the Ambit Client Utility is not installed (DUH!), but that all the drivers are. So I install the Client Utility. Up pops a new icon in the Systray. I click on it and find that the client utility is pretty nice. It even has a software button to turn the card off and on. I'm still not happy with the reception though. Then I see it...the card is tuned to channel 4. Channel 4? Funny, I don't recall using channel 4 on any Access Points... Doooh! Windows XP locked the 802.11b card on the wrong channel. Close enough to get some packets through though. I set the ESSID in the utility to match the AP and reboot. (Windows XP doesn't note 802.11x channel, BTW)

Once I launch back into Windows the signal strength is noted in the Client Utility as excellent and the throughput is listed at 11 MBPS (the card is on channel 1). Ahhh...my blood pressure goes down. And I can connect to the office network. My blood pressure goes down even more. I guess I'm not gonna have to stomp on a new laptop and send it back to Sony...

I hope this was just a glitch on this particular unit. If Sony is shipping their laptops with the Ambit Client Utility not installed, it's going to lead to a lot of tech support calls and more than a few units sent in for service or permanently returned. Most people wouldn't have a clue as to what was going on here.

73,

Mark
KC7BXS

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118. [aprssig] Experimental WIDEn-N digi code for JNOS ...

From: Maiko Langelaar <maiko@langelaar.net>
Date: Fri, 08 Nov 2002 20:35:45 -0600
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-106244-2002.11.08-21.14.09--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Greetings,

If anyone is interested, I'm putting together some code that will allow JNOS to catch WIDEn-N digi calls and respond accordingly just like a standard APRS digipeater. This is still very experimental, but I believe I have it working.

I did this because someone asked me to do consider it. If anyone else is interested in this, and would like to test it for me or just try it out in general, then please let me know, and we can take it from there.

Best regards,

Maiko Langelaar / VE4KLM

```
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```

119. [aprssig] RE: Radio Shack $99 GPS

From: "Jerome Mueller" <jemueller@alltel.net>
Date: Sat, 9 Nov 2002 08:22:24 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-106287-2002.11.09-08.05.54--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

```
I tried the PDA version out yesterday and it took about 2 minutes to get a
2D position after I told it I was in KY.  I'd like to try it out with my
TinyTrakII but I've just got the PDA cables.  Does anyone have the pinout
for the Modular connector?

Jerry

-----Original Message-----
From: bounce-aprssig-30471@lists.tapr.org
[mailto:bounce-aprssig-30471@lists.tapr.org]On Behalf Of Gerry Creager
N5JXS
Sent: Friday, November 08, 2002 8:42 PM
To: TAPR APRS Special Interest Group
Cc: TAPR APRS Special Interest Group
Subject: [aprssig] RE: Radio Shack $99 GPS


Which is consistent with an uninitialized receiver, a blank almanac and
a full-sky search.  20 min is on the outer limits of acceptable for a
real cold-start.

5 min suggests that the receiver had been initialized once before (at
least) and that it had an almanac stored in memory, AND that it was more
or less in the same region in which it was powered down.

If the receiver took 20 min EACH time it powers up, that's moren'n
likely a memory problem: not storing the almanac appropriately.

gerry

Ev Tupis (W2EV) wrote:
>>Does it start automatically on power up or do you have to play some tricks
>>with it to get it operating?
>>
>>Also, what is the aquisition time and how much power does it draw?
>
>
> I bought one, too.
>
> The first one that I got, took 20 minutes from a cold start to acquire an
> accurate fix.  I took it back and got one that acquired and locked in 5
minutes.
>
> fyi.
>
> Ev, W2EV
>
>
Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org


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Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org
```

120. [aprssig] ID versus NOID digis

From: Bob Bruninga <bruninga@usna.edu>
Date: Sat, 9 Nov 2002 10:07:43 -0500 (EST)
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: TAPR APRS Special Interest Group <aprssig@lists.tapr.org>
Message-ID: <LYR842-106302-2002.11.09-09.51.24--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

```
> I'm putting together some code that will allow JNOS to [do] WIDEn-N...

Please set it up with NOID.  I just visited Colorado and Atlanta and their
digis appear to be ID (but aren't labeled as such)..  Thus every packet
```

from all over 3 states and 50+ digipeaters all arrive EXACTLY THE SAME as W0XXX,WIDEn-N, in COlorado and N4XXX,WIDEn-N in Georgia.

Totally useless information!

There is no way to know where the packet entered the network or what the ORIGINATOR intended. Of course it showed my nearest digi is W0XXX or N4XXX, but duh... I konw that by looking at my map or my path list or watching MY OWN digipeated packets (launched with WIDE,WIDEn-n). I dont need every packet for 3 days telling me the same information! (at the expsnse of throwing away the originators digi).

For an area that prides itself on SAR and especially an area where there are more digipeaters than there are users, I am still totally amazed at how self defeating and restrictive these networks are.

WIDEn-N digipeaters should be set with the UIFLOOD NOID (the default) so that digipeaters do not obliterate originating path information. If sysops who don't do it this way (the way APRS was designed) and are so proud of their obstinance, then they should at least change the DIGI OVERLAY charactere to "I" instead of "N" so that their poor users will know what they are missing.

Packets in a proper NOID network, will arrive as XXXXX,WIDEn-N where XXXXX shows where the packet FIRST entered the system. This is vaulable information for many reasons.

Packets in a network with ID set will arrive as XXXXX,WIDEn-N where XXXXX shows the end user the callsign of the digi he is nearest to. WHICH he ALREADY KNOWS! duh... (and oblterate the originators digi).

The problem is that unless the "ID" DIGI's are indetified with the "I" overlay, then the poor users have NO CLUE which is which and the network path information is USELESS! "ID's" only value is in observing XMTR coverage areas for the DIGI owner. But this can be done AT ANY TIME by the digi owner by simply sending out a packet with the path of WIDE. Then his digi will identify itself. There is NO reason to FORCE this ID on every single packet at the expsnse of obliterating all origination and prior path data the other 99.999% of the time.

Having ID set has no operational value to APRS networks. (though it does help the SYSOP during initial coveage evaluation of the DIGI's TRANSMITTER (note, it has NO value in assessing the digi's ability to HEAR USERS which of couse is its purpose in being!)...

Having NOID set (the default in the Kantronics TNC) and the way the APRS widen-N network was designed has many benefits:

1) It allows all packets to arrive with the SOURCE digi information intact. This allows EVERY packet to be traced to the area of the originator

2) It allows tracking TNC's without GPS all over the country WITH NO GPS. Thus a TINY-TRACK, or MIM or any TNC can run for a year on AA cells and still be tracked anywhere in the APRS world.

3) It allows search and rescue to immediately know the area of the source of any single packet such as a message packet, an ID packet, a NON APRS packet, a status, a WX report, a WRONG position report (such as an HT without an active GPS plugged in), etc.

4) It allows for reverse path determination for messaging. As soon as you see a SINGLE packet from someone, simply look at your map and determine the REVERSE path to get your packets back to HIS digi and bingo, good DIRECTED QSO's...

To determine if digis in your area have ID set, use the path of "WIDE1-1". If the packet comes back as XXXXXX,WIDE1 then it has ID set. If that XXXXX digi does not show on your map with an "I" overlay character, then encourage the SYSOP to either change to a UIFLOOD NOID setting or to change the overlay character to "I".

If it comes back as just "WIDE1" then it is a proper WIDEn-N digi with NOID set as intended. Notice that this has TWO advantages:

1) It saves 7 bytes on EVERY packet transmitted (if launched as WIDEn-N)

2) It arrives as YYYYY,WIDENn-N everywhere if it is launched as WIDE,WIDEn-N, thus preserving the SOURCE digi "YYYYY" where the packet

entered the network.

AND the ORIGINATOR OF THE PACKET HAS THE CHOICE!

CONVERSLY, The SYSOPS of the "ID" digis are forcing their own callsigns on every single packet and destroying the PATH data of the orignators and users who are given no choice.

APRS is supposed to be a flexible network and to fully allow PATH data of the USERS to arrive at the end point. The use of ID by some SYSOPS destroys this network concept and prevents APRS from fulfilling its design potential.

de WB4APR@amsat.org, Bob

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121. [aprssig] Re: USB to Serial cables.

From: Arte Booten <n2zrc@earthlink.net>
Date: Sat, 09 Nov 2002 10:08:22 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-106303-2002.11.09-09.52.12--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Hi all,

Mark F. wrote:

>I've used one with WinAPRS. They work fine.

and Duffy wrote:

>I've used three different mfg USB > serial adapters and they all work
>very well - just like having additional serial ports.

In using Belkin's USB > Serial adapter, I've found them disappearing under Windows 98 SE. My desire to use this device is so I can connect a WX station to a laptop. If the OS suddenly decides that that port isn't there, I'm afraid I'll be TXing old or corrupted data onto 144.39.

Of course, if I were to swap out the KPC-3 8.2 (non-plus) with the KPC-3+ 8.3, I could use that TNC's second "pseudo"-port for WX data. 73

```
+----------------------------------------------------------------------+
|Arte Booten <n2zrc@arrl.net> Official Emergency Station, NYC ARES/RACES|
|Riverdale, New York 10463 [FN30bu   !4052.71N/07354.06WNPHG5370/A=00240|
|PGP Key Fingerprint: 90B6 9236 A783 2C3C E08B  DDCB 2F12 AE42 410B A7A8|
+----------------------------------------------------------------------+
> > > N O T E :   N E W   P G P   K E Y   O N   K E Y   S E R V E R < < <
+----------------------------------------------------------------------+
```

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122. [aprssig] RE: ID versus NOID digis

From: "Ev Tupis (W2EV)" <w2ev@arrl.net>
Date: Sat, 09 Nov 2002 10:25:00 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-106305-2002.11.09-10.12.26--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Bob made some very powerful observations on his recent trips. I would like to point out, thought... NOID has a very severe problem associated with it, too.

Interestingly, it is the _same_ problem that ID has... loss of the same useful information, believe it or not.

In my area, there are stations that launch packets like this:

VE3xxx>APRS,WIDE3-3:...

With NOID set on the digi's, this is what we all see:

VE3xxx>APRS,WIDE3-3:...
VE3xxx>APRS,WIDE3-2:...
VE3xxx>APRS,WIDE3-1:...
VE3xxx>APRS,WIDE3:...

No idea where to begin looking for VE3xxx, should the TX frame not include location information.

Just an observation...
Ev Tupis, W2EV

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---

123. [aprssig] RE: ID versus NOID digis

From: Bob Bruninga <bruninga@usna.edu>
Date: Sat, 9 Nov 2002 10:49:26 -0500 (EST)
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: TAPR APRS Special Interest Group <aprssig@lists.tapr.org>
Message-ID: <LYR842-106312-2002.11.09-10.33.19--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

On Sat, 9 Nov 2002, Ev Tupis (W2EV) wrote:

> Bob made some very powerful observations on his recent trips. I would
> like to point out, ... NOID has a... problem associated with it, too.
> In my area, there are stations that launch packets like this:
>
> VE3xxx>APRS,WIDE3-3:...
>
> With NOID set on the digi's, this is what we all see:
>
> VE3xxx>APRS,WIDE3-3:...
> VE3xxx>APRS,WIDE3-2:...
> VE3xxx>APRS,WIDE3-1:...
> VE3xxx>APRS,WIDE3:...
>
> No idea where to begin looking for VE3xxx, should the TX frame not include
> location information.

Yes, this originator has chosen to save 7 bytes on every packet to improve his reliability, but at the expense of showing his originating digi.

This same user can choose to use an outgoing path of WIDE,WIDEn-N and then his packets will arrive with his source digi intact.

Thus the value of NOID is that the packet arrives in a format which is the "choice" of the sender, not something that is unilaterally forced on 100% of every packet by the DIGI.

Yes, good point. In areas that have been "ID" in the past, if the digi owners upgrade to NOID, then the users will have to then decide if they want to save the 7 bytes on everypacket (with no source digi info) or use the path of WIDE,WIDEn-N to assure the originating packet arrives intact.

Only the users know their immediate needs and their intent should be respected by the digi.

de WB4APR@amsat.org, Bob

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---

124. [aprssig] Re: ID versus NOID digis

From: Maiko Langelaar <maiko@langelaar.net>
Date: Sat, 09 Nov 2002 10:44:41 -0600
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: TAPR APRS Special Interest Group <aprssig@lists.tapr.org>
Message-ID: <LYR842-106317-2002.11.09-11.23.08--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Hi Bob,

Sorry for repost, my original was badly formatted, and I had the wrong From email setup so it bounced from the list.

> Please set it up with NOID.

Most of the NOS types that I know run their TNC with a KISS eprom, so parameters like NOID and others simply are not an issue in those cases.

> Totally useless information!

What would be most usefull to me is a VERY GOOD description of how I should handle a WIDEn-N scenario, complete with examples. I see stuff all over the internet of how it *should* be done, but frankly I have yet to find anything very comprehensive, detailed, or consistant for that matter. If this has already been posted to this list a long time ago, then please forgive me for asking you to do it again.

My latest implementation is based on some notes that I read from an INI file off a DIGI_NED system. I picked DIGI_NED since I have heard many good things about it. Maybe Henk has something more detailed. I would be most interested in knowing how to *PROPERLY* implement this.

> APRS is supposed to be a flexible network and to fully allow PATH data of
> the USERS to arrive at the end point. The use of ID by some SYSOPS ...

I fully understand your concerns. I don't think it will be a big problem within the NOSaprs community (as small as it is anyways :-) I'll make sure to distribute the issues regarding NOID when the *official* release is put out to the masses.

Best regards,

Maiko Langelaar / VE4KLM

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---

125. [aprssig] Re: ID versus NOID digis

From: Arte Booten <n2zrc@earthlink.net>
Date: Sat, 09 Nov 2002 11:45:08 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-106318-2002.11.09-11.28.58--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Hi all,

Bob B. wrote, in response to Ev's:

```
>>NOID has a problem:
>>VE3xxx>APRS,WIDE3-3:...
>>
>>With NOID set on the digi's, this is what we all see:
>>
>>VE3xxx>APRS,WIDE3-3:...
>>VE3xxx>APRS,WIDE3-2:...
>>VE3xxx>APRS,WIDE3-1:...
>>VE3xxx>APRS,WIDE3:...
```

with:

>This [op] save[s] 7 bytes on each packet to improve reliability at the
>expense of showing his originating digi.

If the originating digi uses a specific callsign as its first hop, rather than a generic WIDE, this would give a good indication of where to look for return paths. There are times when using TRACE or TRACEn-n will give more specific results on such return paths, but it also eats up some significant amounts of bandwidth. I wouldn't use such a path on a regular basis from a fixed location, but using it judiciously can result in a more efficient path from one specific location to another. Just remember to reset your path back to WIDEn-n when you have the results you're looking for! 73

```
+----------------------------------------------------------------------+
|Arte Booten <n2zrc@arrl.net> Official Emergency Station, NYC ARES/RACES|
|Riverdale, New York 10463 [FN30bu   !4052.71N/07354.06WNPHG5370/A=00240|
|PGP Key Fingerprint: 90B6 9236 A783 2C3C E08B  DDCB 2F12 AE42 410B A7A8|
+----------------------------------------------------------------------+
> > > N O T E :   N E W   P G P   K E Y   O N   K E Y   S E R V E R < < <
+----------------------------------------------------------------------+
```

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126. [aprssig] RE: ID versus NOID digis

From: "George Kammerzell Jr" <gkammerzell@microlink-d.com>
Date: Sat, 9 Nov 2002 12:11:55 -0700
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-106347-2002.11.09-13.55.30--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

hmm timing is everything , right now the site for zed-5 is under siege from the nasty storm from the west coast and I aint going to try to get up there , but later in the week we are going to try to get up to that site to install an new PA on a uhf repeater and winterize everything else , and when I get up there I will add UIFLOOD NOID the kpc3+

-----Original Message-----
From: bounce-aprssig-29715@lists.tapr.org
[mailto:bounce-aprssig-29715@lists.tapr.org]On Behalf Of Bob Bruninga
Sent: Saturday, November 09, 2002 8:08 AM
To: TAPR APRS Special Interest Group
Cc: TAPR APRS Special Interest Group
Subject: [aprssig] ID versus NOID digis

> I'm putting together some code that will allow JNOS to [do] WIDEn-N...

Please set it up with NOID. I just visited Colorado and Atlanta and their digis appear to be ID (but aren't labeled as such).. Thus every packet from all over 3 states and 50+ digipeaters all arrive EXACTLY THE SAME as W0XXX,WIDEn-N, in COlorado and N4XXX,WIDEn-N in Georgia.

Totally useless information!
------------SNIP ------------------------------

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127. [aprssig] RE: ID versus NOID digis

From: KC7ZRU - Tate <kc7zru@arrl.net>
Date: Sat, 09 Nov 2002 13:58:30 -0700
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-106349-2002.11.09-15.42.09--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

One example for another potential 'quest' in the APRS microcosm.

Many didi sysops set the MYREMOTE and RTEXT string in a KPC3+ so as to allow remote administration of their digipeaters. Such things as ID/NOID or LT buffers, BTEXT etc can be safely changed without leaving the warmth of your own shack. Yes, considering your environment is crucial when choosing an RTEXT string.

I'm sure someone will come up with a 'reason' why this isn't a good idea - but experience here hasn't shown one, yet.

Must admit, wish I could find a way to swap a PA by remote though....

73

Oh crap, I top posted too - sheesh

George Kammerzell Jr wrote:
>

```
> hmm timing is everything , right now the site for zed-5 is under siege from
> the nasty storm from the west coast and I aint going to try to get up there
> , but later in the week we are going to try to get up to that site to
> install an new PA on a uhf repeater and winterize everything else , and when
> I get up there I will add  UIFLOOD NOID the kpc3+

--
              Casper, WY    |    CARC Repeater
                DN62tt      |      146.940
        "The Dungeon" online at http://go.to/kc7zru
            "RTFM" is NOT a 'four letter' word!

---
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```

128. [aprssig] Re: ID versus NOID digis

From: Henk de Groot <henk.de.groot@hetnet.nl>
Date: Sat, 09 Nov 2002 22:01:37 +0100
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: TAPR APRS Special Interest Group <aprssig@lists.tapr.org>
Message-ID: <LYR842-106350-2002.11.09-15.52.57--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

```
Hello Maiko,

At 10:44 9-11-02 -0600, Maiko Langelaar wrote:
>My latest implementation is based on some notes that I read from
>an INI file off a DIGI_NED system. I picked DIGI_NED since I have
>heard many good things about it. Maybe Henk has something more
>detailed. I would be most interested in knowing how to
>*PROPERLY* implement this.

The best source of information is the APRS Specification because that
describes how it was supposed to be. The whole ID/NOID discussion is
because the implementation in the used TNC is not according to the
specification. My first implementations were not correct either. In the
earlier versions the rules were such that you could see which digi
*transmitted* the packet just like ID seems to do, instead of where the
packet entered the network.

I think if you can read the rules in the .INI file of DIGI_NED you get a
long way to get the most resonable implementation. That's not to boost
DIGI_NED in any way, it is just that these are designed after lengthy
discussions here on the APRS SIG and I just adjusted the rules until they
matched with the majority here. That is why it is the default that I ship
with DIGI_NED and if somebody doesn't agree or if his local situation
requires something else then the user has the power to change it anyway.

This would be a start. The next step is to think about it. If you find a
scenario that you are not sure of, just post it to the APRS SIG with the
alternative handling or your question and I'm sure you will get some
discussion here which will give you the most probable correct answer. Of
course there will always be different views so there is no static
implementation that will make everybody happy.

Last note, to handle WIDEn-N do not forget to add checking for duplicate
packets to avoid ping-pong effects, but I guess you already found that out
already... I think the TNC solutions remenber packets only a few seconds,
the default in DIGI_NED is 5 minutes.

Good luck! Kind regards,

Henk.

P.S. if Jnos is GNU source then feel free to steal code from DIGI_NED if
that suites you.




---
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```

129. [aprssig] RE: ID versus NOID digis

From: "Cap Pennell" <cap@cruzio.com>
Date: Sat, 9 Nov 2002 13:28:53 -0800
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-106351-2002.11.09-16.12.37--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

> -----Original Message-----
> From: tapr.org On Behalf Of KC7ZRU - Tate
> Sent: Saturday, November 09, 2002 12:59 PM
> To: TAPR APRS Special Interest Group
> Subject: [aprssig] RE: ID versus NOID digis
>
> One example for another potential 'quest' in the APRS microcosm.
>
> Many didi sysops set the MYREMOTE and RTEXT string in a KPC3+ so as to
> allow remote administration of their digipeaters. Such things as ID/NOID
> or LT buffers, BTEXT etc can be safely changed without leaving the
> warmth of your own shack.

<snip>

> Oh crap, I top posted too - sheesh
>
> George Kammerzell Jr wrote:

<snip>

> > I get up there I will add UIFLOOD NOID the kpc3+

The syntax for the Kantronics digi command, whether you're local or remote,
is

UIFlood WIDE,28,NOID

73, Cap KE6AFE

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130. [aprssig] RE: ID versus NOID digis

From: Bob Bruninga <bruninga@usna.edu>
Date: Sat, 9 Nov 2002 19:37:20 -0500 (EST)
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: TAPR APRS Special Interest Group <aprssig@lists.tapr.org>
Message-ID: <LYR842-106354-2002.11.09-19.21.09--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Thanks!
Bob

On Sat, 9 Nov 2002, George Kammerzell Jr wrote:

> hmm timing is everything , right now the site for zed-5 is under siege from
> the nasty storm from the west coast and I aint going to try to get up there
> , but later in the week we are going to try to get up to that site to
> install an new PA on a uhf repeater and winterize everything else , and when
> I get up there I will add UIFLOOD NOID the kpc3+
>
> -----Original Message-----
> From: bounce-aprssig-29715@lists.tapr.org
> [mailto:bounce-aprssig-29715@lists.tapr.org]On Behalf Of Bob Bruninga
> Sent: Saturday, November 09, 2002 8:08 AM
> To: TAPR APRS Special Interest Group
> Cc: TAPR APRS Special Interest Group
> Subject: [aprssig] ID versus NOID digis
>
>
> > I'm putting together some code that will allow JNOS to [do] WIDEn-N...
>
> Please set it up with NOID. I just visited Colorado and Atlanta and their
> digis appear to be ID (but aren't labeled as such).. Thus every packet
> from all over 3 states and 50+ digipeaters all arrive EXACTLY THE SAME as
> W0XXX,WIDEn-N, in COlorado and N4XXX,WIDEn-N in Georgia.
>
> Totally useless information!
> ------------SNIP -------------------------------
>

de WB4APR@amsat.org, Bob

```
PCsat WEB  page     http://www.ew.usna.edu/~bruninga/pcsat.html
ISS-APRS FAQ:       http://www.ew.usna.edu/~bruninga/iss-faq.html
CUBESAT Designs     http://www.ew.usna.edu/~bruninga/cubesat.html
APRS LIVE pages     http://www.ew.usna.edu/~bruninga/aprs.html
APRS SATELLITES     http://www.ew.usna.edu/~bruninga/astars.html
MIM/Mic-E/Mic-Lite  http://www.toad.net/~wclement/bruninga/mic-lite.html
```

---
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---

131. [aprssig] Re: ID versus NOID digis

From: Bob Bruninga <bruninga@usna.edu>
Date: Sat, 9 Nov 2002 19:51:58 -0500 (EST)
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: TAPR APRS Special Interest Group <aprssig@lists.tapr.org>
Message-ID: <LYR842-106356-2002.11.09-19.35.41--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

On Sat, 9 Nov 2002, Henk de Groot wrote:

> Last note, to handle WIDEn-N do not forget to add checking for duplicate
> packets to avoid ping-pong effects... I think the TNC solutions remenber
> packets only a few seconds, the default in DIGI_NED is 5 minutes.

Can you clarify this?
APRSdos sends a NEW packet (new meaning that the operator has made a change in it) once, then 16 seconds later, then 32, then 1 min, then 2 min, then 4 min then 8 min, then 16 minutes, etc.

This is fundamental to guarantee delivery of NEW information QUICKLY but to decay old data out of the system without congestion. If your DIGIS are not allowing redundant transmission, then that is undermining a fundamental principle of APRS. Unlike normal packet, APRS has no mechanisim for guaranteed DELIVERY. Thus, the network MUST SUPPORT multiple dupicate packets to improve reliability of TIMELY delivery.

APRSdos can support a very rapid message dialong in a tactical situation in the presence of lost packets because of this decaying algorithm. Unfortunaley, most people are not aware of this because WinAPRS only sends message packets once a minute. Thus, for every collision of every single packet, a full minute uis added to EACH line of text. This KILLS the ability to use WinAPRS in a LIVE tactical message scenario.

If DIGI-NED is further preevnting DUPES over 5 minut4e spans, this makes each collision delay messsage traffic by 5 minutes PER LINE OF TRAFFIC. Totally unacceptible..

Too many people missunderstand that duplicate packets are BAD. They are NOT. Duplicate packets are part of the APRS system to imporve delivery reliability. Can you clarify what you meant by your paragraph? maybe I missunderstood it..

de WB4APR@amsat.org, Bob

```
PCsat WEB  page     http://www.ew.usna.edu/~bruninga/pcsat.html
ISS-APRS FAQ:       http://www.ew.usna.edu/~bruninga/iss-faq.html
CUBESAT Designs     http://www.ew.usna.edu/~bruninga/cubesat.html
APRS LIVE pages     http://www.ew.usna.edu/~bruninga/aprs.html
APRS SATELLITES     http://www.ew.usna.edu/~bruninga/astars.html
MIM/Mic-E/Mic-Lite  http://www.toad.net/~wclement/bruninga/mic-lite.html
```

---
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---

132. [aprssig] Satellites

From: "Robert Michaud" <michaud@ispwest.com>
Date: Sat, 9 Nov 2002 19:23:53 -0800
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-106361-2002.11.09-22.09.04--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Group

Anyone looking for a real-time Windows satellite prediction program might want to take a look at Sat_Explorer by Gabriel Rivat F6DQM. It will sound an alarm (can't get to work on my machine as yet) and pop-up if a Sat is near-by; you set the criteria. It can show the ephemeris for the current pass, the foot print on a world map and can track your antenna.

As I wrote this three Sats went by, alas, they were all a bit too low on the horizon.

http://perso.club-internet.fr/f1orl/index.html

Did I mention Freeware? Yep.

Best Regards,
Robert, KD6INI

---
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---

133. [aprssig] RE: ID versus NOID digis

From: "George Kammerzell Jr" <gkammerzell@microlink-d.com>
Date: Sat, 9 Nov 2002 20:32:12 -0700
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-106362-2002.11.09-22.15.46--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

n0wbw reported

```
cmd:*** CONNECTED to XXX-X
X X X X X X
X X X X X X
X X X X X X
xxxxxxxxxxxxxxxx
prompt:uiflood
UIFLOOD  WIDE,30,NOID
prompt:cmd:***
```

It's already there at n0zed-5!

-----Original Message-----
From: Bob Bruninga [mailto:bruninga@usna.edu]
Sent: Saturday, November 09, 2002 5:37 PM
To: George Kammerzell Jr
Cc: TAPR APRS Special Interest Group
Subject: RE: [aprssig] ID versus NOID digis

Thanks!
Bob

On Sat, 9 Nov 2002, George Kammerzell Jr wrote:

> hmm timing is everything , right now the site for zed-5 is under siege
from
> the nasty storm from the west coast and I aint going to try to get up
there
> , but later in the week we are going to try to get up to that site to
> install an new PA on a uhf repeater and winterize everything else , and
when
> I get up there I will add UIFLOOD NOID the kpc3+
>
> -----Original Message-----
> From: bounce-aprssig-29715@lists.tapr.org
> [mailto:bounce-aprssig-29715@lists.tapr.org]On Behalf Of Bob Bruninga
> Sent: Saturday, November 09, 2002 8:08 AM
> To: TAPR APRS Special Interest Group
> Cc: TAPR APRS Special Interest Group
> Subject: [aprssig] ID versus NOID digis
>
>
> > I'm putting together some code that will allow JNOS to [do] WIDEn-N...
>

```
> Please set it up with NOID.  I just visited Colorado and Atlanta and their
> digis appear to be ID (but aren't labeled as such)..  Thus every packet
> from all over 3 states and 50+ digipeaters all arrive EXACTLY THE SAME as
> W0XXX,WIDEn-N, in COlorado and N4XXX,WIDEn-N in Georgia.
>
> Totally useless information!
> ------------SNIP  -------------------------------
>

de WB4APR@amsat.org, Bob

PCsat WEB  page     http://www.ew.usna.edu/~bruninga/pcsat.html
ISS-APRS FAQ:       http://www.ew.usna.edu/~bruninga/iss-faq.html
CUBESAT Designs     http://www.ew.usna.edu/~bruninga/cubesat.html
APRS LIVE pages     http://www.ew.usna.edu/~bruninga/aprs.html
APRS SATELLITES     http://www.ew.usna.edu/~bruninga/astars.html
MIM/Mic-E/Mic-Lite  http://www.toad.net/~wclement/bruninga/mic-lite.html



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Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org
```

---

134. [aprssig] software list?

From: Kevin Deckert <kdeckert@mercuryspeed.com>
Date: Wed, 06 Nov 2002 19:21:27 -0800
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-106372-2002.11.10-00.27.21--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

```
I would looking for a list of the software available for APRS for a
resource project I am working on.....
ie, winaprs,uiview, etc?
send me your favorites?
ve7whk


---
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Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org
```

---

135. [aprssig] UI-view questions

From: Skip Allison <skipk9sa@ameritech.net>
Date: Sun, 10 Nov 2002 00:16:31 -0600
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-106374-2002.11.10-01.02.40--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

```
I just loaded UI_View for the first time.  Does it support CD Maps?  PM
or Delorme?

Does it support Direction finding?

I couldn't find either in the help.

Skip
K9SA


---
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Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org
```

---

136. [aprssig] Re: RELAY in New Mexico

From: Earl Needham <needhame@yucca.net>
Date: Sat, 09 Nov 2002 23:31:11 -0700
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-106377-2002.11.10-01.17.02--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

```
Bob, are you still trying to locate digis that don't respond to
"RELAY", etc?  I was recently in the northeast and it seems like I noticed
a few that didn't.  I think they were near New Haven, but not sure.  If
you're still working on this, I'll take notes next time I'm out.
```

```
        7 3
        Earl

At 01:36 PM 6/9/2002 -0400, Bob Bruninga wrote:
>On Sun, 9 Jun 2002, Earl Needham wrote:
>
> >         Most of the digis in New Mexico respond to RELAY, there were a
> > couple over around Lubbock that didn't, but I believe that has changed and
> > they now respond to RELAY.  (As all APRS stations should).
>
>Thanks!  This is good news..
>We need EVERYONE's participation in helping us identify non-standard
>areas.  This is NOT an issue of trying to get them to change, this is ONLY
>an issue of getting everything properly identified so that the users can
>see what they have to do in any area to have a working tracker. Here are
>the things we need to do to help APRS travelers:
>
>1) Digis that do not support RELAY, or WIDE to indicate it in their BTexts
>2) All digis that operate with "UIDIGI ID ON" should have an overlay "I"
>
>If these two are done, then it will  be trivial for an automated system to
>draw a National map of different colors for the different settings.
>
>But the only way we can assure this is for each and everyone of us to test
>our own local digi and make sure that it is set properly to indicate its
>features to users.  If they are not, then we each LOCALLY need to get that
>fixed.  Then the national map will properly show what areas support what
>and any user driving thorugh will be aware at a glance...
>
>Just last week for the first time in a long while I displayed just local
>digis and was pleased to see that now we have very few non widen-N
>digis even in our old area... so things do change slowly.  Now I need to
>test them to see if the are doing ID or NOID...
>
>de WB4APR



Earl Needham, KD5XB, Clovis, New Mexico  DM84jk
KD5XB-2>APW251,PCSAT-1%:=3425.83N/10313.55W-PHG7150/WinAPRS 2.5.1
-EARL_CLOVIS -251-<630>
SETI@Home: 7077WU/5.44yrs!


---
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```

---

137. [aprssig] Re: Satellites

From: Glen Tubbesing <n7got@earthlink.net>
Date: Sun, 10 Nov 2002 02:49:36 -0800
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-106387-2002.11.10-05.33.37--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

```
Robert,

My French isn't that good... in fact, it's non-existent.  Where on that
page do I go to find Sat_Explorer?  It's all French to me!

73
Glen Tubbesing
N7GOT
Las Vegas, NV


Robert Michaud wrote:

>Group
>
>Anyone looking for a real-time Windows satellite prediction program might
>want to take a look at Sat_Explorer by Gabriel Rivat F6DQM.  It will sound
>an alarm (can't get to work on my machine as yet) and pop-up if a Sat is
>near-by; you set the criteria. It can show the ephemeris for the current
>pass, the foot print on a world map and can track your antenna.
>
>As I wrote this three Sats went by, alas, they were all a bit too low on the
```

```
>horizon.
>
>http://perso.club-internet.fr/f1orl/index.html
>
>Did I mention Freeware?  Yep.
>
>Best Regards,
>Robert, KD6INI
>
>
>---
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>
>
>
>
```

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Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

---

138. [aprssig] Re: Satellites

From: Glen Tubbesing <n7got@earthlink.net>
Date: Sun, 10 Nov 2002 02:56:24 -0800
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-106388-2002.11.10-05.40.13--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

```
D'OH!  I saw all the French on the page and froze up.  Then, I went back
and looked at the page and there's the link at the top center of the
page... in English!  Sheesh!

Glen

Glen Tubbesing wrote:

> Robert,
>
> My French isn't that good... in fact, it's non-existent.  Where on
> that page do I go to find Sat_Explorer?  It's all French to me!
>
> 73
> Glen Tubbesing
> N7GOT
> Las Vegas, NV
>
>
> Robert Michaud wrote:
>
>> Group
>>
>> Anyone looking for a real-time Windows satellite prediction program
>> might
>> want to take a look at Sat_Explorer by Gabriel Rivat F6DQM.  It will
>> sound
>> an alarm (can't get to work on my machine as yet) and pop-up if a Sat is
>> near-by; you set the criteria. It can show the ephemeris for the current
>> pass, the foot print on a world map and can track your antenna.
>>
>> As I wrote this three Sats went by, alas, they were all a bit too low
>> on the
>> horizon.
>>
>> http://perso.club-internet.fr/f1orl/index.html
>>
>> Did I mention Freeware?  Yep.
>>
>> Best Regards,
>> Robert, KD6INI
>>
```

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139. [aprssig] RE: USB to Serial cables

From: "Bob D." <n2iph@comcast.net>
Date: Sun, 10 Nov 2002 07:40:48 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-106389-2002.11.10-07.24.15--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

You might check that you have disabled OS control of the USB port.
Not sure about Win98/ME, but XP has a checkbox where you can
allow/disallow the OS to control the USB port power to conserve
overall system power. If Win98/ME have this enabled, then your USB
port may be 'going to sleep' after some period of inactivity, and your
USB connected serial device will appear to no longer be connected.

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140. [aprssig] Re: ID versus NOID digis

From: Henk de Groot <henk.de.groot@hetnet.nl>
Date: Sun, 10 Nov 2002 13:41:27 +0100
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: TAPR APRS Special Interest Group <aprssig@lists.tapr.org>
Message-ID: <LYR842-106390-2002.11.10-07.26.02--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Hello Bob,

At 19:51 9-11-02 -0500, Bob Bruninga wrote:
>This is fundamental to guarantee delivery of NEW information QUICKLY but
>to decay old data out of the system without congestion. If your DIGIS are
>not allowing redundant transmission, then that is undermining a
>fundamental principle of APRS. Unlike normal packet, APRS has no
>mechanisim for guaranteed DELIVERY. Thus, the network MUST SUPPORT
>multiple dupicate packets to improve reliability of TIMELY delivery.

Okay, that's what I meant to discuss scenario's. Its *much* more
complicated than just 5 minutes no-brains dupe checking...

First of all DIGI_NED makes an exception for messages; that is that if you
send a message or bulletin then that is only remebered a few seconds to
allow the decay algorithm to work. So message dialogs are not affected,
just type ahead. The dupe checking in the default configuration is 10
seconds. This will prohibit direct ping-pong but there is a risk of getting
a bigger loop.

What is left are the other types of data. Static beacons can only be send
every 5 minutes; but since they are static thats not a big problem (but
there is more, I will come to that below). If you make a change to it then
it will of course be send the first time in the 5 minute window. When you
need more frequent updates then either change the DIGI_NED configuration
(just change 600 seconds to 10...) or include a timestamp in the
transmission. That's a good thing anyway in this case since if timely data
is this important then you have to have some clue about the valididy and order.

Tactical data with more value is where vehicles are. But since the position
changes all the time, these packes are no dupes. Even then a vehicle stays
at the same location, variation in the GPS reading will make slight
differences to the packet.

But there is more. DIGI_NED also makes an attempt to detect if a packet is
an original. A duplicate packet is only duplicate if it is the *same*
instance of a packet that passed the digipeater before. Problem is, that it
is hard to detect if a packet is a retransmission or the same packet that
was repeated before; the two instances that just happen to look alike. But
we know for sure its a retransmission and not a dupe if the packet came
straight from the originator. So DIGI_NED examines if the packet already
passed a digipeater or not. When no digipeater in the list is marked as
"used" or when "n" is the same as "N" in WIDEn-N or TRACEn-N then the
packet can not be a dupe since it came directly from the originator - it

did not pass any digipeater so we could not have digipeated this before;
its not a dupe so this is digipeated always!

So if you send the same packet many times and the first digi you hit is a DIGI_NED digi then it will repeat *ALL* your packets. Only the next digi is not able to distinguish a dupe from a retransmission. But your packet at least will have passed this second digi (otherwise the second digi will not think its a duplicate) so it will at least travel 2 hops pritty reliable. This wat it will not distrub you local tactical communication - not even for pure static information - only a wider area communication is affected for static information. I think it is a decent workable tradeoff.

So to wrap it up; all data generated in the coverage area of the digipeater, all dynamic information and all exchange of messages and bulletins are not blocked in any way, while static clutter from a longer distance is surpressed and it still accieves its goal to prevent packets from looping.

You can even use this mechanism to reduce channel load. A few months ago we had congestion of our APRS QRG and we increased dupe-checking to 30 minutes. It worked like a miracle, all of a sudden the mobile stations became visible again. Of course it took 1 hour to get all the houses two or more hops away on the map, but these don't move and can be even read from a position file as well.

>reliability. Can you clarify what you meant by your paragraph? maybe I
>missunderstood it..

No, it only proves that there are no simple answers... So yes, if Maiko implements dupe checking with extended time then he has to make an exception for messages that use a decay algorithm and rely on repetition. He also may want to make a check if a packet is received directly - and therefore can't be a dupe but is a deliberate repetition.

I hope this answered your question.

Kind regards,

Henk.

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141. [aprssig] Wxsvr to be down

From: dale huguley <kg5qd@earthlink.net>
Date: 10 Nov 2002 07:36:32 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-106391-2002.11.10-07.30.43--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Hi All-
The room that houses my computer farm will be renovated during the next few days. I may be able to set-up the WxSvr in another room, but I can't guarantee it. With any luck it should be back online Wednesday or so.

73 de kg5qd Dale

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---

142. [aprssig] CD SOFTWARE [was: ID versus NOID digis]

From: "Ev Tupis (W2EV)" <w2ev@arrl.net>
Date: Sun, 10 Nov 2002 07:48:32 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-106392-2002.11.10-07.36.28--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

George Kammerzell Jr wrote:
> prompt:uiflood
> UIFLOOD WIDE,30,NOID

> prompt:cmd:***
>
> It's already there at n0zed-5!

George,
The next most important thing [in my opinion] to be assured of is that the TNC is setup for CD SOFTWARE. Doing so allows the transceiver's squelch to be fully open and the Kantronic's firmware to Carrier Detect. You will find it to be much more sensitive on RX as a result. This is a *major* Kantronics advantage that no other manufacturer (to my knowledge) has as a *stock* feature.

Kindly,
Ev, W2EV

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---

143. [aprssig] RE: USB to Serial cables

From: "Mark Fellhauer" <sparkfel@qwest.net>
Date: Sun, 10 Nov 2002 08:01:45 -0600
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: n2zrc@earthlink.net
Message-ID: <LYR842-106398-2002.11.10-08.54.20--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

At 06:40 AM 11/10/02, Bob D. wrote:

>You might check that you have disabled OS control of the USB port.
>Not sure about Win98/ME, but XP has a checkbox where you can
>allow/disallow the OS to control the USB port power to conserve
>overall system power. If Win98/ME have this enabled, then your USB
>port may be 'going to sleep' after some period of inactivity, and your
>USB connected serial device will appear to no longer be connected.

BTW, there was an issue with Win98SE (seemed to be in 98 regular and ME, too) and certain chipsets (both Intel and Via) in regards to USB devices "disappearing" without any rhyme or reason. Microsoft had issued a patch at one point for it. It also seems to me that patch didn't work for a lot of people, including me. It seems to be totally random, you can have four identical laptops (or desktops) and only one of them will exhibit the behavior. Disregard Microsoft info about only affecting only VIA chipset with AMD processors over 350 MHz, it was a lot more widespread.

http://support.microsoft.com/default.aspx?scid=KB;en-us;Q240075

There was also an issue with tens of thousands (maybe more) of defective hubs/peripherals being made by Intel, they were branded mostly under the Entrega and then Xircom name before Intel acquired them outright, and I believe part of that USB hub/peripheral line went to Belkin... There was silent recall on them, but that ended over a year ago...I'm pretty sure. This affected all OS'es as it was bad hardware. I really do think Entrega looked at their liability on this issue and decided to call it quits. Reminds me of towns in the midwest changing their names after big Cholera outbreaks back in the 1800's. ;)

Also, make sure you have the most current drivers for your USB device...that seems to clear up most problems. Sometimes a motherboard BIOS update will clear up USB problems, too; unless you have my Tyan motherboard and then the BIOS update renders your USB ports dead...

Mark
KC7BXS

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144. [aprssig] Re: software list?

From: "Don" <kyham@alltel.net>
Date: Sun, 10 Nov 2002 09:56:57 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-106402-2002.11.10-09.39.11--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

```
UI-VIEW, UI-VIEW, and UI-VIEW


Don            K9SOA   (EM77EX)
HF-2m-70cm-APRS
www.k9soa.net

Home of JEANNIE
The House That Listens
As seen on HGTV's Dream Builder Show
and the Featured Home of the Month
Home Automation magazine
March 2002 issue


----- Original Message -----
From: Kevin Deckert <kdeckert@mercuryspeed.com>
To: TAPR APRS Special Interest Group <aprssig@lists.tapr.org>
Sent: Wednesday, November 06, 2002 10:21 PM
Subject: [aprssig] software list?


> I would looking for a list of the software available for APRS for a
> resource project I am working on.....
> ie, winaprs,uiview, etc?
> send me your favorites?
> ve7whk
>
>
> ---
> You are currently subscribed to aprssig as: kyham@alltel.net
> To unsubscribe send a blank email to leave-aprssig-842K@lists.tapr.org
> Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org
>
>


---
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145. [aprssig] Re: UI-view questions

From: "Don" <kyham@alltel.net>
Date: Sun, 10 Nov 2002 09:57:39 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-106403-2002.11.10-09.41.27--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

```
Get Precision Mapping V5.    Hands down winner.


Don            K9SOA   (EM77EX)
HF-2m-70cm-APRS
www.k9soa.net

Home of JEANNIE
The House That Listens
As seen on HGTV's Dream Builder Show
and the Featured Home of the Month
Home Automation magazine
March 2002 issue


----- Original Message -----
From: Skip Allison <skipk9sa@ameritech.net>
To: TAPR APRS Special Interest Group <aprssig@lists.tapr.org>
Sent: Sunday, November 10, 2002 1:16 AM
Subject: [aprssig] UI-view questions
```

> I just loaded UI_View for the first time. Does it support CD Maps? PM
> or Delorme?
>
> Does it support Direction finding?
>
> I couldn't find either in the help.
>
> Skip
> K9SA
>
>
> ---
> You are currently subscribed to aprssig as: kyham@alltel.net
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> Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org
>
>

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146. [aprssig] Re: UI-view questions

From: Skip Allison <skipk9sa@ameritech.net>
Date: Sun, 10 Nov 2002 09:04:48 -0600
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-106404-2002.11.10-09.50.53--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Bill Diaz wrote:

> Skip,
>   Ui_View 32 bit supports both Delorme and PMap 5.0. However, PMap is
> integrated into UiView seamlessly, whereas Delorme is not. Ui-View 16 bit
> does not support either map, except that you can capture a bitmap from
> either one and use it as a static map (no zooming).

How do I know what version I have? If I pull down the About . . . is says
V2.39.

Skip

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147. [aprssig] Re: CD SOFTWARE [was: ID versus NOID digis]

From: Bob Nielsen <nielsen@oz.net>
Date: Sun, 10 Nov 2002 08:12:51 -0800
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-106408-2002.11.10-10.56.35--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

On Sun, Nov 10, 2002 at 07:48:32AM -0500, Ev Tupis (W2EV) wrote:
> George Kammerzell Jr wrote:
> > prompt:uiflood
> > UIFLOOD WIDE,30,NOID
> > prompt:cmd:***
> >
> > It's already there at n0zed-5!
>
> George,
> The next most important thing [in my opinion] to be assured of is that the TNC
> is setup for CD SOFTWARE. Doing so allows the transceiver's squelch to be fully
> open and the Kantronic's firmware to Carrier Detect. You will find it to be
> much more sensitive on RX as a result. This is a *major* Kantronics advantage
> that no other manufacturer (to my knowledge) has as a *stock* feature.

Ev,

There are some other manufacturers (Symek and I believe recent MFJ
models) that have TNCs with stock hardware DCD which works quite well
with a receiver that has open squelch. Many others do need
modifications, however (TAPR has kits for this purpose).

Bob, N7XY

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148. [aprssig] RE: Wxsvr to be down

From: "Mark A. Foley" <na4v@cox.net>
Date: Sun, 10 Nov 2002 11:31:59 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-106409-2002.11.10-11.15.40--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Bummer Dale...as it looks like we may have some significant weather
developments today....
Mark, NA4V

-----Original Message-----
From: bounce-aprssig-27405@lists.tapr.org
[mailto:bounce-aprssig-27405@lists.tapr.org] On Behalf Of dale huguley
Sent: Sunday, November 10, 2002 7:37 AM
To: TAPR APRS Special Interest Group
Subject: [aprssig] Wxsvr to be down

Hi All-
The room that houses my computer farm will be renovated during the next
few days. I may be able to set-up the WxSvr in another room, but I
can't guarantee it. With any luck it should be back online Wednesday or
so.

73 de kg5qd Dale

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149. [aprssig] Re: Satellites

From: Henk de Groot <henk.de.groot@hetnet.nl>
Date: Sun, 10 Nov 2002 17:32:12 +0100
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-106410-2002.11.10-11.16.15--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

At 02:49 10-11-02 -0800, Glen Tubbesing wrote:
>Robert,
>
>My French isn't that good... in fact, it's non-existent. Where on that
>page do I go to find Sat_Explorer? It's all French to me!

You could also try http://babelfish.altavista.com/

Just supply the URL of the french page and select French->English

Okay, the translation is not brilliant (gross understatement) but I think
you will be able to understand more or less what is meant...

Kind regards,

Henk.

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150. [aprssig] RE: ID versus NOID digis

From: Doug McFadden <kc7imr@orednet.org>
Date: Sun, 10 Nov 2002 08:17:56 -0800 (PST)
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-106416-2002.11.10-11.47.30--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

```
On Sat, 9 Nov 2002, George Kammerzell Jr wrote:

>
> n0wbw reported
>
> cmd:*** CONNECTED to XXX-X
> X X X X X X
> X X X X X X
> X X X X X X
> xxxxxxxxxxxxxxxx
> prompt:uiflood
> UIFLOOD  WIDE,30,NOID
> prompt:cmd:***
>
>
What exactly is the "30" or "28" as in the other case?  I haven't set up a
digi and probably will never need to.  I was just curious.????


Doug/KC7IMR



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151. [aprssig] RE: ID versus NOID digis

From: Bob Bruninga <bruninga@usna.edu>
Date: Sun, 10 Nov 2002 12:05:44 -0500 (EST)
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: TAPR APRS Special Interest Group <aprssig@lists.tapr.org>
Message-ID: <LYR842-106417-2002.11.10-11.49.40--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

```
> [NOID is] already there at n0zed-5!

I hope I did not make too big of an assumption.  I was in Colorado Springs
and from my motel room, all of the digis that I was hearing were ID.  And
remembering from a year ago's heated debate with the owner of many of the
ones in Colorado who insisted on ID, I assumed all the others were still
ID too...

Maybe I was wrong.  But never hurts to keep reminding everyone that NOID
is the proper setting.  The ID setting is only for RARE SYSOP testing.
That is why the default is NOID.

Thanks
Bob



---
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```

152. [aprssig] Re: RELAY in New Mexico

From: Bob Bruninga <bruninga@usna.edu>
Date: Sun, 10 Nov 2002 12:11:28 -0500 (EST)
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: TAPR APRS Special Interest Group <aprssig@lists.tapr.org>
Message-ID: <LYR842-106418-2002.11.10-11.55.14--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

```
On Sat, 9 Nov 2002, Earl Needham wrote:

>
>          Bob, are you still trying to locate digis that don't respond to
> "RELAY", etc?  I was recently in the northeast and it seems like I noticed
> a few that didn't.
```

The important thing is to make sure all DIGIs are LABELED with the proper OVERLAY character or BText so there is no ambiguity to the users. If we can just get the SYSOPS to do that, then I am mostly satisfied since then the USER knows what is happening. So only report misslabeled digis...

OVERLAY	MEANING
R	RELAY ONLY
W	WIDE only
T	RELAY,WIDE,TRACE with callsign substitution
N	R,W,T and WIDEn-N with NOID
I	R,W,T and WIDEn-N with ID
U	all of the above with UIDIGI

If any digi has NON-standard alignments of the above, then the EXCEPTION should be listed in the BText, such as (NO-R) for no relay, etc...

Bob

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153. [aprssig] Re: RELAY in New Mexico

From: Steve Jones <s.jones@rogers.com>
Date: Sun, 10 Nov 2002 12:19:56 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-106420-2002.11.10-12.03.40--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

on 11/10/02 12:11 PM, Bob Bruninga at bruninga@usna.edu wrote:

> U   all of the above with UIDIGI

Bob, why the distinction for UIDIGI? I would guess (and Henk can probably clarify) that Digined would also handle all of the above as well.

--
Steve <s.jones@rogers.com>

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Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

154. [aprssig] Re: software list?

From: "Lee Inman" <leei@att.net>
Date: Sun, 10 Nov 2002 11:55:40 -0700
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-106425-2002.11.10-13.39.27--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

>>> UI-VIEW, UI-VIEW, and UI-VIEW

I agree - UI-View32 is undoubtedly the best designed and best supported APRS program there is! Add Precision Maps 5 and You'll never look at another APRS package.

73, Lee K0QED

----- Original Message -----
From: Kevin Deckert <kdeckert@mercuryspeed.com>
To: TAPR APRS Special Interest Group <aprssig@lists.tapr.org>
Sent: Wednesday, November 06, 2002 10:21 PM
Subject: [aprssig] software list?

> I would looking for a list of the software available for APRS for a
> resource project I am working on..... ie, winaprs,uiview, etc? send me

> your favorites? ve7whk
>

>

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155. [aprssig] RE: CD SOFTWARE [was: ID versus NOID digis]

From: "George Kammerzell Jr" <gkammerzell@microlink-d.com>
Date: Sun, 10 Nov 2002 12:15:16 -0700
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-106426-2002.11.10-13.58.50--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

checking our set up records the Denver area wides have been NOID and CD
software from DAY ONE with KPC3+ adds, count vouch for northern Colorado
(Ft. Collins and such) or the Springs , If I am home tonight I will try to
remember to bring this up on the front range APRS Net

73s n0zed
-----Original Message-----
From: bounce-aprssig-29715@lists.tapr.org
[mailto:bounce-aprssig-29715@lists.tapr.org]On Behalf Of Ev Tupis (W2EV)
Sent: Sunday, November 10, 2002 5:49 AM
To: TAPR APRS Special Interest Group
Subject: [aprssig] CD SOFTWARE [was: ID versus NOID digis]

George Kammerzell Jr wrote:
> prompt:uiflood
> UIFLOOD WIDE,30,NOID
> prompt:cmd:***
>
> It's already there at n0zed-5!

George,
The next most important thing [in my opinion] to be assured of is that the
TNC
is setup for CD SOFTWARE. Doing so allows the transceiver's squelch to be
fully
open and the Kantronic's firmware to Carrier Detect. You will find it to be
much more sensitive on RX as a result. This is a *major* Kantronics
advantage
that no other manufacturer (to my knowledge) has as a *stock* feature.

Kindly,
Ev, W2EV

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To unsubscribe send a blank email to leave-aprssig-842K@lists.tapr.org
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---
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Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

156. [aprssig] Which APRS Server for MacAPRS?

From: Jay Millard <millardj@earthlink.net>
Date: Sun, 10 Nov 2002 14:18:52 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-106427-2002.11.10-14.03.55--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Having resurrected by laptop MacAPRS station hooked up to the internet only,
I was wondering which server to OPEN in the SETTINGS/PORTS in order to see
my RF station on the map. I'm on findu.com, but apparently the server that
feeds data to that site is not the one that I am connected to. Any
thoughts?

Jay
KD1LY

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---

157. [aprssig] RE: ID versus NOID digis

From: KC7ZRU - Tate <kc7zru@arrl.net>
Date: Sun, 10 Nov 2002 12:37:36 -0700
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: TAPR APRS Special Interest Group <aprssig@lists.tapr.org>
Message-ID: <LYR842-106428-2002.11.10-14.21.38--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

The default value of '30' is the number of seconds the digi will 'remember' any one particular posit string it digipeates. If another one just like it comes through within 30 seconds, it won't be digipeated.

Some areas have settled on a different traditional value - a difference of 2 seconds, but close enough so as to not be a great difference. Apparently there were trackers and such that would send out packets every 30 seconds - with no difference of position. The 28 value would 'kill' at least every other one and cut down on some of the bandwidth wastage, a bit.

73

Doug McFadden wrote:

```
>
> On Sat, 9 Nov 2002, George Kammerzell Jr wrote:
>
> >
> > n0wbw reported
> >
> > cmd:*** CONNECTED to XXX-X
> > X X X X X X
> > X X X X X X
> > X X X X X X
> > xxxxxxxxxxxxxxxx
> > prompt:uiflood
> > UIFLOOD  WIDE,30,NOID
> > prompt:cmd:***
> >
> >
> What exactly is the "30" or "28" as in the other case?  I haven't set up a
> digi and probably will never need to.  I was just curious.????
>
> Doug/KC7IMR
>
> ---
> You are currently subscribed to aprssig as: KC7ZRU@arrl.net
> To unsubscribe send a blank email to leave-aprssig-842K@lists.tapr.org
> Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org
```

```
--
              Casper, WY    |    CARC Repeater
                DN62tt      |      146.940
        "The Dungeon" online at http://go.to/kc7zru
            "RTFM" is NOT a 'four letter' word!
```

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Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

---

158. [aprssig] Standard APRS Digipeater Overlays [was:RELAY in New Mexico]

From: "Ev Tupis (W2EV)" <w2ev@arrl.net>
Date: Sun, 10 Nov 2002 14:36:13 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-106429-2002.11.10-14.24.27--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

```
> OVERLAY  MEANING
> R        RELAY ONLY
> W        WIDE only
> T        RELAY,WIDE,TRACE with callsign substitution
> N        R,W,T and WIDEn-N with NOID
> I        R,W,T and WIDEn-N with ID
> U        all of the above with UIDIGI
```

One may want to consider using X for eXperimental (NOT long-term) digipeaters
(and if you establish one, take responsibility for keeping your eye on it to
make sure the eXperiment is not killing the channel for everyone else). Be sure
to include an eMail address in the BTEXT, just in case the experiment's sponsor
needs to be reached.

Also...based on this...
> If any digi has NON-standard alignments of the above, then the EXCEPTION
> should be listed in the BText, such as (NO-R) for no relay, etc...

I would suggest that digipeaters that are running configurations that ARE
exceptions to the above, use a LOWER CASE overlay character as a designation
that observers really ought to look in the BTEXT for more information.

Lastly... no mention of TRACEn-N in the above chart. An oversight, or by
design?

Kind regards,
Ev,W2EV

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Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

---

159. [aprssig] RE: ID versus NOID digis

From: "Ev Tupis (W2EV)" <w2ev@arrl.net>
Date: Sun, 10 Nov 2002 14:40:16 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-106430-2002.11.10-14.28.34--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

> > prompt:uiflood
> > UIFLOOD WIDE,30,NOID
> > prompt:cmd:***

> What exactly is the "30" or "28" as in the other case? I haven't set up a
> digi and probably will never need to. I was just curious.????

The ## is the number of seconds that the system will apply the duplicate frame
checking subroutine. The higher the number, the longer the TNC will check to
make sure it hasn't already digipeated a frame before doing so again.

Ev, W2EV

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Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

---

160. [aprssig] Re: software list?

From: KC7ZRU - Tate <kc7zru@arrl.net>
Date: Sun, 10 Nov 2002 12:47:21 -0700
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: TAPR APRS Special Interest Group <aprssig@lists.tapr.org>
Message-ID: <LYR842-106431-2002.11.10-14.31.29--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Lee,

Maybe "...the best designed and best supported APRS program there is!"
for the Windows platform. Would be more accurate.

xastir, by far, exceeds the 'bug fix' and 'new features' response time,
upgrades (usually at least weekly), flexibility (local map data, online
data and I've lost track of how many formats) and in my opinion,
usefulness of *ANY* other APRS client (and UI-VIEW is, IMO, the best
there is for the Windows platform!). Just that xastir was written for
the "*nix" world. But maybe with cygwin - may be useable on the Windows
platform as well.

Anyone tried yet?

73

Lee Inman wrote:

>
> >>> UI-VIEW, UI-VIEW, and UI-VIEW
>
> I agree - UI-View32 is undoubtedly the best designed and best supported
> APRS program there is! Add Precision Maps 5 and You'll never look at
> another APRS package.
>
> 73, Lee K0QED
>
> ----- Original Message -----
> From: Kevin Deckert <kdeckert@mercuryspeed.com>
> To: TAPR APRS Special Interest Group <aprssig@lists.tapr.org>
> Sent: Wednesday, November 06, 2002 10:21 PM
> Subject: [aprssig] software list?
>
> > I would looking for a list of the software available for APRS for a
> > resource project I am working on..... ie, winaprs,uiview, etc? send me
>
> > your favorites? ve7whk
> >
> >
>
> ---
> You are currently subscribed to aprssig as: KC7ZRU@arrl.net
> To unsubscribe send a blank email to leave-aprssig-842K@lists.tapr.org
> Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

--
Casper, WY | CARC Repeater
DN62tt | 146.940
"The Dungeon" online at http://go.to/kc7zru
"RTFM" is NOT a 'four letter' word!

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Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

161. [aprssig] Re: CD SOFTWARE [was: ID versus NOID digis]

From: "Ev Tupis (W2EV)" <w2ev@arrl.net>
Date: Sun, 10 Nov 2002 15:18:34 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-106435-2002.11.10-15.06.33--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

> > The next most important thing [in my opinion] to be assured of is that the TNC
> > is setup for CD SOFTWARE. Doing so allows the transceiver's squelch to be fully
> > open and the Kantronic's firmware to Carrier Detect. You will find it to be
> > much more sensitive on RX as a result. This is a *major* Kantronics advantage
> > that no other manufacturer (to my knowledge) has as a *stock* feature.

> There are some other manufacturers (Symek and I believe recent MFJ
> models) that have TNCs with stock hardware DCD which works quite well
> with a receiver that has open squelch. Many others do need
> modifications, however (TAPR has kits for this purpose).

Thanks for the info, Bob. I checked the Symek page and couldn't find any information on DCD. It may have been buried in the German somewhere. :o) I was amazed to see just how cheap those TNC's are! I'm amazed they haven't found a broader market in the USA.

The MFJ 1270c and 1274c manuals say things like "DCD is is optimized for HF operation". I don't know how/if it operates on VHF.

It would be interesting to put together a chart of TNC manufacturers and the functions that are important to APRS and "line 'em up".

Ev, W2EV

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162. [aprssig] APRS SPAM

From: John Kraus <jfkraus3@cox.net>
Date: Sun, 10 Nov 2002 15:57:03 -0500

To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-106436-2002.11.10-15.40.58--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

I am trying to monitor my LOCAL situation and have the Internet available
at the same time yet I am inundated with junk bulletins most from Europe or
Canada. Why can't I filter all packets by RANGE or Callsign with wild
cards. This would enhance the utility of the Internet with APRS. I am
well aware of the BLNSKY and other ways to limit receptions but the method
seems backward to me. Why should the end user have to limit them selves to
only a single subset of bulletins and risk missing something important.

My suggestion is to implement both a range filter and a prefix filter. Let
me filter based on callsigns. Then I can eliminate the overseas junk
without killing the functionality of APRS.

Is there any way to filter this stuff out in APRS+ or UIview?

If you want to see what I am referring to check this link for a very brief
capture of the APRS SPAM.
Why must an end user be forced to view this type of junk?
http://members.cox.net/kc4zgq/bln.htm

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163. [aprssig] UI-VIEW Maps

From: "Dave Thege" <dthege@ncfcomm.com>
Date: Sun, 10 Nov 2002 15:31:57 -0600
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-106437-2002.11.10-16.13.59--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

I down loaded UI-View 16 yesterday. According to the help file I can add my
own maps in bmp format. I tried that but UI-VIEW won't list the map. I
followed the instructions and put it in the maps subdirectory and created a
inf file for it.. Does the program need to be registered first before this
will work. I like what I see so far but wanted to play with it before I
committed any dinero.
Dave N0XBN

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To unsubscribe send a blank email to leave-aprssig-842K@lists.tapr.org
Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

164. [aprssig] Re: software list?

From: "Lee Inman" <leei@att.net>
Date: Sun, 10 Nov 2002 14:43:17 -0700
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-106439-2002.11.10-16.27.12--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Tate,

Good point. I have no experience outside of DOS and Windows.

73, Lee K0QED

-----Original Message-----
From: bounce-aprssig-29692@lists.tapr.org
[mailto:bounce-aprssig-29692@lists.tapr.org] On Behalf Of KC7ZRU - Tate
Sent: Sunday, November 10, 2002 12:47 PM
To: TAPR APRS Special Interest Group
Cc: TAPR APRS Special Interest Group
Subject: [aprssig] Re: software list?

Lee,

Maybe "...the best designed and best supported APRS program there is!"
for the Windows platform. Would be more accurate.

xastir, by far, exceeds the 'bug fix' and 'new features' response time,
upgrades (usually at least weekly), flexibility (local map data, online

data and I've lost track of how many formats) and in my opinion, usefulness of *ANY* other APRS client (and UI-VIEW is, IMO, the best there is for the Windows platform!). Just that xastir was written for the "*nix" world. But maybe with cygwin - may be useable on the Windows platform as well.

Anyone tried yet?

73

Lee Inman wrote:
>
> >>> UI-VIEW, UI-VIEW, and UI-VIEW
>
> I agree - UI-View32 is undoubtedly the best designed and best
> supported APRS program there is! Add Precision Maps 5 and You'll never

> look at another APRS package.
>
> 73, Lee K0QED
>

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Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

165. [aprssig] Re: Standard APRS Digipeater Overlays

From: Bill Vodall - WA7NWP <wa7nwp@yahoo.com>
Date: Sun, 10 Nov 2002 14:15:18 -0800
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-106441-2002.11.10-16.59.09--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

```
> OVERLAY  MEANING
 > R        RELAY ONLY
 > W        WIDE only
 > T        RELAY,WIDE,TRACE with callsign substitution
 > N        R,W,T and WIDEn-N with NOID
 > I        R,W,T and WIDEn-N with ID
 > U        all of the above with UIDIGI
```

Users are going to have to carry a pocket dictionary just to figure out how their packets are being digipeated.

Why not keep it really really simple and just flag the WIDE digi's like the old days?

Here's a couple quotes from the FlexNet article in the current, http://www.tapr.org/tapr/html/Fpsr.html TAPR PSR issue:

"Never Satisfied
One of the long-standing gripes with all node software was the need to set parameters. Different regional groups would use differing sets of fixed parameters, thereby ensuring network incompatibility between regions. Trying to reach a common set of parameters was like arguing religion..."

And

"FlexNet tests each link every four minutes, automatically adjusting parameters and path qualities based solely upon these measurements. No parameters to set, no testing, no egos; it appeared to be just what we were looking for."

This sort of simple ease of use is what the APRS network should be striving towards.

73,
Bill - WA7NWP

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Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

166. [aprssig] Re: Satellites

From: blitz <blitz@macronet.net>
Date: Sun, 10 Nov 2002 12:56:26 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-106444-2002.11.10-17.02.37--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

For the lingually challenged:
http://www.freetranslation.com/

At 02:56 11/10/02 -0800, you wrote:
>D'OH! I saw all the French on the page and froze up. Then, I went back
>and looked at the page and there's the link at the top center of the
>page... in English! Sheesh!
>
>Glen

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To unsubscribe send a blank email to leave-aprssig-842K@lists.tapr.org
Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

167. [aprssig] soundcard packet..

From: blitz <blitz@macronet.net>
Date: Sun, 10 Nov 2002 12:58:34 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-106447-2002.11.10-17.03.08--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Is there any sound card packet program that does 2400ba and 9600ba packet?

All I actually need is receive.

TIA

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To unsubscribe send a blank email to leave-aprssig-842K@lists.tapr.org
Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

168. [aprssig] Re: soundcard packet..

From: "J. Lance Cotton" <joe@lightningflash.net>
Date: Sun, 10 Nov 2002 16:37:46 -0600
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: TAPR APRS Special Interest Group <aprssig@lists.tapr.org>
Message-ID: <LYR842-106448-2002.11.10-17.22.05--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

For Linux and UNIX there is

multimon
http://www.baycom.org/~tom/ham/linux/multimon.html

Decodes many different digital modes via soundcard. For 9600 you'll
probably need to connect the soundcard directly to your receiver's
discriminator.

and soundmodem
http://www.baycom.org/~tom/ham/soundmodem/
(This also works with Windows)

For Windows, there is AGWPE
http://www.elcom.gr/sv2agw/

-Lance KJ5O

blitz wrote:
> Is there any sound card packet program that does 2400ba and 9600ba packet?
>
> All I actually need is receive.
>

> TIA
>
>
> ---
> You are currently subscribed to aprssig as: joe@lightningflash.net
> To unsubscribe send a blank email to leave-aprssig-842K@lists.tapr.org
> Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org
>

--
J. Lance Cotton, KJ5O
Apple decided to charge money for my mac.com address so:
joe@lightningflash.net
Three Step Plan: 1. Take over the world. 2. Get a lot of cookies. 3. Eat the cookies.

You are currently subscribed to aprssig as: lyris.aprssig@tapr.org
To unsubscribe send a blank email to leave-aprssig-842K@lists.tapr.org
Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

---

169. [aprssig] Re: RELAY in New Mexico

From: Bob Bruninga <bruninga@usna.edu>
Date: Sun, 10 Nov 2002 18:40:24 -0500 (EST)
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: APRS <aprssig@lists.tapr.org>
Message-ID: <LYR842-106450-2002.11.10-18.24.14--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

On Sun, 10 Nov 2002, Steve Jones wrote:

> > U   all of the above with UIDIGI
>
> Bob, why the distinction for UIDIGI? I would guess (and Henk can probably
> clarify) that Digined would also handle all of the above as well.

It can do even more. So it needs the U so we know it is more powerfulll

bob

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To unsubscribe send a blank email to leave-aprssig-842K@lists.tapr.org
Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

---

170. [aprssig] Re: APRS SPAM

From: "B. Hildebrand" <bhildebrand@earthlink.net>
Date: Sun, 10 Nov 2002 15:52:14 -0800
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-106451-2002.11.10-18.36.01--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

In APRS+SA, there are several ways to limit data. Position data can be filtered and/or deleted by Range. And Message data, on the tab which shows all messages, can be limited based on callsigns. For example, I can enter A* N* W* K* VE* VO* and receive only messages from US and some (most?) Canadian callsigns in the first slot on the Message tab. You can also enter callsign filters in the Ignore List on the Lists tab of Setup. But then that limits ALL data from those stations. Limiting the display of messages on the Message tab does not prevent you from receiving messages directed to you. It does in the Ignore List.

Brent Hildebrand, KH2Z
http://www.tapr.org/~kh2z/aprsplus
ftp://ftp.tapr.org/aprssig/winstuff/aprsplus

[]

----- Original Message -----
From: "John Kraus" <jfkraus3@cox.net>
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Sent: Sunday, November 10, 2002 12:57 PM
Subject: [aprssig] APRS SPAM

> I am trying to monitor my LOCAL situation and have the Internet available
> at the same time yet I am inundated with junk bulletins most from Europe
or
> Canada. Why can't I filter all packets by RANGE or Callsign with wild
> cards. This would enhance the utility of the Internet with APRS. I am
> well aware of the BLNSKY and other ways to limit receptions but the method
> seems backward to me. Why should the end user have to limit them selves
to
> only a single subset of bulletins and risk missing something important.
>
> My suggestion is to implement both a range filter and a prefix filter.
Let
> me filter based on callsigns. Then I can eliminate the overseas junk
> without killing the functionality of APRS.
>
> Is there any way to filter this stuff out in APRS+ or UIview?
>
> If you want to see what I am referring to check this link for a very brief
> capture of the APRS SPAM.
> Why must an end user be forced to view this type of junk?
> http://members.cox.net/kc4zgq/bln.htm
>
> ---
> You are currently subscribed to aprssig as: b.hildebrand@verizon.net
> To unsubscribe send a blank email to leave-aprssig-842K@lists.tapr.org
> Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org
>

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---

171. [aprssig] RE: ID versus NOID digis

From: Bob Bruninga <bruninga@usna.edu>
Date: Sun, 10 Nov 2002 18:55:49 -0500 (EST)
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: TAPR APRS Special Interest Group <aprssig@lists.tapr.org>
Message-ID: <LYR842-106452-2002.11.10-18.39.39--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

On Sun, 10 Nov 2002, KC7ZRU - Tate wrote about UIFLOOD WIDE,28,NOID

> Apparently there were trackers and such that would send out packets
> every 30 seconds - with no difference of position. The 28 value would
> 'kill' at least every other one and cut down on some of the bandwidth
> wastage, a bit.

Actually, it is the opposite. By setting 28, the digi WILL allow a 30
second pos rate to get through. If the UIFLOOD filter was set at 30 then
someone doing a special event at 30 wouild get every other one filtered.

Bob
 >
73 >
> Doug McFadden wrote:
> >
> > On Sat, 9 Nov 2002, George Kammerzell Jr wrote:
> >
> > >
> > > n0wbw reported
> > >
> > > cmd:*** CONNECTED to XXX-X
> > > X X X X X X
> > > X X X X X X
> > > X X X X X X
> > > xxxxxxxxxxxxxxxx
> > > prompt:uiflood
> > > UIFLOOD WIDE,30,NOID
> > > prompt:cmd:***
> > >
> > >
> > What exactly is the "30" or "28" as in the other case? I haven't set up a
> > digi and probably will never need to. I was just curious.????
> >
> > Doug/KC7IMR
> >
> > ---

```
> > You are currently subscribed to aprssig as: KC7ZRU@arrl.net
> > To unsubscribe send a blank email to leave-aprssig-842K@lists.tapr.org
> > Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org
>
> --
>                Casper, WY    |    CARC Repeater
>                  DN62tt      |      146.940
>          "The Dungeon" online at http://go.to/kc7zru
>              "RTFM" is NOT a 'four letter' word!
>
> ---
> You are currently subscribed to aprssig as: bruninga@usna.edu
> To unsubscribe send a blank email to leave-aprssig-842K@lists.tapr.org
> Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org
>

de WB4APR@amsat.org, Bob

PCsat WEB  page     http://www.ew.usna.edu/~bruninga/pcsat.html
ISS-APRS FAQ:       http://www.ew.usna.edu/~bruninga/iss-faq.html
CUBESAT Designs     http://www.ew.usna.edu/~bruninga/cubesat.html
APRS LIVE pages     http://www.ew.usna.edu/~bruninga/aprs.html
APRS SATELLITES     http://www.ew.usna.edu/~bruninga/astars.html
MIM/Mic-E/Mic-Lite  http://www.toad.net/~wclement/bruninga/mic-lite.html


---
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Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org
```

---

172. [aprssig] Re: Standard APRS Digipeater Overlays [was:RELAY in New Mexico]

From: Bob Bruninga <bruninga@usna.edu>
Date: Sun, 10 Nov 2002 18:57:20 -0500 (EST)
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: TAPR APRS Special Interest Group <aprssig@lists.tapr.org>
Message-ID: <LYR842-106453-2002.11.10-18.41.18--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

```
On Sun, 10 Nov 2002, Ev Tupis (W2EV) wrote:

> > OVERLAY  MEANING
> > R        RELAY ONLY
> > W        WIDE only
> > T        RELAY,WIDE,TRACE with callsign substitution
> > N        R,W,T and WIDEn-N with NOID
> > I        R,W,T and WIDEn-N with ID
> > U        all of the above with UIDIGI
>
> Lastly... no mention of TRACEn-N in the above chart.  An oversight, or by
> design?

Oversight.  It should be in EVERY digi that has WIDEN-N capability so
thus, it does not need self identificaitn...

Thanks.

Bob

> Kind regards,
> Ev,W2EV
>
>
> ---
> You are currently subscribed to aprssig as: bruninga@usna.edu
> To unsubscribe send a blank email to leave-aprssig-842K@lists.tapr.org
> Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org
>

de WB4APR@amsat.org, Bob

PCsat WEB  page     http://www.ew.usna.edu/~bruninga/pcsat.html
ISS-APRS FAQ:       http://www.ew.usna.edu/~bruninga/iss-faq.html
CUBESAT Designs     http://www.ew.usna.edu/~bruninga/cubesat.html
APRS LIVE pages     http://www.ew.usna.edu/~bruninga/aprs.html
APRS SATELLITES     http://www.ew.usna.edu/~bruninga/astars.html
MIM/Mic-E/Mic-Lite  http://www.toad.net/~wclement/bruninga/mic-lite.html
```

You are currently subscribed to aprssig as: lyris.aprssig@tapr.org
To unsubscribe send a blank email to leave-aprssig-842K@lists.tapr.org
Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

173. [aprssig] Re: APRS SPAM

From: "Don" <kyham@alltel.net>
Date: Sun, 10 Nov 2002 18:59:40 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-106454-2002.11.10-18.43.42--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Take a look at Afilter. I think it will do what you want.

Don   K9SOA   (EM77EX)
HF-2m-70cm-APRS
www.k9soa.net

Home of JEANNIE
The House That Listens
As seen on HGTV's Dream Builder Show
and the Featured Home of the Month
Home Automation magazine
March 2002 issue

----- Original Message -----
From: John Kraus <jfkraus3@cox.net>
To: TAPR APRS Special Interest Group <aprssig@lists.tapr.org>
Sent: Sunday, November 10, 2002 3:57 PM
Subject: [aprssig] APRS SPAM

> I am trying to monitor my LOCAL situation and have the Internet available
> at the same time yet I am inundated with junk bulletins most from Europe
or
> Canada. Why can't I filter all packets by RANGE or Callsign with wild
> cards. This would enhance the utility of the Internet with APRS. I am
> well aware of the BLNSKY and other ways to limit receptions but the method
> seems backward to me. Why should the end user have to limit them selves
to
> only a single subset of bulletins and risk missing something important.
>
> My suggestion is to implement both a range filter and a prefix filter.
Let
> me filter based on callsigns. Then I can eliminate the overseas junk
> without killing the functionality of APRS.
>
> Is there any way to filter this stuff out in APRS+ or UIview?
>
> If you want to see what I am referring to check this link for a very brief
> capture of the APRS SPAM.
> Why must an end user be forced to view this type of junk?
> http://members.cox.net/kc4zgq/bln.htm
>
> ---
> You are currently subscribed to aprssig as: kyham@alltel.net
> To unsubscribe send a blank email to leave-aprssig-842K@lists.tapr.org
> Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org
>

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Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

174. [aprssig] Re: software list?

From: "Spider" <spider@rivcom.net>
Date: Sun, 10 Nov 2002 17:07:16 -0700
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-106455-2002.11.10-18.51.36--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

----- Original Message -----
From: "Lee Inman" <leei@att.net>
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Sent: Sunday, November 10, 2002 2:43 PM

Subject: [aprssig] Re: software list?

> Tate,
>
> Good point. I have no experience outside of DOS and Windows.
>
> 73, Lee K0QED
>
>
> -----Original Message-----
> From: bounce-aprssig-29692@lists.tapr.org
> [mailto:bounce-aprssig-29692@lists.tapr.org] On Behalf Of KC7ZRU - Tate
> Sent: Sunday, November 10, 2002 12:47 PM
> To: TAPR APRS Special Interest Group
> Cc: TAPR APRS Special Interest Group
> Subject: [aprssig] Re: software list?
>
>
> Lee,
>
> Maybe "...the best designed and best supported APRS program there is!"
> for the Windows platform. Would be more accurate.
>
> xastir, by far, exceeds the 'bug fix' and 'new features' response time,
> upgrades (usually at least weekly), flexibility (local map data, online
> data and I've lost track of how many formats) and in my opinion,
> usefulness of *ANY* other APRS client (and UI-VIEW is, IMO, the best
> there is for the Windows platform!). Just that xastir was written for
> the "*nix" world. But maybe with cygwin - may be useable on the Windows
> platform as well.
>
> Anyone tried yet?
>
> 73

I agree that UI-VIEW and XASTIR are very well supported and good quality.
I run UI-VIEW32 and love it. Roger, G4IDE, is very active in supporting it
and adding
the updates users ask for....within reason. And, anyone can add "add-on"
programs to it.
I know nothing about UNIX based programs. I do have cygwin and...well, what
a nightmare for
a guy like me.
However, I know Curt, WE7U, is very active in supporting/updating Xastir.
Although I live in a real small world, without Roger and Curt, APRS would,
without any doubt in
my mind, be in a world of hurt for the majority of folks!
So if you run Windows, I suggest UI-VIEW32 with Pmaps.
If you run Unix, then I suggest Xastir and it's mapping compliments.

Jim, WA6OFT

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175. [aprssig] Smallest HT w/APRS "hookup"?

From: "Ev Tupis (W2EV)" <w2ev@arrl.net>
Date: Sun, 10 Nov 2002 19:03:29 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-106456-2002.11.10-18.52.23--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

What is the smallest H-T with external connections for hookup to a TNC/AGWPE?
Power level is unimportant to my search.

Ev, W2EV

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Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

176. [aprssig] Re: Smallest HT w/APRS "hookup"?

From: "J. Lance Cotton" <joe@lightningflash.net>
Date: Sun, 10 Nov 2002 18:41:01 -0600
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: TAPR APRS Special Interest Group <aprssig@lists.tapr.org>
Message-ID: <LYR842-106463-2002.11.10-19.25.07--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

```
I use a Yaesu VX-1R as my 'base' APRS station. It's about 3.2" x 1.9" x
1", has 1/2 watt out on battery, 1 watt out with external 1amp supply.

Its 'hookup' is a 4-conductor 2.5mm (1/8") jack. Mouser Electronics
sells the plugs for this. I got the 4-conductor plug and a 1/8" mono
jack and 3/32" mono jack and created the familiar mic/speaker interface
that's common on so many other HTs.

I've considered using this radio in an all-in-one tracker with OEM GPS
board (from a Rand McNally gps for Palm), TinyTrak II, this radio, and a
battery pack, all in one box with a bnc as the only external interface.

Mine has been in use as my APRS base radio now for almost a year, with
no problems at all. Since the only digi in the area is less than a mile
away, it gives me the 'oomph' to be heard farther.

73 Lance KJ5O

Ev Tupis (W2EV) wrote:
> What is the smallest H-T with external connections for hookup to a TNC/AGWPE?
> Power level is unimportant to my search.
>
> Ev, W2EV

--
J. Lance Cotton, KJ5O
Apple decided to charge money for my mac.com address so:
joe@lightningflash.net
Three Step Plan: 1. Take over the world. 2. Get a lot of cookies. 3. Eat
the cookies.


---
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Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org
```

---

177. [aprssig] Re: Smallest HT w/APRS "hookup"?

From: "Ken Cechura" <kcechura@umr.edu>
Date: Sun, 10 Nov 2002 18:45:01 -0600
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-106464-2002.11.10-19.29.09--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

```
Supposedly Radio Shack is closing out on their HTX200 for about $50....
This might  be a chicagoland only thing, or nation wide...  I can
neither verify it nor deny it, but if they are, it might be what you'r
elooking for....  300 mW 2M only, with slightly extended receive.



-----Original Message-----
From: bounce-aprssig-22012@lists.tapr.org
[mailto:bounce-aprssig-22012@lists.tapr.org] On Behalf Of J. Lance
Cotton
Sent: Sunday, November 10, 2002 6:41 PM
To: TAPR APRS Special Interest Group
Cc: TAPR APRS Special Interest Group
Subject: [aprssig] Re: Smallest HT w/APRS "hookup"?


I use a Yaesu VX-1R as my 'base' APRS station. It's about 3.2" x 1.9" x
1", has 1/2 watt out on battery, 1 watt out with external 1amp supply.

Its 'hookup' is a 4-conductor 2.5mm (1/8") jack. Mouser Electronics
sells the plugs for this. I got the 4-conductor plug and a 1/8" mono
jack and 3/32" mono jack and created the familiar mic/speaker interface
that's common on so many other HTs.

I've considered using this radio in an all-in-one tracker with OEM GPS
board (from a Rand McNally gps for Palm), TinyTrak II, this radio, and a
```

battery pack, all in one box with a bnc as the only external interface.

Mine has been in use as my APRS base radio now for almost a year, with
no problems at all. Since the only digi in the area is less than a mile
away, it gives me the 'oomph' to be heard farther.

73 Lance KJ5O

Ev Tupis (W2EV) wrote:
> What is the smallest H-T with external connections for hookup to a
> TNC/AGWPE?
> Power level is unimportant to my search.
>
> Ev, W2EV

--
J. Lance Cotton, KJ5O
Apple decided to charge money for my mac.com address so:
joe@lightningflash.net
Three Step Plan: 1. Take over the world. 2. Get a lot of cookies. 3. Eat

the cookies.

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Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

178. [aprssig] Re: UI-VIEW Maps

From: "Randy Peckenpaugh" <rpecken@cox.net>
Date: Sun, 10 Nov 2002 17:55:49 -0700
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-106465-2002.11.10-19.34.06--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Make sure the INF file contains 3 lines,
Line 1 = Top Left Corner, Line 2 = Bottom Right Corner, Line 3 = Description
of map (What will show up when you list the maps)
ie for Arizona map...
36.30.6N,115.31.8W
31.49.2N,118.19.8W
Arizona

Note: the coordinates are in DD.MM.mmX format
where DD = Whole degrees
MM = Whole Minutes
mm = decimal fraction of minutes (Not seconds)
X = N,S,E,W

As I recall, I needed to shut program down and open it back up for the new
maps to show up. Then they were there after that.
Good Luck...Randy WB0SMX

----- Original Message -----
From: "Dave Thege" <dthege@ncfcomm.com>
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Sent: Sunday, November 10, 2002 2:31 PM
Subject: [aprssig] UI-VIEW Maps

> I down loaded UI-View 16 yesterday. According to the help file I can add
my
> own maps in bmp format. I tried that but UI-VIEW won't list the map. I
> followed the instructions and put it in the maps subdirectory and created
a
> inf file for it.. Does the program need to be registered first before this
> will work. I like what I see so far but wanted to play with it before I
> committed any dinero.

```
> Dave N0XBN
>
>
> ---
> You are currently subscribed to aprssig as: rpecken@cox.net
> To unsubscribe send a blank email to leave-aprssig-842K@lists.tapr.org
> Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org
>
>



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Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org
```

179. [aprssig] Re: Smallest HT w/APRS "hookup"?

From: "Roy Bost" <rbost@itexas.net>
Date: Sun, 10 Nov 2002 19:03:09 -0600
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-106467-2002.11.10-19.47.12--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

```
The Alinco credit card HT's should work.  They have a external speaker/mic
so everything you need for packet is available.



---
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To unsubscribe send a blank email to leave-aprssig-842K@lists.tapr.org
Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org
```

180. [aprssig] Re: Smallest HT w/APRS "hookup"?

From: "Ev Tupis (W2EV)" <w2ev@arrl.net>
Date: Sun, 10 Nov 2002 19:59:25 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-106468-2002.11.10-19.47.33--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

```
Ken Cechura wrote:
>
> Supposedly Radio Shack is closing out on their HTX200 for about $50....
> This might  be a chicagoland only thing, or nation wide...  I can
> neither verify it nor deny it, but if they are, it might be what you'r
> elooking for....  300 mW 2M only, with slightly extended receive.

Ken,
Have you used this trancsceiver on APRS?  This looks interesting!
Ev


---
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To unsubscribe send a blank email to leave-aprssig-842K@lists.tapr.org
Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org
```

181. [aprssig] Hit-and-Run: Domain Help

From: "Ev Tupis (W2EV)" <w2ev@arrl.net>
Date: Sun, 10 Nov 2002 20:59:17 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-106469-2002.11.10-20.47.12--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

```
Yes, it's that time again... I need help with something that is off-topic to the
list... but for which I believe someone can help.

*** Please reply directly, and not to the list ***

I need to generate a list of Internet domain names that exist that include a
certain word.  Example: "microsoft".  I want to see a list of every Internet
domain that includes "microsoft", including "microsoft.sucks...".  That sort of
thing.

I've got to believe that such a function should be possible.  Would someone
reach me directly with info...please?

*** Please reply directly, and not to the list ***
```

Thank you for your indulgence, Stan... and group.

Kind regards,
Ev Tupis, W2EV

*** Please reply directly, and not to the list ***

You are currently subscribed to aprssig as: lyris.aprssig@tapr.org
To unsubscribe send a blank email to leave-aprssig-842K@lists.tapr.org
Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

182. [aprssig] R327CA1D2 ?

From: Earl Needham <needhame@yucca.net>
Date: Sun, 10 Nov 2002 19:07:15 -0700
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-106470-2002.11.10-20.51.41--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

I've been out of touch with the list recently, and maybe I missed it, but
what is R327CA1D2 as seen at
http://www.findu.com/cgi-bin/find.cgi?call=R327CA1D2 ?

Thanks,
Earl

Earl Needham, KD5XB, Clovis, New Mexico DM84jk
KD5XB-2>APW251,PCSAT-1%:=3425.83N/10313.55W-PHG7150/WinAPRS 2.5.1
-EARL_CLOVIS -251-<630>
SETI@Home: 7310WU/5.53yrs!

You are currently subscribed to aprssig as: lyris.aprssig@tapr.org
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Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

183. [aprssig] Re: R327CA1D2 ?

From: "Ronald Reams" <wa4mjf@worldnet.att.net>
Date: Sun, 10 Nov 2002 21:18:39 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-106476-2002.11.10-21.03.24--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Well, I see it is near Roswell and you're a SETI guy.

Might be a spaceship!

73 de Ronnie

----- Original Message -----
From: "Earl Needham" <needhame@yucca.net>
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Sent: Sunday, November 10, 2002 21:07
Subject: [aprssig] R327CA1D2 ?

I've been out of touch with the list recently, and maybe I missed it, but
what is R327CA1D2 as seen at
http://www.findu.com/cgi-bin/find.cgi?call=R327CA1D2 ?

Thanks,
Earl

Earl Needham, KD5XB, Clovis, New Mexico DM84jk
KD5XB-2>APW251,PCSAT-1%:=3425.83N/10313.55W-PHG7150/WinAPRS 2.5.1
-EARL_CLOVIS -251-<630>
SETI@Home: 7310WU/5.53yrs!

```
---
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Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org
```

---

184. [aprssig] Re: R327CA1D2 ?

From: Steve Dimse <k4hg@tapr.org>
Date: Sun, 10 Nov 2002 21:28:41 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: TAPR APRS Special Interest Group <aprssig@lists.tapr.org>
Message-ID: <LYR842-106477-2002.11.10-21.12.27--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

```
On 11/10/02 at 7:07 PM needhame@yucca.net (Earl Needham) sent:

>   I've been out of touch with the list recently, and maybe I missed it, but
>what is R327CA1D2 as seen at
>http://www.findu.com/cgi-bin/find.cgi?call=R327CA1D2 ?
>
I think this is part of the dump of internet weather data someone has been
putting on the APRS IS lately. Interestingly enough, it is not even a legal APRS
format, as the spec does not provide for weather data within the object format.
This is good though, I had to pay for storage of such data.

Personally I consider the routine placement of large amounts of weather data
which is easily available from many other internet sources to be an abuse of the
APRS IS, but since no one is in control, there is nothing I or anyone else can
do to stop it.

Steve K4HG

---
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Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org
```

---

185. [aprssig] Re: R327CA1D2 ?

From: Gerry Creager N5JXS <gerry.creager@tamu.edu>
Date: Sun, 10 Nov 2002 20:50:39 -0600
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: TAPR APRS Special Interest Group <aprssig@lists.tapr.org>
Message-ID: <LYR842-106478-2002.11.10-21.34.01--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

```
My personal preference would be to see the additional weather offered
from seperate servers and accessible to all who are interested.  That'd
include me, as I'm interested in it.

However, there are folks who use the system around the world who pay by
the byte, and they don't really care about a TCOON bouy off the S. Texas
coast.  I don't think they should have to incur that extra expense.

gerry


Steve Dimse wrote:
> On 11/10/02 at 7:07 PM needhame@yucca.net (Earl Needham) sent:
>
>
>>  I've been out of touch with the list recently, and maybe I missed it, but
>>what is R327CA1D2 as seen at
>>http://www.findu.com/cgi-bin/find.cgi?call=R327CA1D2 ?
>>
>
> I think this is part of the dump of internet weather data someone has been
> putting on the APRS IS lately. Interestingly enough, it is not even a legal APRS
> format, as the spec does not provide for weather data within the object format.
> This is good though, I had to pay for storage of such data.
>
> Personally I consider the routine placement of large amounts of weather data
> which is easily available from many other internet sources to be an abuse of the
> APRS IS, but since no one is in control, there is nothing I or anyone else can
> do to stop it.
>
> Steve K4HG
>
> ---
> You are currently subscribed to aprssig as: gerry.creager@tamu.edu
> To unsubscribe send a blank email to leave-aprssig-842K@lists.tapr.org
> Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org


--
Gerry Creager -- gerry.creager@tamu.edu
Network Engineering, Academy for Advanced Telecommunications
Texas A&M University, College Station, TX
Office: 979.458.4020 FAX: 979.847.8578 Cell: 979.229.5301
Page: 979.228.0173 -or- gcreager@my2way.com


---
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Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org
```

186. [aprssig] Re: Smallest HT w/APRS "hookup"?

From: "Mark Fellhauer" <sparkfel@qwest.net>
Date: Sun, 10 Nov 2002 20:36:28 -0600
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-106479-2002.11.10-21.34.17--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

```
At 07:03 PM 11/10/02, Roy Bost wrote:

>The Alinco credit card HT's should work.  They have a external speaker/mic
>so everything you need for packet is available.
>

There was a lenghty discussion about this HT before on the SIG.  If I
remember they have a power save feature which can't be turned off and it
renders them poor performers for APRS/Packet.

Mark
KC7BXS



---
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Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org
```

187. [aprssig] Re: CD SOFTWARE [was: ID versus NOID digis]

From: Bob Nielsen <nielsen@oz.net>
Date: Sun, 10 Nov 2002 18:53:26 -0800
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-106480-2002.11.10-21.37.55--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

```
On Sun, Nov 10, 2002 at 03:18:34PM -0500, Ev Tupis (W2EV) wrote:
> > > The next most important thing [in my opinion] to be assured of is that the TNC
> > > is setup for CD SOFTWARE.  Doing so allows the transceiver's squelch to be fully
> > > open and the Kantronic's firmware to Carrier Detect.  You will find it to be
> > > much more sensitive on RX as a result.  This is a *major* Kantronics advantage
> > > that no other manufacturer (to my knowledge) has as a *stock* feature.
>
> > There are some other manufacturers (Symek and I believe recent MFJ
> > models) that have TNCs with stock hardware DCD which works quite well
> > with a receiver that has open squelch.  Many others do need
> > modifications, however (TAPR has kits for this purpose).
>
> Thanks for the info, Bob.  I checked the Symek page and couldn't find any
> information on DCD.  It may have been buried in the German somewhere. :o)  I was
> amazed to see just how cheap those TNC's are!  I'm amazed they haven't found a
> broader market in the USA.
>
> The MFJ 1270c and 1274c manuals say things like "DCD is is optimized for HF
> operation".  I don't know how/if it operates on VHF.
>
> It would be interesting to put together a chart of TNC manufacturers and the
> functions that are important to APRS and "line 'em up".

Hi Ev,

The Symek model I am referring to is the TNC-2S.  It uses a 3105 as the
modem but also has an XR2211 chip which is used only to derive DCD.  It
worked great for me.  I just checked the Symek web pages and apparently
the TNC-2S is no longer being produced.  The description of the 1200
```

baud AFSK modem for the TNC3S and TNC-31 indicates that the 2211 DCD
circuit is used in these also. The description of the TNC-21 (which
appears to have replaced the TNC-2S) in German (aber meine deutsch ist
nicht so gut) also mentions the XR2211, so it possibly uses the same
circuit.

I haven't actually used a 1270C and don't have any details (the manual
is on MFJ's web site, but does not include a schematic), but understood
that the DCD revisions were based on N7CL's PSR articles (these
improvements, which help both HF and AFSK DCD are included in the TAPR
XR2211 DCD mod kit). The DCD circuit in the original TNC-2 demodulator
design (e.g., 1270B) works fairly well for open-squelch operation for
many radios, but as well for others (it depends on the noise
characteristics of the radio).

Actually Eric came up with a much simpler mod for AFSK only (non-HF)
for the TNC-2 which involves only two resistors and a capacitor. I
don't think this was ever published in PSR, but it is documented in
N7OO's manual for TheNet Plus. I have used this on several 1270B TNCs
and it works quite well with open squelch.

TNCs using the TCM-3105 chip (or the AM-7910) must use the squelch in
the radio unless they have the TAPR state-machine DCD circuit or some
other way to derive a valid DCD signal (as does the TNC-2S). The 3105
was designed for telephone-modem use and its DCD cannot adequately
distinguish between noise and a data signal. As most of us are
well-aware, radio squelch circuits are typically fairly slow and
require longer TXD settings in everyones TNC.

I recall seeing somewhere a reference to a version of KISS which
includes software DCD, but I am unable to locate this (I believe it was
done in Japan) and do not know how well it performs.

73, Bob N7XY

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---

188. [aprssig] Small DOS computer

From: "Reid Crowe" <kc0idi@techie.com>
Date: Sun, 10 Nov 2002 22:08:49 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-106482-2002.11.10-21.56.52--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Does anyone know where I can find a very small computer that will run DOS? I would like to run DOSAPRS
and other packet programs portable. Please do not reply to this address. Reply to: kc0idi@arrl.net
Thanks for your help!
VY 73 DE Reid, KC0IDI
--
____
Sign-up for your own FREE Personalized E-mail at Mail.com
http://www.mail.com/?sr=signup

Single & ready to mingle? lavalife.com: Where singles click. Free to Search!
http://www.lavalife.com/mailcom.epl?a=2116

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Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

---

189. [aprssig] Re: R327CA1D2 ?

From: Bill Diaz <william.diaz@attbi.com>
Date: Sun, 10 Nov 2002 21:33:18 -0600
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-106492-2002.11.10-22.17.05--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Gerry,

On Sunday, November 10, 2002 20:51, Gerry Creager N5JXS
[SMTP:gerry.creager@tamu.edu] wrote:
> My personal preference would be to see the additional weather offered
> from seperate servers and accessible to all who are interested. That'd

> include me, as I'm interested in it.

There are presently two servers that provide the additional weather content
in addition to the standard APRS IS feed. This includes RAWS, Buoys,
Ships, Fires, River flow information, Iowas's Roadway Information weather
system, Iowa SchoolNet weather etc. with more to follow. This information
is of interest to some Emergency Management and various public agencies.

AFAIK this information is not sent to the APRS IS on a regular basis. The
R327CA1D2 listing on findu is 7 days old and I am told it was sent to the
IS in error.

Bill KC9XG

> However, there are folks who use the system around the world who pay by
> the byte, and they don't really care about a TCOON bouy off the S. Texas
> coast. I don't think they should have to incur that extra expense.
>
> gerry
>
>
> Steve Dimse wrote:
> > On 11/10/02 at 7:07 PM needhame@yucca.net (Earl Needham) sent:
> >
> >
> >> I've been out of touch with the list recently, and maybe I missed it,
but
> >>what is R327CA1D2 as seen at
> >>http://www.findu.com/cgi-bin/find.cgi?call=R327CA1D2 ?
> >>
> >
> > I think this is part of the dump of internet weather data someone has
been
> > putting on the APRS IS lately. Interestingly enough, it is not even a
legal APRS
> > format, as the spec does not provide for weather data within the object
format.
> > This is good though, I had to pay for storage of such data.
> >
> > Personally I consider the routine placement of large amounts of weather
data
> > which is easily available from many other internet sources to be an
abuse of the
> > APRS IS, but since no one is in control, there is nothing I or anyone
else can
> > do to stop it.
> >
> > Steve K4HG
> >
> > ---
> > You are currently subscribed to aprssig as: gerry.creager@tamu.edu
> > To unsubscribe send a blank email to
leave-aprssig-842K@lists.tapr.org
> > Questions regarding the SIG go to the SIG administrator:
wa1lou@tapr.org
>
>
> --
> Gerry Creager -- gerry.creager@tamu.edu
> Network Engineering, Academy for Advanced Telecommunications
> Texas A&M University, College Station, TX
> Office: 979.458.4020 FAX: 979.847.8578 Cell: 979.229.5301
> Page: 979.228.0173 -or- gcreager@my2way.com
>
>
> ---
> You are currently subscribed to aprssig as: kc9xg@attbi.com
> To unsubscribe send a blank email to leave-aprssig-842K@lists.tapr.org
> Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

---
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Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

190. [aprssig] Re: R327CA1D2 ?

From: Bill Diaz <william.diaz@attbi.com>
Date: Sun, 10 Nov 2002 21:34:38 -0600

To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-106493-2002.11.10-22.18.32--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Steve

On Sunday, November 10, 2002 20:29, Steve Dimse [SMTP:k4hg@tapr.org] wrote:
> On 11/10/02 at 7:07 PM needhame@yucca.net (Earl Needham) sent:
>
> >   I've been out of touch with the list recently, and maybe I missed it, but
> >what is R327CA1D2 as seen at
> >http://www.findu.com/cgi-bin/find.cgi?call=R327CA1D2 ?
> >
> I think this is part of the dump of internet weather data someone has been
> putting on the APRS IS lately. Interestingly enough, it is not even a legal APRS
> format, as the spec does not provide for weather data within the object format.
> This is good though, I had to pay for storage of such data.

Refer to page 64 of the spec, "Complete Weather Report Format--With object and lat long position"

> Personally I consider the routine placement of large amounts of weather data
> which is easily available from many other internet sources to be an abuse of the
> APRS IS, but since no one is in control, there is nothing I or anyone else can
> do to stop it.

Citizens weather is also available from other sources on the Internet. Are you suggesting that CW has
no place on the APRS IS as well?

Bill KC9XG

> Steve K4HG
>
> ---
> You are currently subscribed to aprssig as: kc9xg@attbi.com
> To unsubscribe send a blank email to leave-aprssig-842K@lists.tapr.org
> Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

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Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

---

191. [aprssig] Re: R327CA1D2 ?

From: Steve Dimse <k4hg@tapr.org>
Date: Sun, 10 Nov 2002 22:48:53 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: TAPR APRS Special Interest Group <aprssig@lists.tapr.org>
Message-ID: <LYR842-106494-2002.11.10-22.32.40--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

On 11/10/02 at 9:18 PM william.diaz@attbi.com (Bill Diaz) sent:

>Refer to page 64 of the spec, "Complete Weather Report Format--With object and
>lat long position"
>
I stand corrected...the Object section of the spec makes no mention of weather
data (but does mention every other form of data that can go there), perhaps that
ought to be corrected...

>> Personally I consider the routine placement of large amounts of weather data
>> which is easily available from many other internet sources to be an abuse of
>the
>> APRS IS, but since no one is in control, there is nothing I or anyone else
can
>> do to stop it.
>
>Citizens weather is also available from other sources on the Internet. Are you
>suggesting that CW has no place on the APRS IS as well?
>
CW is NOT available from any other source...

Steve K4HG

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Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

192. [aprssig] Re: Smallest HT w/APRS "hookup"?

From: "Peter \"Dakota\" Summerhawk" <dakotas@dotorg.org>
Date: Sun, 10 Nov 2002 20:51:54 -0700
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-106495-2002.11.10-22.36.20--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

```
You are correct Mark the alinco has a power save that can't be turned off. I
tried a personal tracker with a handspring, C5 and a etrex but missed most
of the packets and the powersave cuts off the first part of the packet.
Peter
----- Original Message -----
From: "Mark Fellhauer" <sparkfel@qwest.net>
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Sent: Sunday, November 10, 2002 7:36 PM
Subject: [aprssig] Re: Smallest HT w/APRS "hookup"?


> At 07:03 PM 11/10/02, Roy Bost wrote:
>
> >The Alinco credit card HT's should work.  They have a external
speaker/mic
> >so everything you need for packet is available.
> >
>
> There was a lenghty discussion about this HT before on the SIG.  If I
> remember they have a power save feature which can't be turned off and it
> renders them poor performers for APRS/Packet.
>
> Mark
> KC7BXS
>
>
>
> ---
> You are currently subscribed to aprssig as: Dakotas@dotorg.org
> To unsubscribe send a blank email to leave-aprssig-842K@lists.tapr.org
> Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org
>


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Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org
```

193. [aprssig] Tactical call signs?

From: "Peter \"Dakota\" Summerhawk" <dakotas@dotorg.org>
Date: Sun, 10 Nov 2002 20:57:49 -0700
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-106496-2002.11.10-22.41.44--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

```
I have been seeing some calls that have gone by in the past few months and
was curious, does the APRS format allow the use of tac call signs? I have
seen a few that have been Tac-1 and Tac-4 but no call attached to either of
them. Lookup on findu revealed that they are mobile stations and did not
respond to messages so I am going to assume that they are dumb trackers. Is
there somewhere in the protocol that there has to be a call sign attached to
them if they are using the ham bands? Need the information if someone can
enlighten me.
Thanks
N0WRE-Peter
Peter "Dakota" Summerhawk N0WRE
http://groups.yahoo.com/group/Foxhunt
http://groups.yahoo.com/group/SE_WY_Skywarn
http://groups.yahoo.com/group/WY-OEM
http://groups.yahoo.com/group/WY_ARES
http://groups.yahoo.com/group/WY_CERT


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Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org
```

194. [aprssig] Re: R327CA1D2 ?

From: "Spider" <spider@rivcom.net>
Date: Sun, 10 Nov 2002 21:16:17 -0700
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-106497-2002.11.10-23.00.30--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

----- Original Message -----
From: "Earl Needham" <needhame@yucca.net>
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Sent: Sunday, November 10, 2002 7:07 PM
Subject: [aprssig] R327CA1D2 ?

>
> I've been out of touch with the list recently, and maybe I missed it, but
> what is R327CA1D2 as seen at
> http://www.findu.com/cgi-bin/find.cgi?call=R327CA1D2 ?
>
> Thanks,
> Earl
>

Earl,

This is a RAWS (Remote Automated Weather Station) either owned by the BLM or the USDAFS. APRSFIRENET sends this and other related type data, such as Wildland Fire, Earthquakes, RWIS DOT stations, Ocean going ships and Buoy's as well as land based U. S. Coast Guard C-Man stations, etc. to two servers (and more on the way) that are not the APRS-IS. APRSFIRENET does have the ability to send this type of information out to the APRS-IS and this was tested about two months ago. About a week ago RAWS data was sent to the APRS for a short period due to a configuration issue which, once found, was immediately corrected.
The Data you see on the APRSFIRENET is available NO WHERE ELSE IN THE WORLD in the format it is presented in and as a whole. Although some people say it is readily available elsewhere, it is not available in the APRS format (even if it is modified to work), nor is it available, generally in such a timely manner, usable by mobile RF units or to the APRS community as a whole.
APRSFIRENET is a new network. It includes the APRS-IS feed. It is made up of people that are in public service, have an interest in public service.
You can see more information about APRSFIRENET at www.aprsfire.net or www.wa6oft.com
APRSFIRENET has a good group of people working on this project and the response is very good for those that are interested in this sort of thing.
It is not for everyone, obviously.
Hope this answers your question.

Jim, WA6OFT

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To unsubscribe send a blank email to leave-aprssig-842K@lists.tapr.org
Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

195. [aprssig] Re: R327CA1D2 ?

From: "Spider" <spider@rivcom.net>
Date: Sun, 10 Nov 2002 21:47:14 -0700
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-106498-2002.11.10-23.31.11--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

----- Original Message -----
From: "Steve Dimse" <k4hg@tapr.org>
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Sent: Sunday, November 10, 2002 8:48 PM
Subject: [aprssig] Re: R327CA1D2 ?

> >
> CW is NOT available from any other source...
>
> Steve K4HG
>

Steve, many of the CW stations (about 600 total CWOP stations...hams and non-hams) on the APRS-IS are non hams. A very large percentage of CWOP stations are in fact, WXFORYOU stations, which is another Meso provider. Not only are the CWOP stations WXFORYOU stations, many of them are volunteer stations for WeatherUnderGround. And, the WXFORYOU stations are increasing as are the WeatherForYou stations. So, in a sense, this data is available elsewhere on the web. I do not know if you are aware of this or not or if you care. However, I do support the CWOP effort.

Jim, WA6OFT

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Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

196. [aprssig] Re: Smallest HT w/APRS "hookup"?

From: Bruce Coates <bruce.coates@sk.sympatico.ca>
Date: Sun, 10 Nov 2002 22:47:14 -0600
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-106499-2002.11.10-23.31.28--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

I recently succeeded in gathering everything together that I needed for my dream station.

I run an Alinco C1 credit card radio, Heath Pocket Packet TNC and PocketAPRS on Palm IIIC. (No GPS .... yet) It works great and the whole "station" fits nicely into small camera case.

Power save and auto power off can both be disabled on the C1. With just a 3 inch antenna and 300mw of power, you don't want to be too far from the local digipeater. I'm about 3 miles away and it works great.

73 - Bruce - VE5BNC

----- Original Message -----
From: "Ev Tupis (W2EV)" <w2ev@arrl.net>
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Sent: Sunday, November 10, 2002 6:03 PM
Subject: [aprssig] Smallest HT w/APRS "hookup"?

> What is the smallest H-T with external connections for hookup to a
TNC/AGWPE?
> Power level is unimportant to my search.
>
> Ev, W2EV
>
>
> ---
> You are currently subscribed to aprssig as: bruce.coates@sk.sympatico.ca
> To unsubscribe send a blank email to leave-aprssig-842K@lists.tapr.org
> Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org
>

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Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

197. [aprssig] Re: R327CA1D2 ?

From: "Russ Chadwick" <kb0tvj@peakpeak.com>
Date: Mon, 11 Nov 2002 05:29:06 -0000
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-106505-2002.11.11-00.13.05--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Comments on APRSWXNET/CWOP data availability on the internet below

----- Original Message -----

From: "Spider" <spider@rivcom.net>
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Sent: Monday, November 11, 2002 4:47 AM
Subject: [aprssig] Re: R327CA1D2 ?

>
> ----- Original Message -----
> From: "Steve Dimse" <k4hg@tapr.org>
> To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
> Cc: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
> Sent: Sunday, November 10, 2002 8:48 PM
> Subject: [aprssig] Re: R327CA1D2 ?
>
>
> > >
> > CW is NOT available from any other source...
> >
> > Steve K4HG
> >
>
> Steve, many of the CW stations (about 600 total CWOP stations...hams and non-hams) on the APRS-IS are non hams. A very large percentage of CWOP stations are in fact, WXFORYOU stations, which is another Meso provider.

I operate the CWOP program and put much effort into eliminating duplicate postings to APRSWXNET and WeatherForYou because duplicate postings of data from the same stations cause considerable difficulty with our quality checking algorithms. While there may be some duplicates, we work hard to make sure that each data source is in either one or the other, but not both.

> Not only are the CWOP stations WXFORYOU stations, many of them are volunteer
> stations for WeatherUnderGround. And, the WXFORYOU stations are increasing
> as are the WeatherForYou stations. So, in a sense, this data is available
> elsewhere on the web.

The APRSWXNET/CWOP data set, which is distributed widely to many different government organizations, is not available anywhere else on the internet. The APRS-IS acts as the data collection part of the APRSWXNET/CWOP data set and is not the data distribution part. The data distribution part is called MADIS. There's more information on this on www.wxqa.com

Some of the stations may also post to Weather Underground, but none of the Weather Underground data is acquired for the NOAA mesonet data set.

Russ Chadwick KB0TVJ
Boulder, Colorado
www.wxqa.com

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198. [aprssig] Re: R327CA1D2 ?

From: Steve Dimse <k4hg@tapr.org>
Date: Mon, 11 Nov 2002 00:40:43 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: TAPR APRS Special Interest Group <aprssig@lists.tapr.org>
Message-ID: <LYR842-106507-2002.11.11-00.24.31--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

On 11/10/02 at 9:16 PM spider@rivcom.net (Spider) sent:

>The Data you see on the APRSFIRENET is available NO WHERE ELSE IN THE WORLD
>in the format it is presented in and as a whole. Although some people say
>it is readily available elsewhere, it is not available in the APRS format
>(even if it is modified to work), nor is it available, generally in such a
>timely manner, usable by mobile RF units or to the APRS community as a
>whole.

Let me explain further. From early in the APRS IS's history, I received requests from people that wanted to reformat data from commercial and government sources and add it to the APRS IS stream. While I was managing the APRS IS I looked at each of the requests individually, based on the load on the server, the ease of getting the information elsewhere, and the utility of the data.

An easy decision, for example, was Dale's server that gates the EMWIN warning data. While the volume at times could be high, it had the potential to save someone's life. A harder example was the quake server...it puts out very little data, and although I could see little utility for announcing where those equakes were (of course I live in an area not prone to earthquakes) I allowed that use. The Citizen's weather data was very useful, and available from no other place, so I allowed that.

On the other hand, the most common request, which happened at least 5 times, was people that wanted to take weather data from the NWS and reformat it into APRS data. This data is readily available from hundreds of web sites, NOAA weather radio, and broadcast outlets. The volume of the data could be quite high, and the latency longer than typical in APRS. Therefore I said no each and every time.

Once the APRS IS was no longer managed, there was no way to keep people from doing this, and in fact several people have done it. So far, these are used for localized areas, the impact on the APRS IS has not been large, but if, for example, someone were to dump the full FSL Mesonet feed, the effect on the APRS IS would be severe. Someone writing such a program could truthfully say that the data "is available NO WHERE ELSE IN THE WORLD in the format it is presented", but that would be little consolation for the damage it would cause to the APRS IS.

I had not heard of APRSFIRENET before today, and I do not have any problems with it as it is apparently implemented. My concern is with undisciplined, large scale gating of data. And if I understand what you have said, this data is intended for mobiles and therefore must on RF. I have never had ANY concerns about (or attempted to excercise any control over) RF data that is sent to the APRS IS. The principle purpose of APRS IS is to gather the data from RF around the world...if a locality sees fit to send data on an RF APRS channel, it absolutely, positively belongs on the APRS IS.

Steve K4HG

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---

199. [aprssig] Re: CD SOFTWARE [was: ID versus NOID digis]

From: David L Norris <dave@webaugur.com>
Date: 11 Nov 2002 02:28:27 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: "TAPR APRS Special Interest Group <aprssig@lists.tapr.org>
<LYR26593-106480-2002.11.10-21.37.55--kg9ae#webaugur.com@lists.tapr.org>
<LYR27060-106362-2002.11.09-22.15.46--w2ev#arrl.net@lists.tapr.org>"
<LYR18800-106392-2002.11.10-07.36.28--nielsen#oz.net,
"6.33--nielsen#oz.net@lists.tapr.org>"
<LYR26593-106480-2002.11.10-21.37.55--kg9ae#webaugur.com@lists.tapr.org>
Message-ID: <LYR842-106517-2002.11.11-02.15.53--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

On Sun, 2002-11-10 at 21:53, Bob Nielsen wrote:
> I haven't actually used a 1270C and don't have any details (the manual
> is on MFJ's web site, but does not include a schematic), but understood
> that the DCD revisions were based on N7CL's PSR articles (these
> improvements, which help both HF and AFSK DCD are included in the TAPR
> XR2211 DCD mod kit). The DCD circuit in the original TNC-2 demodulator
> design (e.g., 1270B) works fairly well for open-squelch operation for
> many radios, but as well for others (it depends on the noise
> characteristics of the radio).

MFJ-1270C is, of course, a TAPR TNC-2 clone with (a supposedly) improved DCD circuit. I believe there is a schematic of that circuit in the printed manual...

I use a 1270C with the (buffered, mic jack) discriminator output of my Icom IC-229H. DCD on the 1270C works much better than I expected. I had been using AEA TNCs which might as well have not bothered with a software DCD. There have been times when I thought the 1270C's DCD could be a little better; but maybe only a little better.

--
David Norris
Dave's Web - http://www.webaugur.com/dave/
Augury Net - http://home.webaugur.com/

ICQ - 412039

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200. [aprssig] Re: Small DOS computer

From: Bill Vodall - WA7NWP <wa7nwp@yahoo.com>
Date: Sun, 10 Nov 2002 23:53:48 -0800
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-106518-2002.11.11-02.38.02--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

At 10:08 PM 11/10/02 -0500, you wrote:
>Does anyone know where I can find a very small computer that will run DOS? I would like to run DOSAPRS and other packet programs portable. Please do not reply to this address. Reply to: kc0idi@arrl.net
>Thanks for your help!

I've had good luck with an HP-100LX palmtop. HP-200 would be even better. HP-95 has a smaller display and thus won't work for APRSDOS. Newer machines are WinCE devices and thus won't run DOS applications.

Bill, WA7NWP

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201. [aprssig] Re: Small DOS computer

From: "Mark Fellhauer" <sparkfel@qwest.net>
Date: Mon, 11 Nov 2002 02:10:11 -0600
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-106522-2002.11.11-02.54.10--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

At 01:53 AM 11/11/02, Bill Vodall - WA7NWP wrote:

>   Newer machines are WinCE
>devices and thus won't run DOS applications.

Ahhh, but there are DOS emulators for PPC and WinCE machines...

There are any number of smallish 386 and 486 Palmtops, like the Gateway Handbook, that can still be found, if you shop around.

I've seen the old Toshiba Librettos sell for as little as 100 bucks...usually the go on eBay for less than $150.

I may have a few micro-footprint POS 486's laying around in the garage...   No built-in display, and they run on 120 volts. But they are small.

Mark
KC7BXS

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202. [aprssig] Re: Small DOS computer

From: "Mike Yetsko" <myetsko@insydesw.com>
Date: Mon, 11 Nov 2002 06:41:52 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-106527-2002.11.11-06.26.03--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

> Does anyone know where I can find a very small computer that will run
DOS? I would like to run DOSAPRS and other packet programs portable.

Please do not reply to this address. Reply to: kc0idi@arrl.net
> Thanks for your help!
> VY 73 DE Reid, KC0IDI

I while back, the place I used to work was dumping out SBC's. These were Lanner EM-520 boards. Essentially 180MHz Pentiums with video, sound, 4 com-ports, USB, Network, printer.... In fact, just about anything you'd need, or want, on a single small PCB. The only thing they DIDN'T have was TV out (they were a custom build) and they only had ONE IDE channel (as opposed to most motherboards that have two). They DID have VGA and even an LCD panel driver.

I can check to see if more are still available if you want. I'm pretty sure they are. At the time, they were dumping them for $75.

Oh, they would boot DOS and Linux, but if you booted WIN98SE then you could bring up full USB support and the network.

Mike

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---

203. [aprssig] Push-Pull Servers (Was Re: R327CA1D2 ?)

From: "AE5PL Lists" <HamLists@ametx.com>
Date: Mon, 11 Nov 2002 06:13:29 -0600
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-106531-2002.11.11-06.57.18--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

> -----Original Message-----
> From: Steve Dimse [mailto:k4hg@tapr.org]
> Posted At: Sunday, November 10, 2002 11:42 PM
> Subject: [aprssig] Re: R327CA1D2 ?
>
> I had not heard of APRSFIRENET before today, and I do not
> have any problems with it as it is apparently implemented. My
> concern is with undisciplined, large scale gating of data.
> And if I understand what you have said, this data is intended
> for mobiles and therefore must on RF. I have never had ANY
> concerns about (or attempted to excercise any control over)
> RF data that is sent to the APRS IS. The principle purpose of
> APRS IS is to gather the data from RF around the world...if a
> locality sees fit to send data on an RF APRS channel, it
> absolutely, positively belongs on the APRS IS.

As implemented, APRSFIRENET cannot be selectively gated to RF as it generates objects from the same source station. The information which Dale's weather server generates can be selectively gated. I have recommended on the Specification SIG that designers of these special information servers consider implementing a pull type of information flow instead of a push information flow. For instance, Dale's server would still push (broadcast) the abbreviated watch, warning, and information messages but would only broadcast verbose messages in response to simple queries. APRSFIRENET (FIRE) could respond to a query with a message (or messages) containing the requested information. This would not preclude the current configuration where someone wanting the full APRSFIRENET feed can connect directly to the APRSFIRENET server. In fact, that would be encouraged.

Servers using a push-pull method might be the WXSVR and QUAKE (earthquake information would only be repeated upon request). Servers using a pull method might be METAR, FIRE, BUOY, RADAR, etc. As explained on the Specification SIG, the queries would be short APRS messages allowing things such as latest, nearest, within range, etc.

By approaching APRS-IS information dispersal in this manner, we reduce the overall load on APRS-IS, increase the availability of information that might be useful to RF stations, and the server designers will get a better idea of how many people actually desire the information they disperse. This last part will help them determine what and how the best method of dissemination should occur. Even the Citizens Weather could be done this way with findu connecting to the "CWOP" servers.

This approach keeps APRS-IS as an effective high-speed backbone between APRS RF networks around the world while giving the RF user selective access to local information such as weather via APRS messaging. By moving all of the broadcast information, such as CWOP, METAR, etc., to their own servers, the load on APRS-IS will be dramatically reduced yet the data will still be available to RF via queries. The CWOP information would also be available to findu via findu connecting directly to the CWOP specialized servers.

I will also make this offer to those designing specialized servers: I will be glad to design a Java "front-end" which will act as a query processor. The "front-end" would go between the specialized server full dump port and APRS-IS. This would require, however, some consensus as to the queries and the format of the responses. That discussion, I think, would be better handled on the Specification SIG as it would affect most future specialized server development.

73,

Pete Loveall AE5PL
pete@ae5pl.net

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204. [aprssig] Re: Tactical call signs?

From: Phil Reed <preed@dnaco.net>
Date: Mon, 11 Nov 2002 07:10:12 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-106532-2002.11.11-07.00.08--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Yes, the APRS format allows tactical callsigns. This is a debate that comes up periodically. I believe the most practical position is that if the operator is putting his callsign in a packet somewhere, he's most probably legal. The best place to put a callsign would be in a periodically-transmitted (once every 9 minutes or so) status message.

At 08:57 PM 11/10/2002 -0700, Peter \"Dakota\" Summerhawk wrote:
>I have been seeing some calls that have gone by in the past few months and
>was curious, does the APRS format allow the use of tac call signs? I have
>seen a few that have been Tac-1 and Tac-4 but no call attached to either of
>them. Lookup on findu revealed that they are mobile stations and did not
>respond to messages so I am going to assume that they are dumb trackers. Is
>there somewhere in the protocol that there has to be a call sign attached to
>them if they are using the ham bands? Need the information if someone can
>enlighten me.
>Thanks
>N0WRE-Peter
>Peter "Dakota" Summerhawk N0WRE

...phil / w8sca

"For a list of all the ways technology has failed
to improve the quality of life, press 3."

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205. [aprssig] Severe WX Outbreak

From: dale huguley <kg5qd@earthlink.net>
Date: 11 Nov 2002 07:27:51 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-106533-2002.11.11-07.21.58--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Hi All-
Murphy's Law predicts the day I take the WXSVR down will be one of the worst weather severe wx days of this year. Luckily I was able to move the DSL line to another room and fire the sever up again -if somewhat cramped. The log looked like hundreds of severe thunderstorm and

tornado plots over the last 24 hours. I have no way of viewing this graphically for the next few days. After I get the ham room back in operation I will try to post the log someplace for demo purposes.

73 de kg5qd Dale

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206. [aprssig] Re: R327CA1D2 ?

From: "Spider" <spider@rivcom.net>
Date: Mon, 11 Nov 2002 05:51:25 -0700
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-106535-2002.11.11-07.35.29--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

----- Original Message -----
From: "Steve Dimse" <k4hg@tapr.org>
To: "Spider" <spider@rivcom.net>
Cc: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Sent: Sunday, November 10, 2002 10:40 PM
Subject: Re: [aprssig] Re: R327CA1D2 ?

>
> I had not heard of APRSFIRENET before today, and I do not have any problems with
> it as it is apparently implemented. My concern is with undisciplined, large
> scale gating of data. And if I understand what you have said, this data is
> intended for mobiles and therefore must on RF.

Steve, One of the intentions is that it "can be used" on RF. This RF may or may not be "ham" radio.
Normally the APRS-IS will NEVER see this data because it is not part of the APRS-IS.
APRSFIRENET's main intention is public service. Pending approval, it will become part of the USA
Homeland Security system. Some of it already is.

It is a whole 'nother network that is compatible with APRS client software.
It is availible to those
that are interested in seeing more that what is on the APRS-IS.

73
Jim, WA6OFT

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Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

207. [aprssig] Re: Push-Pull Servers (Was Re: R327CA1D2 ?)

From: "Spider" <spider@rivcom.net>
Date: Mon, 11 Nov 2002 06:13:05 -0700
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-106536-2002.11.11-07.57.11--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

As implemented, APRSFIRENET cannot be selectively gated to RF as it generates objects from the same source station. The information which Dale's weather server generates can be selectively gated. I have recommended on the Specification SIG that designers of these special information servers consider implementing a pull type of information flow instead of a push information flow. For instance, Dale's server would still push (broadcast) the abbreviated watch, warning, and information messages but would only broadcast verbose messages in

response to simple queries. APRSFIRENET (FIRE) could respond to a query
with a message (or messages) containing the requested information. This
would not preclude the current configuration where someone wanting the
full APRSFIRENET feed can connect directly to the APRSFIRENET server.
In fact, that would be encouraged.

Pete,

APRSFIRENET has not been involved with these discussions, as far as I know.
Please do not let APRSFIRENET stop you from developing what you want the
APRS-IS to be.
Because APRSFIRENET is not part of the APRS-IS and has nothing to do with
TAPR,
I am not going to respond hereon this issue any further.

Jim, WA6OFT

---
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208. [aprssig] Re: Smallest HT w/APRS "hookup"?

From: "Roy Bost" <rbost@itexas.net>
Date: Mon, 11 Nov 2002 07:36:26 -0600
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-106540-2002.11.11-08.20.19--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

I do believe you're right....I seem to remember that discussion.

----- Original Message -----
From: "Mark Fellhauer" <sparkfel@qwest.net>
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Sent: Sunday, November 10, 2002 8:36 PM
Subject: [aprssig] Re: Smallest HT w/APRS "hookup"?

> At 07:03 PM 11/10/02, Roy Bost wrote:
>
> >The Alinco credit card HT's should work. They have a external
speaker/mic
> >so everything you need for packet is available.
> >
>
> There was a lenghty discussion about this HT before on the SIG. If I
> remember they have a power save feature which can't be turned off and it
> renders them poor performers for APRS/Packet.
>
> Mark
> KC7BXS
>
>
>
> ---
> You are currently subscribed to aprssig as: RBOST@ITEXAS.NET
> To unsubscribe send a blank email to leave-aprssig-842K@lists.tapr.org
> Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org
>
>

---
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Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

209. [aprssig] PCsat SPECIAL test.

From: Bob Bruninga <bruninga@usna.edu>
Date: Mon, 11 Nov 2002 09:05:57 -0500 (EST)
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-106542-2002.11.11-08.49.45--lyris.aprssig#tapr.org@lists.tapr.org>

Rendered body type: text/plain

SPECIAL PCsat Test:

I just activated the SPECIAL STORE-and-FORWARD mechanism on PCsat that will let it capture packets over completely isolated parts of the world and then regurgitate them at regular intervals around the rest of the world. The donwlink is on 144.39 and the TX rate is once a minute.

And with seconds to go before LOS, I finally got re-configured to send such a a packet. If this system works, then you should see my packet on 144.39 over the next day. The packet should be something like this:

From: WOCALL   (oops, didnt check the MYCALL till after the pass)
Position comment: PRIORITY
Icon: W
Status Text: empty

Ill try to do better next time...

The purpose of this mode is so that persons walking about Antarctica, or swimming in the South Pacific or South Atlantic will be able to have some priority message abiility via PCsat type satellites.

The uplink for this capability is the unpublished uplink for special remote travelers. If you are in this category, contact me for access. This mode will only last for a week or so until PCsat goes back into eclipses.

de WB4APR@amsat.org, Bob

PCsat WEB page   http://www.ew.usna.edu/~bruninga/pcsat.html
ISS-APRS FAQ: http://www.ew.usna.edu/~bruninga/iss-faq.html

You are currently subscribed to aprssig as: lyris.aprssig@tapr.org
To unsubscribe send a blank email to leave-aprssig-842K@lists.tapr.org
Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

210. [aprssig] APRS OBJECT formats

From: Bob Bruninga <bruninga@usna.edu>
Date: Mon, 11 Nov 2002 10:04:00 -0500 (EST)
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: TAPR APRS Special Interest Group <aprssig@lists.tapr.org>
Message-ID: <LYR842-106553-2002.11.11-09.47.45--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

On Sun, 10 Nov 2002, Steve Dimse wrote:

> putting on the APRS IS lately. Interestingly enough, it is not even a legal APRS format, as the spec does not provide for weather data within the object format.

For clarification, an OBJECT by definition was intended to be a means for transmitting any other type of APRS position report data, so anything that is permitted in a position report format, was intended to be able to be transmitted in an object report transparently.

Thus an OBJECT can contain weather, DF bearings, Omni-directional signal strength reports, PHG data, and of course CSE and SPEED data, and any other field defined for any other position report format. The fundamental idea was once an OBJECT is detected, then simply take the object name, and then shift left 10 bytes, and the result is a legal APRS position format that is then sent over to the position-format-parser..

The spec did not do a good job of conveying that transparency...

Bob, WB4APR

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211. [aprssig] Re: Push-Pull Servers (Was Re: R327CA1D2 ?)

From: "AE5PL Lists" <HamLists@ametx.com>
Date: Mon, 11 Nov 2002 09:04:23 -0600
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-106554-2002.11.11-09.48.35--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

```
> -----Original Message-----
> From: Spider [mailto:spider@rivcom.net]
> Posted At: Monday, November 11, 2002 7:15 AM
> Subject: [aprssig] Re: Push-Pull Servers (Was Re: R327CA1D2 ?)
>
> APRSFIRENET has not been involved with these discussions, as
> far as I know. Please do not let APRSFIRENET stop you from

You are correct.  You have not made any attempt to enter into
discussions about how to make the information on APRSFIRENET available
in a useful manner to the amateur radio APRS community.  However, data
inadvertently inserted onto APRS-IS from APRSFIRENET was how this
discussion began.

> developing what you want the APRS-IS to be. Because

Not what I want it to be, what APRS-IS has become: a high-speed
worldwide backbone between amateur radio RF networks.

> APRSFIRENET is not part of the APRS-IS and has nothing to do
> with TAPR, I am not going to respond hereon this issue any further.

So, from this statement we are to gather that APRSFIRENET is now a 100%
government/commercial venture with no connections to APRS-IS (including
feeds from APRS-IS)?  If this is the case, you might want to verify
licensing agreements of the client software and of the APRS trademark
for government or commercial use.

It is a pity that your organization will not communicate and discuss
methods of making this information available to the amateur radio
community in a usable form.  I am sure there are some hams on RF that
would like to be able to query for this information and your
organization's experiences would be a valuable contribution to how this
could be done.

Good luck on your endeavors.

73,

Pete Loveall AE5PL
pete@ae5pl.net

---
You are currently subscribed to aprssig as: lyris.aprssig@tapr.org
To unsubscribe send a blank email to leave-aprssig-842K@lists.tapr.org
Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org
```

212. [aprssig] Re: Smallest HT w/APRS "hookup"?

From: Bob Bruninga <bruninga@usna.edu>
Date: Mon, 11 Nov 2002 10:20:26 -0500 (EST)
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: TAPR APRS Special Interest Group <aprssig@lists.tapr.org>
Message-ID: <LYR842-106555-2002.11.11-10.04.21--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

```
On Sun, 10 Nov 2002, Mark Fellhauer wrote:

> There was a lenghty discussion about this HT before on the SIG.  If I
> remember they have a power save feature which can't be turned off and it
> renders them poor performers for APRS/Packet.

I instigated such a discussion on the Alinco DJ-S11 (the $88 FRS looking
like radio), but I don't remember whether anyone mentioned the credit
card radios as having the same problem.

The solution is to hold the squelch always open and then run software DCD
if your TNC can do it...

I am curious to konw about the power saver in the credit card radios?

Bob


---
```

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---

213. [aprssig] Re: R327CA1D2 ?

From: Bob Bruninga <bruninga@usna.edu>
Date: Mon, 11 Nov 2002 10:28:25 -0500 (EST)
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: TAPR APRS Special Interest Group <aprssig@lists.tapr.org>
Message-ID: <LYR842-106556-2002.11.11-10.12.11--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

On Sun, 10 Nov 2002, Steve Dimse wrote:

> data (but does mention every other form of data that can go there),
> perhaps that ought to be corrected...

I am working with Curt Mills to see if we cant put together an erratta
sheet and post it on a WEB page somewhere... thanks

Bob

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---

214. [aprssig] Re: Smallest HT w/APRS "hookup"?

From: "Roy Bost" <rbost@itexas.net>
Date: Mon, 11 Nov 2002 09:47:48 -0600
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-106558-2002.11.11-10.31.44--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

I just checked with a friend that has a dual band credit card Alinco and he
says that you can indeed turn off the battery saver! Push the "Function"
key until the BS comes up, then up or down arrow to turn BS off or on.

----- Original Message ----- > The solution is to hold the squelch always
open and then run software DCD
> if your TNC can do it...
>
> I am curious to konw about the power saver in the credit card radios?
>
> Bob
>
>
> ---
> You are currently subscribed to aprssig as: RBOST@ITEXAS.NET
> To unsubscribe send a blank email to leave-aprssig-842K@lists.tapr.org
> Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org
>
>

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To unsubscribe send a blank email to leave-aprssig-842K@lists.tapr.org
Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

---

215. [aprssig] Re: Smallest HT w/APRS "hookup"?

From: "Ev Tupis (W2EV)" <w2ev@arrl.net>
Date: Mon, 11 Nov 2002 10:49:17 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-106560-2002.11.11-10.38.01--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

```
Roy Bost wrote:
>
> I just checked with a friend that has a dual band credit card Alinco and he
> says that you can indeed turn off the battery saver!  Push the "Function"
> key until the BS comes up, then up or down arrow to turn BS off or on.
                                                   ^^^^^^^^^^^
                                                   ^^^^^^^^^^^
                                         I have GOT to find this function
                                         key on some of my staff members.
```

Ev, W2EV
<giggle>

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To unsubscribe send a blank email to leave-aprssig-842K@lists.tapr.org
Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

---

216. [aprssig] Re: PCsat SPECIAL test.

From: Bob Bruninga <bruninga@usna.edu>
Date: Mon, 11 Nov 2002 11:06:25 -0500 (EST)
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-106561-2002.11.11-10.50.15--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

On Mon, 11 Nov 2002, Bob Bruninga wrote:

> SPECIAL PCsat Test:
> I just activated the SPECIAL STORE-and-FORWARD mechanism on PCsat that
> will let it capture packets over completely isolated parts of the world
> and then regurgitate them at regular intervals around the rest of the
> world. The donwlink is on 144.39 and the TX rate is once a minute.

It worked. On the next orbit, I saw WOCALL in the 144.39 downlink. And
so I also changed my call to correctly WB4APR and sent another packet.
Now you should see both. The buffer is currently TWO deep so that two
wilderness travelers can be so reporting.

I will be gone for two days, so anyone who has used the special uplink in
the past is welcome to experiment with it also...

de WB4APR@amsat.org, Bob

PCsat WEB page   http://www.ew.usna.edu/~bruninga/pcsat.html
ISS-APRS FAQ: http://www.ew.usna.edu/~bruninga/iss-faq.html

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Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

---

217. [aprssig] Re: Small DOS computer

From: "Peter \"Dakota\" Summerhawk" <dakotas@dotorg.org>
Date: Mon, 11 Nov 2002 09:15:32 -0700
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-106562-2002.11.11-10.59.20--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

There is pocket DOS for the Win CE platform that will run on the CE side for
dos applications. Would recommend a CF card as it takes up a lot of memory
though.
Peter
----- Original Message -----
From: "Bill Vodall - WA7NWP" <wa7nwp@yahoo.com>
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Sent: Monday, November 11, 2002 12:53 AM
Subject: [aprssig] Re: Small DOS computer

> At 10:08 PM 11/10/02 -0500, you wrote:
> >Does anyone know where I can find a very small computer that will run
DOS? I would like to run DOSAPRS and other packet programs portable.
Please do not reply to this address. Reply to: kc0idi@arrl.net
> >Thanks for your help!
>
>
> I've had good luck with an HP-100LX palmtop. HP-200 would be even better.
HP-95
> has a smaller display and thus won't work for APRSDOS. Newer machines are
WinCE
> devices and thus won't run DOS applications.
>
> Bill, WA7NWP
>
>
>

> ---
> You are currently subscribed to aprssig as: Dakotas@dotorg.org
> To unsubscribe send a blank email to leave-aprssig-842K@lists.tapr.org
> Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org
>

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To unsubscribe send a blank email to leave-aprssig-842K@lists.tapr.org
Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

218. [aprssig] Re: Tactical call signs?

From: "Peter \"Dakota\" Summerhawk" <dakotas@dotorg.org>
Date: Mon, 11 Nov 2002 09:19:17 -0700
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-106563-2002.11.11-11.03.28--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

OK that solves a few questions, but the stream that I am seeing does NOT
have a call sign attached anywhere in the stream, so how does this work in
the regards of using it on the APRS freq? I have to correct myself the calls
were PACK-1 and PACK-4 not tac as my email indicated earlier.
Thanks.
Peter N0WRE
----- Original Message -----
From: "Phil Reed" <preed@dnaco.net>
To: <dakotas@dotorg.org>; <aprssig@lists.tapr.org>
Sent: Monday, November 11, 2002 5:10 AM
Subject: Re: [aprssig] Tactical call signs?

> Yes, the APRS format allows tactical callsigns. This is a debate that
comes
> up periodically. I believe the most practical position is that if the
> operator is putting his callsign in a packet somewhere, he's most probably
> legal. The best place to put a callsign would be in a
> periodically-transmitted (once every 9 minutes or so) status message.
>
> At 08:57 PM 11/10/2002 -0700, Peter \"Dakota\" Summerhawk wrote:
> >I have been seeing some calls that have gone by in the past few months
and
> >was curious, does the APRS format allow the use of tac call signs? I have
> >seen a few that have been Tac-1 and Tac-4 but no call attached to either
of
> >them. Lookup on findu revealed that they are mobile stations and did not
> >respond to messages so I am going to assume that they are dumb trackers.
Is
> >there somewhere in the protocol that there has to be a call sign attached
to
> >them if they are using the ham bands? Need the information if someone can
> >enlighten me.
> >Thanks
> >N0WRE-Peter
> >Peter "Dakota" Summerhawk N0WRE
>
> ---
>
>   ...phil / w8sca
>
> "For a list of all the ways technology has failed
>   to improve the quality of life, press 3."
>

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Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

219. [aprssig] Re: Tactical call signs?

From: "Ronald Reams" <wa4mjf@worldnet.att.net>
Date: Mon, 11 Nov 2002 11:26:23 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-106564-2002.11.11-11.11.13--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

The easiest way is just to activate your CW ID.

It won't showup on the I'net, but will on RF which is what the
FCC is concerned with.

73 de Ronnie

----- Original Message -----
From: "Peter "Dakota" Summerhawk" <dakotas@dotorg.org>
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Sent: Monday, November 11, 2002 11:19
Subject: [aprssig] Re: Tactical call signs?

OK that solves a few questions, but the stream that I am seeing does NOT
have a call sign attached anywhere in the stream, so how does this work in
the regards of using it on the APRS freq? I have to correct myself the calls
were PACK-1 and PACK-4 not tac as my email indicated earlier.
Thanks.
Peter N0WRE
----- Original Message -----
From: "Phil Reed" <preed@dnaco.net>
To: <dakotas@dotorg.org>; <aprssig@lists.tapr.org>
Sent: Monday, November 11, 2002 5:10 AM
Subject: Re: [aprssig] Tactical call signs?

> Yes, the APRS format allows tactical callsigns. This is a debate that
comes
> up periodically. I believe the most practical position is that if the
> operator is putting his callsign in a packet somewhere, he's most probably
> legal. The best place to put a callsign would be in a
> periodically-transmitted (once every 9 minutes or so) status message.
>
> At 08:57 PM 11/10/2002 -0700, Peter \"Dakota\" Summerhawk wrote:
> >I have been seeing some calls that have gone by in the past few months
and
> >was curious, does the APRS format allow the use of tac call signs? I have
> >seen a few that have been Tac-1 and Tac-4 but no call attached to either
of
> >them. Lookup on findu revealed that they are mobile stations and did not
> >respond to messages so I am going to assume that they are dumb trackers.
Is
> >there somewhere in the protocol that there has to be a call sign attached
to
> >them if they are using the ham bands? Need the information if someone can
> >enlighten me.
> >Thanks
> >N0WRE-Peter
> >Peter "Dakota" Summerhawk N0WRE
>
> ---
>
>   ...phil / w8sca
>
> "For a list of all the ways technology has failed
>   to improve the quality of life, press 3."
>

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---

220. [aprssig] Re: PCsat SPECIAL test.

From: Ken Collins <g4fip@btinternet.com>
Date: Mon, 11 Nov 2002 16:02:04 +0000
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-106568-2002.11.11-11.33.47--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

In article <LYR26201-106542-2002.11.11-08.49.45--g4fip#btinternet.com@lists.tapr.org>, Bob Bruninga <bruninga@usna.edu> writes
>And with seconds to go before LOS, I finally got re-configured to send
>such a a packet. If this system works, then you should see my packet on
>144.39 over the next day. The packet should be something like this:

Bob, I saw the following on 144.390 MHz this afternoon (UK time):-

```
15:41:39R PCSAT-11>BEACON,SGATE Port=1 <UI Len=47>:
US Naval Academy Prototype Comm. Sat. PCsat(B)

15:42:54R PCSAT-11>APLOG,000003,083033 Port=1 <UI Len=37>:
}WB4APR>39PP0P,PCSAT-11/1:'h9l K\]

15:44:54R PCSAT-11>APLOG,000003,083033 Port=1 <UI Len=37>:
}WB4APR>39PP0P,PCSAT-11/1:'h9l K\]

15:45:03R PCSAT-11>APRS3 Port=1 <UI Len=60>:
:BLN3PCSAT:www.ew.usna.edu/pcsat   for details of operating

15:45:54R PCSAT-11>APLOG,000003,083033 Port=1 <UI Len=37>:
}WB4APR>39PP0P,PCSAT-11/1:'h9l K\]

15:46:32R PCSAT-11>BEACON,SGATE Port=1 <UI Len=42>:
T#614,133,136,140,119,213,00111111,0101,1

15:46:32R PCSAT-11>APRS4 Port=1 <UI Len=70>:
:BLN4PCSAT:Format of a Bulletin is designed to match D7 display size.

15:47:50R PCSAT-11>APRS1 Port=1 <UI Len=62>:
:BLN1PCSAT:PCsat & ISS use ARISS as path for easy operations.

15:47:54R PCSAT-11>APLOG,000003,083033 Port=1 <UI Len=37>:
}WB4APR>39PP0P,PCSAT-11/1:'h9l K\]

15:47:55R PCSAT-11>APLOG,000003,083017 Port=1 <UI Len=80>:
}WB4APR>39PP0P,PCSAT-11/1::ALL      :This Message sent to you via PCsat direct!

15:49:28R PCSAT-11>APRS2 Port=1 <UI Len=69>:
:BLN2PCSAT:Tune 145.830 for PCsat  up/dnlink & enjoy APRS operating!

15:49:32R PCSAT-11>BEACON,SGATE Port=1 <UI Len=42>:
T#615,130,131,105,122,213,00111111,0110,1

15:49:54R PCSAT-11>APLOG,000003,083033 Port=1 <UI Len=37>:
}WB4APR>39PP0P,PCSAT-11/1:'h9l K\]

15:49:54R PCSAT-11>APLOG,000003,083017 Port=1 <UI Len=80>:
}WB4APR>39PP0P,PCSAT-11/1::ALL      :This Message sent to you via PCsat direct!

15:50:54R PCSAT-11>APLOG,000003,083033 Port=1 <UI Len=37>:
}WB4APR>39PP0P,PCSAT-11/1:'h9l K\]

15:50:54R PCSAT-11>APLOG,000003,083017 Port=1 <UI Len=80>:
}WB4APR>39PP0P,PCSAT-11/1::ALL      :This Message sent to you via PCsat direct!

15:51:02R PCSAT-11>APRS3 Port=1 <UI Len=60>:
:BLN3PCSAT:www.ew.usna.edu/pcsat   for details of operating

15:52:54R PCSAT-11>APLOG,000003,083033 Port=1 <UI Len=37>:
}WB4APR>39PP0P,PCSAT-11/1:'h9l K\]

15:53:48R PCSAT-11>APRS1 Port=1 <UI Len=62>:
:BLN1PCSAT:PCsat & ISS use ARISS as path for easy operations.
```

--
Ken Collins - G4FIP
E-mail:- g4fip@btinternet.com
http://www.btinternet.com/~g4fip

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221. [aprssig] Re: soundcard packet..

From: "Maiko" <maiko@langelaar.net>
Date: Mon, 11 Nov 2002 11:8:16
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-106569-2002.11.11-11.52.03--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Hi Blitz,

> Is there any sound card packet program that
> does 2400ba and 9600ba packet ?

Another Windows goody is FlexNet32 (the 32 bit version of the original PC/FlexNet stuff). Complete with Thomas Sailer's soundcard drivers, this is awesome stuff, even includes FULL BLOWN tcp/ip network interfaces.

The URL is as follows :

   http://www.afthd.tu-darmstadt.de/~flexnet/index.html

You can change RF speeds, and you have several different modulation choices at your disposal. FlexNet comes with it's own trace window.

Best regards,

Maiko Langelaar / VE4KLM

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To unsubscribe send a blank email to leave-aprssig-842K@lists.tapr.org
Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

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222. [aprssig] Alarm!!!!

From: "Richard Amirault" <ramirault@erols.com>
Date: Mon, 11 Nov 2002 12:28:35 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-106570-2002.11.11-12.14.17--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Hey Bob (WB4APR) ... what's with all the Alarms today (11/11)??

Richard Amirault   N1JDU   Boston,
MA, USA
ramirault@erols.com   "Go Fly A Kite"
http:// www.erols.com/ramirault

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To unsubscribe send a blank email to leave-aprssig-842K@lists.tapr.org
Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

---

223. [aprssig] Re: Small DOS computer

From: Bill Vodall - WA7NWP <wa7nwp@yahoo.com>
Date: Mon, 11 Nov 2002 09:31:23 -0800
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-106571-2002.11.11-12.15.19--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

At 02:10 AM 11/11/02 -0600, Mark Fellhauer wrote:

>>   Newer machines are WinCE
>>devices and thus won't run DOS applications.
>
>Ahhh, but there are DOS emulators for PPC and WinCE machines...

But has anybody actually succeeded in running APRSDOS there?

I know it runs on the Dos Emulator under Linux...

Bill

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Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

---

224. [aprssig] Re: Tactical call signs?

From: Phil Reed <preed@dnaco.net>
Date: Mon, 11 Nov 2002 12:28:50 -0500

To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-106572-2002.11.11-12.15.40--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

```
It's possible to put the callsign in a packet that would not be picked up
by an APRS gateway. It's also, as another fellow pointed out, to use other
techniques like a CW ID, that would also not get picked up by the gateway.

Remember, what gets carried on the APRS data stream is *not* what the FCC
looks at for legal identification purposes. Amateur radio regulations do
not apply to the Internet. When I transmit for APRS, I am not required to
ID in such a way that the APRS network infrastructure understands it. My ID
is only required to identify my station in terms of RF emissions, and I can
use any legal way to do it, including code or even voice if that's what I want.

So, relax. Let the owner of "PACK-1" and "PACK-4" worry about meeting his
own ID requirements.

>OK that solves a few questions, but the stream that I am seeing does NOT
>have a call sign attached anywhere in the stream, so how does this work in
>the regards of using it on the APRS freq? I have to correct myself the calls
>were PACK-1 and PACK-4 not tac as my email indicated earlier.
>Thanks.
>Peter N0WRE
>
>
> > Yes, the APRS format allows tactical callsigns. This is a debate that
>comes
> > up periodically. I believe the most practical position is that if the
> > operator is putting his callsign in a packet somewhere, he's most probably
> > legal. The best place to put a callsign would be in a
> > periodically-transmitted (once every 9 minutes or so) status message.
> >
> > At 08:57 PM 11/10/2002 -0700, Peter \"Dakota\" Summerhawk wrote:
> > >I have been seeing some calls that have gone by in the past few months
>and
> > >was curious, does the APRS format allow the use of tac call signs? I have
> > >seen a few that have been Tac-1 and Tac-4 but no call attached to either
>of
> > >them. Lookup on findu revealed that they are mobile stations and did not
> > >respond to messages so I am going to assume that they are dumb trackers.
>Is
> > >there somewhere in the protocol that there has to be a call sign attached
>to
> > >them if they are using the ham bands? Need the information if someone can
> > >enlighten me.
> > >Thanks
> > >N0WRE-Peter
> > >Peter "Dakota" Summerhawk N0WRE
> >
> > ---
> >
> >                                   ...phil / w8sca
> >
> > "For a list of all the ways technology has failed
> >      to improve the quality of life, press 3."
> >
>
>
>---
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---

                                  ...phil / w8sca

"For a list of all the ways technology has failed
     to improve the quality of life, press 3."


---
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```

225. [aprssig] Re: Alarm!!!!

From: Bob Bruninga <bruninga@usna.edu>
Date: Mon, 11 Nov 2002 13:12:26 -0500 (EST)
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: TAPR APRS Special Interest Group <aprssig@lists.tapr.org>
Message-ID: <LYR842-106573-2002.11.11-12.56.13--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

On Mon, 11 Nov 2002, Richard Amirault wrote:

> Hey Bob (WB4APR) ... what's with all the Alarms today (11/11)??

those were simulated as a test of the worldwide PCSAT store and forward
of priority messages heard anywhere on the planet. Bummer that it
tirggered alarms.

Ill try to get it turned off next pass...

bob
>
> Richard Amirault   N1JDU   Boston,
> MA, USA
> ramirault@erols.com   "Go Fly A Kite"
> http:// www.erols.com/ramirault
>
>
> ---
> You are currently subscribed to aprssig as: bruninga@usna.edu
> To unsubscribe send a blank email to leave-aprssig-842K@lists.tapr.org
> Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org
>

de WB4APR@amsat.org, Bob

PCsat WEB page	http://www.ew.usna.edu/~bruninga/pcsat.html
ISS-APRS FAQ:	http://www.ew.usna.edu/~bruninga/iss-faq.html
CUBESAT Designs	http://www.ew.usna.edu/~bruninga/cubesat.html
APRS LIVE pages	http://www.ew.usna.edu/~bruninga/aprs.html
APRS SATELLITES	http://www.ew.usna.edu/~bruninga/astars.html
MIM/Mic-E/Mic-Lite	http://www.toad.net/~wclement/bruninga/mic-lite.html

---
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Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

226. [aprssig] Re: Small DOS computer

From: "Peter \"Dakota\" Summerhawk" <dakotas@dotorg.org>
Date: Mon, 11 Nov 2002 13:08:30 -0700
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-106583-2002.11.11-14.52.19--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

My Jornada will run APRS DOS under the pocket dos window with no problem,
Just got done reloading the system onto my jornada for a test and it works
fine. No problem here for the win CE version in dos or the actual CE
platform.
Peter
----- Original Message -----
From: "Bill Vodall - WA7NWP" <wa7nwp@yahoo.com>
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Sent: Monday, November 11, 2002 10:31 AM
Subject: [aprssig] Re: Small DOS computer

> At 02:10 AM 11/11/02 -0600, Mark Fellhauer wrote:
>
> >>   Newer machines are WinCE
> >>devices and thus won't run DOS applications.
> >
> >Ahhh, but there are DOS emulators for PPC and WinCE machines...
>
> But has anybody actually succeeded in running APRSDOS there?
>
> I know it runs on the Dos Emulator under Linux...
>
> Bill
>
>
>

>
> ---
> You are currently subscribed to aprssig as: Dakotas@dotorg.org
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> Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org
>

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227. [aprssig] Re: RELAY in New Mexico

From: Henk de Groot <henk.de.groot@hetnet.nl>
Date: Mon, 11 Nov 2002 19:47:10 +0100
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-106584-2002.11.11-15.16.12--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

At 12:19 10-11-02 -0500, Steve Jones wrote:
>on 11/10/02 12:11 PM, Bob Bruninga at bruninga@usna.edu wrote:
>
> > U   all of the above with UIDIGI
>
>Bob, why the distinction for UIDIGI? I would guess (and Henk can probably
>clarify) that Digined would also handle all of the above as well.

I have in my change-log for the next DIGI_NED version:

<quote>
- Changed the template beacon to have a star with an overlay "D" for
   DIGI_NED as per suggestion of Bob Bruninga on june 23 2002 on the APRS SIG.
</quote>

So I assume Bob just forgot to mention it, see below...

Its good if the user knows its a DIGI_NED digi because then they know that
it also supports digipeating on destination SSID and that you can throw
messages at it like "?MH", "?DX" and many more (uptime, owner, query "tiny
web pages", satelite server or whatever the owner configured).

Kind regards,

Henk.

------ Forwarded Message
From: Bob Bruninga <bruninga@usna.edu>
Reply-To: Bob Bruninga <bruninga@usna.edu>
Date: Sun, 23 Jun 2002 18:25:36 -0400 (EDT)
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: Robert Bruninga <bruninga@usna.edu>
Subject: [aprssig] Northeast Digipeater fix up...

The correct overlay characters are:

   R if RELAY only
   W if RELAY and WIDE
   T if RELAY,WIDE and TRACE
   N if WIDEn-N (and relay,wide and trace)
   I if WIDEn-N (and realy,wide and trace) but ID is set to ON
   J if Just WIDEn-N and no others supported
   U if UIdigi
   D if DIGI_NED software

------ End of Forwarded Message

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228. [aprssig] Re: RELAY in New Mexico

From: Bob Bruninga <bruninga@usna.edu>
Date: Mon, 11 Nov 2002 15:41:30 -0500 (EST)
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: TAPR APRS Special Interest Group <aprssig@lists.tapr.org>

Message-ID: <LYR842-106585-2002.11.11-15.25.25--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

```
On Mon, 11 Nov 2002, Henk de Groot wrote:

> > > U        all of the above with UIDIGI
>
> I have in my change-log for the next DIGI_NED version:
>
> <quote>
> - Changed the template beacon to have a star with an overlay "D" for
>    DIGI_NED as per suggestion of Bob Bruninga on june 23 2002 on the APRS SIG.
> </quote>

Yes, I remembered incorrectly,  If we agreed to "D", then that is a good
choice also.  Thanks
Bob
>
> ------ Forwarded Message
> From: Bob Bruninga <bruninga@usna.edu>
> Reply-To: Bob Bruninga <bruninga@usna.edu>
> Date: Sun, 23 Jun 2002 18:25:36 -0400 (EDT)
> To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
> Cc: Robert Bruninga <bruninga@usna.edu>
> Subject: [aprssig] Northeast Digipeater fix up...
>
> The correct overlay characters are:
>
>    R if RELAY only
>    W if RELAY and WIDE
>    T if RELAY,WIDE and TRACE
>    N if WIDEn-N (and relay,wide and trace)
>    I if WIDEn-N (and realy,wide and trace) but ID is set to ON
>    J if Just WIDEn-N and no others supported
>    U if UIdigi
>    D if DIGI_NED software
>
> ------ End of Forwarded Message
>
>
> ---
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> To unsubscribe send a blank email to leave-aprssig-842K@lists.tapr.org
> Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org
>

de WB4APR@amsat.org, Bob

PCsat WEB  page     http://www.ew.usna.edu/~bruninga/pcsat.html
ISS-APRS FAQ:       http://www.ew.usna.edu/~bruninga/iss-faq.html
CUBESAT Designs     http://www.ew.usna.edu/~bruninga/cubesat.html
APRS LIVE pages     http://www.ew.usna.edu/~bruninga/aprs.html
APRS SATELLITES     http://www.ew.usna.edu/~bruninga/astars.html
MIM/Mic-E/Mic-Lite  http://www.toad.net/~wclement/bruninga/mic-lite.html


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```

229. [aprssig] Re: PocketDOS (was: RE: Small DOS computer)

From: "Mark Fellhauer" <sparkfel@qwest.net>
Date: Mon, 11 Nov 2002 15:29:07 -0600
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-106590-2002.11.11-16.13.05--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

```
At 10:15 AM 11/11/02, Peter \"Dakota\" Summerhawk wrote:

>There is pocket DOS for the Win CE platform that will run on the CE side for
>dos applications. Would recommend a CF card as it takes up a lot of memory
>though.

 From the PocketDOS website (www.pocketdos.com):

PocketDOS is an MS-DOS 6.22 compatible DOS for your Microsoft Windows CE or
Psion/Symbian EPOC32 based Pocket Computer.
In addition to a full DOS, PocketDOS lets you install and run many DOS
programs* on your Pocket Computer.
```

PocketDOS also lets you access devices such as touchscreens, built-in and
external modems, IR ports, flash disks, network drives,
printers and more from within DOS and DOS programs.

$40.00 for the full version.

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230. [aprssig] Re: Smallest HT w/APRS "hookup"?

From: "Arnold 'Arnie' Johnson" <arniej@webryders.net>
Date: Mon, 11 Nov 2002 17:22:17 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-106594-2002.11.11-17.56.40--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

I just tried it with my DJ-C5. Do the following: Press the Function button
until F starts flashing on the lower right of the LCD; press the DOWN arrow
("bS .on" or "bS .oF" will show); press the up or down arrow to change;
press the F key again or PTT completes the change.

Arnie

At 09:47 AM 11/11/2002 -0600, Roy Bost wrote:
>I just checked with a friend that has a dual band credit card Alinco and he
>says that you can indeed turn off the battery saver! Push the "Function"
>key until the BS comes up, then up or down arrow to turn BS off or on.
>
>
>----- Original Message ----- > The solution is to hold the squelch always
>open and then run software DCD
> > if your TNC can do it...
> >
> > I am curious to konw about the power saver in the credit card radios?
> >
> > Bob
> >
> >
> > ---
> > You are currently subscribed to aprssig as: RBOST@ITEXAS.NET
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> > Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org
> >
> >
>
>
>---
>You are currently subscribed to aprssig as: arniej@webryders.net
>To unsubscribe send a blank email to leave-aprssig-842K@lists.tapr.org
>Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

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231. [aprssig] Re: APRS OBJECT formats

From: "Curt Mills, WE7U" <hacker@tc.fluke.com>
Date: Mon, 11 Nov 2002 15:21:07 -0800 (PST)
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: TAPR APRS Special Interest Group <aprssig@lists.tapr.org>
Message-ID: <LYR842-106595-2002.11.11-18.06.56--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

On Mon, 11 Nov 2002, Bob Bruninga wrote:

> On Sun, 10 Nov 2002, Steve Dimse wrote:
>
> > putting on the APRS IS lately. Interestingly enough, it is not even a
> > legal APRS format, as the spec does not provide for weather data within
> > the object format.
>
>

> For clarification, an OBJECT by definition was intended to be a means for
> transmitting any other type of APRS position report data, so anything that
> is permitted in a position report format, was intended to be able to be
> transmitted in an object report transparently.
>
> Thus an OBJECT can contain weather, DF bearings, Omni-directional signal
> strength reports, PHG data, and of course CSE and SPEED data, and any
> other field defined for any other position report format. The fundamental
> idea was once an OBJECT is detected, then simply take the object name, and
> then shift left 10 bytes, and the result is a legal APRS position format
> that is then sent over to the position-format-parser..
>
> The spec did not do a good job of conveying that transparency...

Page 65 of the spec (75 in the acroread PDF reader), "Complete
Weather Reports with Timestamp and Position" says: "An APRS Object
may also have weather information associated with it."

So, it _is_ in the spec here and there, but you really have to dig
for it!

--
Curt Mills, WE7U   hacker_NO_SPAM_@tc.fluke.com
Senior Methods Engineer/SysAdmin
"Lotto: A tax on people who are bad at math!"
"Windows: Microsoft's tax on computer illiterates!" -- WE7U
"The world DOES revolve around me: I picked the coordinate system!"

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Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

---

232. [aprssig] Re: Smallest HT w/APRS "hookup"?

From: "Peter \"Dakota\" Summerhawk" <dakotas@dotorg.org>
Date: Mon, 11 Nov 2002 16:23:50 -0700
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-106596-2002.11.11-18.07.48--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Thanks for the information! Personal tracker here I come! I found a small
arm pack that holds the handspring with TNC, the HT and the Etrex all in a
neat package that fits on your arm. to be able to get the signal out with
the 300mw that the HT puts out. I will see about getting some pics up on my
site if anyone is interested in viewing it.
Peter
----- Original Message -----
From: "Arnold 'Arnie' Johnson" <arniej@webryders.net>
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Sent: Monday, November 11, 2002 3:22 PM
Subject: [aprssig] Re: Smallest HT w/APRS "hookup"?

> I just tried it with my DJ-C5. Do the following: Press the Function button
> until F starts flashing on the lower right of the LCD; press the DOWN
arrow
> ("bS .on" or "bS .oF" will show); press the up or down arrow to change;
> press the F key again or PTT completes the change.
>
> Arnie
>
> At 09:47 AM 11/11/2002 -0600, Roy Bost wrote:
> >I just checked with a friend that has a dual band credit card Alinco and
he
> >says that you can indeed turn off the battery saver! Push the "Function"
> >key until the BS comes up, then up or down arrow to turn BS off or on.
> >
> >
> >----- Original Message ----- > The solution is to hold the squelch always
> >open and then run software DCD
> > > if your TNC can do it...
> > >
> > > I am curious to konw about the power saver in the credit card radios?
> > >
> > > Bob
> > >
> > >

> > > ---
> > > You are currently subscribed to aprssig as: RBOST@ITEXAS.NET
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> > > Questions regarding the SIG go to the SIG administrator:
wa1lou@tapr.org
> > >
> > >
> >
> >
> >---
> >You are currently subscribed to aprssig as: arniej@webryders.net
> >To unsubscribe send a blank email to leave-aprssig-842K@lists.tapr.org
> >Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org
>
>
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Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

233. [aprssig] Re: R327CA1D2 ?

From: "Curt Mills, WE7U" <hacker@tc.fluke.com>
Date: Mon, 11 Nov 2002 15:54:30 -0800 (PST)
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: TAPR APRS Special Interest Group <aprssig@lists.tapr.org>
Message-ID: <LYR842-106614-2002.11.11-18.40.11--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

On Mon, 11 Nov 2002, Steve Dimse wrote:

> I had not heard of APRSFIRENET before today, and I do not have any problems with
> it as it is apparently implemented. My concern is with undisciplined, large
> scale gating of data. And if I understand what you have said, this data is
> intended for mobiles and therefore must on RF. I have never had ANY concerns
> about (or attempted to excercise any control over) RF data that is sent to the
> APRS IS. The principle purpose of APRS IS is to gather the data from RF around
> the world...if a locality sees fit to send data on an RF APRS channel, it
> absolutely, positively belongs on the APRS IS.

Please correct me if I'm wrong here.   Scenario: A station is
connected to FIRENET and gating a few objects for their area to RF.
These objects will NOT get gated into the APRS-IS stream (by Igates
in the area) because it's obvious from the path that they were
already gated to RF. Right?

At first I was thinking there might be a problem developing, but
these objects should have "TCPIP" or "TCPXX" in the header which
should prevent all igates from gating the packets into the APRS-IS
stream. This was an anti-looping measure which just happens to work
to FIRENET's advantage as well.

Note that I support FIRENET in spirit, with object generation, and
with coding. I'm biased. Who isn't?

--
Curt Mills, WE7U   hacker_NO_SPAM_@tc.fluke.com
Senior Methods Engineer/SysAdmin
"Lotto: A tax on people who are bad at math!"
"Windows: Microsoft's tax on computer illiterates!" -- WE7U
"The world DOES revolve around me: I picked the coordinate system!"

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Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

234. [aprssig] Re: R327CA1D2 ?

From: Steve Dimse <k4hg@tapr.org>
Date: Mon, 11 Nov 2002 19:30:53 -0500

To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: TAPR APRS Special Interest Group <aprssig@lists.tapr.org>
Message-ID: <LYR842-106615-2002.11.11-19.14.40--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

```
On 11/11/02 at 3:54 PM hacker@tc.fluke.com (Curt Mills, WE7U) sent:

>Please correct me if I'm wrong here.   Scenario:  A station is
>connected to FIRENET and gating a few objects for their area to RF.
>These objects will NOT get gated into the APRS-IS stream (by Igates
>in the area) because it's obvious from the path that they were
>already gated to RF.  Right?
>
No, not because of the path. If the packets being gated to RF are in third party
format they will not be gated back to the APRS IS.  The packets that started
this conversation, however, were objects, and if they were sent on RF in this
format they would be gated back to the internet. The new Q construct also has
the ability to be used to prevent this, but I do not know if any IGates even
implement this yet, certainly the vast majority of deployed IGates will not
check this.

I'm not sure of the way these packets are being generated and/or transmitted to
understand what the "misconfiguration" that sent them to the APRS IS, or what
mechanism FIRENET uses to gate packets to RF.

>At first I was thinking there might be a problem developing, but
>these objects should have "TCPIP" or "TCPXX" in the header which
>should prevent all igates from gating the packets into the APRS-IS
>stream.  This was an anti-looping measure which just happens to work
>to FIRENET's advantage as well.
>
No, TCPIP or TCPXX are for differentiating between packets from validated and
unvalidated stations, needed to decide what packets can be gated to RF, not to
the internet.

Steve K4HG

---
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```

235. [aprssig] Re: Smallest HT w/APRS "hookup"?

From: "Ev Tupis (W2EV)" <w2ev@arrl.net>
Date: Mon, 11 Nov 2002 20:07:44 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-106619-2002.11.11-19.56.26--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

```
Peter \"Dakota\" Summerhawk wrote:
>
> Thanks for the information! Personal tracker here I come! I found a small
> arm pack that holds the handspring with TNC, the HT and the Etrex all in a
> neat package that fits on your arm. to be able to get the signal out with
> the 300mw that the HT puts out. I will see about getting some pics up on my
> site if anyone is interested in viewing it.

Dear Peter,
You've got the idea!  That's what I'm trying to create, but with a laptop,
rather than PDA.  I've avoided the PocketAPRS product because I've heard that it
was too limited for what I need.  Maybe I should ask the questions that will
clarify everything for me...

Will PocketAPRS allow the sending and receiving of "operator-to-operator"
messages?
Does it support grid square position determination and Grid-formatted TX's?

Ev, W2EV


---
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236. [aprssig] Re: software list?

From: "Curt Mills, WE7U" <hacker@tc.fluke.com>
Date: Mon, 11 Nov 2002 17:20:37 -0800 (PST)
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>

Message-ID: <LYR842-106621-2002.11.11-20.06.20--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

```
On Sun, 10 Nov 2002, Spider wrote:

> However, I know Curt, WE7U, is very active in supporting/updating Xastir.

Plus Plus Plus:
---------------

*) Nine additional developers who work on different portions of
Xastir.  Not all are active right now, but we have faith in them!
The work gets done.

*) Frank Giannandrea, KC2GJS, the guy who started these shenanigans
by initially coding/supporting it (He should be listed first!).  We
hope to see Frank active again in the future.  It's to be noted that
he went through a lot of hassle just to create the first open-source
APRS program.  I get the idea that there might have been a lot of
ill-feeling towards the project at the beginning.  Hey, probably
still is!  Why would anyone GIVE IT AWAY when they can sell it?  ;-)
Frank got through all that and released something that worked.  He's
a pioneer.  Thank you Frank!

*) Users who submitted patches and had them accepted by the
development team.

*) Users who submitted bug reports/tested the fixes.

*) Users who support others on the Xastir mailing lists.

*) Users who submitted features requests.

*) Those who wrote open-source libraries that we could build upon.
There are a _LOT_ of them.  Most had no idea what uses their
libraries could be put to.  Most of these people don't even know
or care what APRS is.

*) All who said it couldn't or shouldn't be done.  That makes
open-source coders work all the harder (Something in the water I
think, or perhaps a missing gene).

*) All who supplied free pizza and beer to the developers when they
drove through their area (Okay, that hasn't ever happened, but I'm
kind'a hungry right now).


You see?  Open-source gets complicated.  You can't point your finger
at (or even just "finger") one person.  The responsibility, blame,
and workload get spread across many individuals.  In this case
probably thousands, although most contributed to libraries that
Xastir links with, and not Xastir directly.  They still helped us.

The _really_ good thing is that the code and the algorithms can
outlive all of the people that are currently contributing.  Other
works can be based on Xastir code or portions of it as the licensing
allows.  The licensing encourages sharing of code across
similarly-licensed works, and keeps the source code available.

Please don't give _me_ any credit for Xastir as I'm just a
worker-bee.  One of thousands.  Credit to Frank and his cast of
thousands!

--
Curt Mills, WE7U                    hacker_NO_SPAM_@tc.fluke.com
Senior Methods Engineer/SysAdmin
"Lotto:    A tax on people who are bad at math!"
"Windows:  Microsoft's tax on computer illiterates!" -- WE7U
"The world DOES revolve around me:  I picked the coordinate system!"


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237. [aprssig] Re: R327CA1D2 ?

From: "Curt Mills, WE7U" <hacker@tc.fluke.com>
Date: Mon, 11 Nov 2002 17:40:19 -0800 (PST)

To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: TAPR APRS Special Interest Group <aprssig@lists.tapr.org>
Message-ID: <LYR842-106622-2002.11.11-20.26.02--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

```
On Mon, 11 Nov 2002, Steve Dimse wrote:

> On 11/11/02 at 3:54 PM hacker@tc.fluke.com (Curt Mills, WE7U) sent:
>
> >At first I was thinking there might be a problem developing, but
> >these objects should have "TCPIP" or "TCPXX" in the header which
> >should prevent all igates from gating the packets into the APRS-IS
> >stream.  This was an anti-looping measure which just happens to work
> >to FIRENET's advantage as well.
> >
> No, TCPIP or TCPXX are for differentiating between packets from validated and
> unvalidated stations, needed to decide what packets can be gated to RF, not to
> the internet.

Sorry!  I had done a quick check in the Xastir igate sources to
come up with the sentence above.  Since I didn't write that portion
of the code I didn't remember the rules.  The fact that they are
third-party packets is adequate to describe the problem _and_ the
solution.  Thanks for pointing that out!  No problem here.

Xastir does look for the initial '}' character and refuses to gate
those packets to the 'net.

It looks like at least one of the APRS clients _is_ gating
third-party packets into the internet though!

--
Curt Mills, WE7U                    hacker_NO_SPAM_@tc.fluke.com
Senior Methods Engineer/SysAdmin
"Lotto:    A tax on people who are bad at math!"
"Windows:  Microsoft's tax on computer illiterates!" -- WE7U
"The world DOES revolve around me:  I picked the coordinate system!"



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238. [aprssig] Wanted: Palmtop

From: "Reid Crowe" <kc0idi@techie.com>
Date: Mon, 11 Nov 2002 20:46:02 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-106623-2002.11.11-20.30.08--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

```
After reading posts I have decided that a palmtop computer would work best for what I am wanting to do.
  If anyone has one they would like to sell I would be interested.  I am looking for something that will
 run DOS (without an emulators preferably).  I would like the size to be around 4X6X0.5 or so (I think
that is the standard size).  Price range is anything below $150.  If that is too low for something like
this let me know.  Also if anyone has any suggestions with interfacing to a TNC that would be
appreciated too.  Again please respond to kc0idi@arrl.net

Thanks for everyone's help and for the bandwidth.

VY 73 DE Reid,KC0IDI
--
__________________________________________________________
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http://www.mail.com/?sr=signup

Single & ready to mingle? lavalife.com:  Where singles click. Free to Search!
http://www.lavalife.com/mailcom.epl?a=2116



---
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```

239. [aprssig] Re: R327CA1D2 ?

From: Steve Dimse <k4hg@tapr.org>
Date: Mon, 11 Nov 2002 22:35:16 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>

Cc: TAPR APRS Special Interest Group <aprssig@lists.tapr.org>
Message-ID: <LYR842-106630-2002.11.11-22.19.04--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

On 11/11/02 at 5:40 PM hacker@tc.fluke.com (Curt Mills, WE7U) sent:

>Sorry! I had done a quick check in the Xastir igate sources to
>come up with the sentence above. Since I didn't write that portion
>of the code I didn't remember the rules. The fact that they are
>third-party packets is adequate to describe the problem _and_ the
>solution.

Are you talking about the packets that are under discussion here, like

```
RAWS-1>APRS,TCPIP*,qAS,WA6OFT-15:;R327CA1D2*032218z3339.08N/10419.33W_010/
011g016t050h51F051RAWS NM_EIGHT_MILE_DRAW
```

These packets that began this discussion are NOT third party packets, which is why I was hedging about how FIRENET gates data to RF. It is quite possible to use a TNC in KISS mode to gate packets to RF without using the third party format. This is why the q construct may become the preferred method for preventing a loop, however at this time it cannot be relied upon, as few deployed IGates would correctly filter these packets.

Steve K4HG

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240. [aprssig] Lightweight low-power SSTV encoder

From: "Mark Conner" <n9xtn@cox.net>
Date: Mon, 11 Nov 2002 21:53:11 -0600
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-106631-2002.11.11-22.37.06--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

I'm looking for an alternative to the Kenwood VC-H1 for converting NTSC output from a camera into SSTV audio tones that could then be fed into an HT. I'm wondering if someone out there has come up with something PIC-based that might be able to do this.

This is a project that would fly on a balloon-borne APRS payload, so computer-based solutions are out (weight should be < 1 lb with batteries). The VCH1 is a bit heavy, expensive, and power-hungry for this application. I don't need to receive/decode/display SSTV for this, either.

I think something like this could have wide APRS applications, like Bob's APRN concept. With many color cameras available for <$100, a $50 SSTV encoder kit would be a powerful addition. Several roving units with APRS trackers could be sent to the field and beam SSTV pix back to a central location by simplex or possibly through a repeater.

73 de Mark N9XTN

Mark D. Conner
E-mail: n9xtn@arrl.net
Homepage: http://members.cox.net/mconner1
"Arrogance and stupidity, all in the same package.....how
 efficient of you!"   - Ambassador Londo Mollari, Babylon 5

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241. [aprssig] Re: Lightweight low-power SSTV encoder

From: David VanHorn <dvanhorn@cedar.net>
Date: Mon, 11 Nov 2002 23:03:12 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-106633-2002.11.11-22.49.27--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

```
> I don't need to receive/decode/display
>SSTV for this, either.

There is another scan converter that is based on the same Tasco chip.
http://www.svs.net/wyman/products/tsc70.htm

Not exactly what you're looking for though.

>I think something like this could have wide APRS applications,
>like Bob's APRN concept.  With many color cameras available for
><$100, a $50 SSTV encoder kit would be a powerful addition.

Capturing the video frame would be the challenge, I've never seen how this is done. You'll need more
than just a micro, even an AVR alone isn't going to handle this.

I like the APRN concept, but it needs a bit more work, so that the pictures are always tied to the
position of the sender.
I've heard that there's some standard for putting the ID in the picture, which would help a great deal.
Possibly you could jam a position in there too, which would be just about ideal.



---
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242. [aprssig] Re: R327CA1D2 ?

From: "Curt Mills, WE7U" <archer@eskimo.com>
Date: Mon, 11 Nov 2002 20:33:16 -0800 (PST)
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: TAPR APRS Special Interest Group <aprssig@lists.tapr.org>
Message-ID: <LYR842-106634-2002.11.11-23.01.23--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

```
On Mon, 11 Nov 2002, Steve Dimse wrote:

> Are you talking about the packets that are under discussion here, like
>
> RAWS-1>APRS,TCPIP*,qAS,WA6OFT-15:;R327CA1D2*032218z3339.08N/10419.33W_010/
> 011g016t050h51F051RAWS NM_EIGHT_MILE_DRAW

Yes I am.  And many other types.


> These packets that began this discussion are NOT third party packets, which is
> why I was hedging about how FIRENET gates data to RF.

Right now the packets you see on the 'net are not gated to RF except
for perhaps testing purposes (to the best of my knowledge, someone
may correct me).  When they are gated to RF, I expect that they
_will_ be in third-party format.  I see no reason to do anything
else.  Actually I see good reasons _not_ to do anything else!

Curt, WE7U.                             archer@eskimo.com
http://www.eskimo.com/~archer
  Lotto:  A tax on people who are bad at math. - unknown
Windows:  Microsoft's tax on computer illiterates. - WE7U.


---
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243. [aprssig] Re: Lightweight low-power SSTV encoder

From: WA8LMF2@aol.com
Date: Tue, 12 Nov 2002 03:16:20 EST
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: n9xtn@cox.net
Message-ID: <LYR842-106661-2002.11.12-03.00.14--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

```
In a message dated 11/11/2002 7:54:57 PM Pacific Standard Time, n9xtn@cox.net
writes:

> I'm wondering if someone out there
>  has come up with something PIC-based that might be able to do
>  this.
```

This is far beyond the capability of a PIC!   This task is orders of magnitude more demanding than manipulating the couple dozen ASCII characters required to assemble a APRS position report from a GPS.

The essence of SSTV scan conversion is to run standard NTSC analog fast scan (30 frames/second) TV into an analog-to-digital converter, store one fast-scan field (262 lines) into RAM in one 60th of a second, then clock out the data over 30-90 seconds into an digital-to-analog converter that modulates an FM audio tone.   Receive merely reverses the direction of the process -- barely any more circuitry is required.

The frame grab represents roughly 240 lines of 320 pixels each. Each pixel requires 3 full BYTES (not bits) to represent it's red, green and blue values at 8-bit resolution. Each raw frame grab requires (before data reduction and compression) 240 lines x320 pixels/line x24 bits per pixel, which equals1,840,200 BITS of data (about 240 KBytes of data...   WAAAY beyond the capacity of the postage-stamp-sized 1K/2K/4K ram in a PIC.   The VC-H1's computer endowment (CPU horse power and static RAM capacity) is more like a PDA or Pocket PC than a PIC!   A board-level project for this kind of device is going to more resemble a KPC3 than a Tiny Track

The other issue is the power consumption. The real power hog isn't the CPU and RAM; it's the CCD imager. The VCH-1 and early VGA-res digicams like the Epson "Photo PC" completely drain a set of four AA batteries in little over an hour with the CCD on. [The VC-H1 runs about 10 hours with the CCD imager off.] If you wanted to do something relatively exotic and bleeding-edge, you could use one of the upcoming CMOS imagers that will use somewhere around 1% of the power of current CCDs.

Stephen H. Smith   wa8lmf @ aol.com
   [who's been doing SSTV since the era of homebrew 5FP7 long-persistance radar CRT analog monitors...]

Home Page: http://wa8lmf.com
Ham Radio/Mobile SSTV page: http://members.aol.com/wa8lmf/ham
APRS Stuff
http://members.aol.com/wa8lmf/aprs

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244. [aprssig] Garmin ETREX and Kenwood Radios...

From: "Darryl Smith" <Darryl@radio-active.net.au>
Date: Tue, 12 Nov 2002 23:16:26 +1100
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-106663-2002.11.12-07.01.48--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

People

I am just wondering if anyone has connected up a Garmin ETREX to a Kenwood radio and had the waypoints change... I cant seem to work out how to do it unless I buy a E-MAP gps

Darryl

Darryl Smith, VK2TDS   POBox 169 Ingleburn NSW 2565 Australia
Mobile Number 0412 929 634 [+61 4 12 929 634 International]
Darryl@radio-active.net.au | www.radio-active.net.au

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245. [aprssig] RE: Garmin ETREX and Kenwood Radios...

From: "AE5PL Lists" <HamLists@ametx.com>
Date: Tue, 12 Nov 2002 06:47:29 -0600
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-106668-2002.11.12-07.31.19--lyris.aprssig#tapr.org@lists.tapr.org>
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The standard Etrex (in the US) does not support NMEA in. However, the Legend and Vista do. I used a standard Etrex through this spring with good results (but no waypoint mapping). I "upgraded" to an Etrex Legend with the latest firmware this summer and have used it extensively with my TH-D7. The D7 has the WAYPOINT menu item set to 9 digit NMEA and the GPS set for NMEA. The Legend is set for 4800 NMEA In/Out.

One tip about using the Legend or Vista in this configuration: when manually entering waypoints into the GPS (to mark schools, intersections, etc.), change the waypoint symbol to something other than the default dot. This is because all of the stations received from the TH-D7 are created with the default dot symbol. The Etrex has the ability to erase waypoints by symbol. This way, when you start a trip, you can erase all the stations you received last time in one step without affecting your "permanent" waypoints.

Have fun.

73,

Pete Loveall AE5PL
pete@ae5pl.net

> -----Original Message-----
> From: Darryl Smith [mailto:Darryl@radio-active.net.au]
> Posted At: Tuesday, November 12, 2002 6:19 AM
> Subject: [aprssig] Garmin ETREX and Kenwood Radios...
>
> I am just wondering if anyone has connected up a Garmin ETREX
> to a Kenwood radio and had the waypoints change... I cant
> seem to work out how to do it unless I buy a E-MAP gps

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246. [aprssig] Re: Lightweight low-power SSTV encoder

From: "Dick C. Reichenbach" <dreichen@columbus.rr.com>
Date: Tue, 12 Nov 2002 10:03:10 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: TAPR APRS Special Interest Group <aprssig@lists.tapr.org>
Message-ID: <LYR842-106679-2002.11.12-09.47.58--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

David VanHorn wrote:

> I like the APRN concept, but it needs a bit more work, so that the pictures are always tied to the position of the sender.
> I've heard that there's some standard for putting the ID in the picture, which would help a

> great deal. Possibly you could jam a position in there too, which would be just about ideal.

I like the idea, as well.

For putting positions/id's in a picture here's a link. The input is RCA video and the output is RCA video, so it can go between a camera and the VC-H1. If you're ever get to Hamvention,
this guy always has his model airplane video there (which uses ATV, not SSTV). It's pretty neat.

http://www.icircuits.com/products.htm

Dick R - KC8OBZ

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247. [aprssig] Re: Lightweight low-power SSTV encoder

From: larry Also <larrytooalso@yahoo.com>
Date: Tue, 12 Nov 2002 08:52:11 -0800 (PST)
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: TAPR APRS Special Interest Group <aprssig@lists.tapr.org>
Message-ID: <LYR842-106687-2002.11.12-11.36.03--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

How about just inserting the time and lat/long into the overscan lines of the video frame. Arn't there about 20 lines available for time signals, etc. in the NTSC signal being used by the netrworks? The frame thus isn't compromized (data superimposed seems to cover just what one wanted to see), and the data can be used to correlate information for post mission re-creation. .
 "Dick C. Reichenbach" <dreichen@columbus.rr.com> wrote:

David VanHorn wrote:

> I like the APRN concept, but it needs a bit more work, so that the pictures are always tied to the position of the sender.
> I've heard that there's some standard for putting the ID in the picture, which would help a

> great deal. Possibly you could jam a position in there too, which would be just about ideal.

I like the idea, as well.

For putting positions/id's in a picture here's a link. The input is RCA video and the output is RCA video, so it can go between a camera and the VC-H1. If you're ever get to Hamvention,
this guy always has his model airplane video there (which uses ATV, not SSTV). It's pretty neat.

http://www.icircuits.com/products.htm

Dick R - KC8OBZ

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----
Do you Yahoo!?
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248. [aprssig] Re: Lightweight low-power SSTV encoder

From: WA8LMF2@aol.com
Date: Tue, 12 Nov 2002 12:58:05 EST
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-106700-2002.11.12-12.42.09--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

In a message dated 11/12/2002 7:05:16 AM Pacific Standard Time, dreichen@columbus.rr.com writes:

> For putting positions/id's in a picture here's a link. The input is RCA
> video and the output is RCA video, so it can go between a camera and the VC-
> H1.
> http://www.icircuits.com/products.htm

This is exactly what I do with my "SSTV Mobile LiveCAM" mounted on the dash of my car. I use a similar NTSC-in/NTSC-out title generator from Decade Engineering called "Bob-II". I have the device inserted between a digital still camera with an NTSC monitor output, and the VC-H1 external video in connection. Right now it just overlays "WA8LMF Mobile LiveCAM" at the top of the screen and "http://WA8LMF.COM" at the bottom, but one of my intended projects is to come up with a Basic Stamp controller that would overlay GPS coordinates on the image.

The unit is packaged in a module the size of a 30-pin SIMM memory module (and fits into a SIMM-type socket). Information at:
    http://www.decadenet.com/

Stephen H. Smith   wa8lmf @ aol.com
Home Page: http://wa8lmf.com
Ham Radio/Mobile SSTV page: http://members.aol.com/wa8lmf/ham
APRS Stuff
http://members.aol.com/wa8lmf/aprs

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```

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Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

249. [aprssig] FRS radios?

From: "Wes Johnston" <wes@johnston.net>
Date: Tue, 12 Nov 2002 12:58:36 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-106701-2002.11.12-12.42.51--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

If anyone has a recommendation for a FRS radio which will transmit one PL tone and recieve another different PL tone, or receive a non-pl signal and will still TX a PL, please contact me off list.

Wes

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250. [aprssig] Re: Lightweight low-power SSTV encoder

From: WA8LMF2@aol.com
Date: Tue, 12 Nov 2002 13:12:09 EST
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-106702-2002.11.12-12.55.59--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

In a message dated 11/12/2002 8:54:25 AM Pacific Standard Time, larrytooalso@yahoo.com writes:

> How about just inserting the time and lat/long into the overscan lines of
the
> video frame. Arn't there about 20 lines available for time signals, etc.
in
> the NTSC signal being used by the netrworks? The frame thus isn't
> compromized (data superimposed seems to cover just what one wanted to see),
> and the data can be used to correlate information for post mission re-
> creation. .

1) You need a closed-captioning-capable TV to recover them

2) The data would be lost in a fast-scan to SSTV conversion (unless it was extracted with a close caption decoder and re-overlaid somehow).

The captioning data is on line 20 (I think it's actually line 10 of the even field -- not sure) which is normally overscanned off the top of the screen of regular TVs. If you have a TV old enough to have size or hold controls, you can roll the pic and see a line of shimmering black and white dots above the top of the pic (The closed caption data stream is actually sent as a line of black and white pixels representing binary 0s and 1s.)

SSTV scan converters such as the TASCO (and the Kenwood VC-H1 which is actually based on the TASCO chip by the way) normally only take the middle 240 lines of a 262-line field.

```
Stephen H. Smith                    wa8lmf @ aol.com
Home Page:                                         http://wa8lmf.com
Ham Radio/Mobile SSTV page:     http://members.aol.com/wa8lmf/ham
APRS Stuff
http://members.aol.com/wa8lmf/aprs
------------------------------------------------------------------------------
```

```
----------
|    Radio Communications Systems       Personal Computers
|                Consulting and Systems Integration
|    GPS Custom Mapping    &     Radio Coverage Surveys
|    File Conversions       MS-Windows Setups       Networking
-------------------------------------------------------------------------------

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```

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251. [aprssig] Re: Lightweight low-power SSTV encoder

From: David VanHorn <dvanhorn@cedar.net>
Date: Tue, 12 Nov 2002 13:28:57 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-106704-2002.11.12-13.12.34--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

>
>1) You need a closed-captioning-capable TV to recover them
>
>2) The data would be lost in a fast-scan to SSTV conversion (unless it was
\>extracted with a close caption decoder and re-overlaid somehow).

Isn't there an SSTV equivalent to this, "CID"?
I've been looking for info on this, but haven't found any.

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Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

252. [aprssig] Re: Lightweight low-power SSTV encoder

From: David VanHorn <dvanhorn@cedar.net>
Date: Tue, 12 Nov 2002 13:23:36 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: TAPR APRS Special Interest Group <aprssig@lists.tapr.org>
Message-ID: <LYR842-106705-2002.11.12-13.12.47--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

>
\>For putting positions/id's in a picture here's a link. The input is RCA video and the output is RCA video, so it can go between a camera and the VC-H1. If you're ever get to Hamvention,
\>this guy always has his model airplane video there (which uses ATV, not SSTV). It's pretty neat.
>
\>http://www.icircuits.com/products.htm

This works, but it's only human readable.
I would like to put at least some of this info into the SSTV CID so that the frames can be stored under indexed filenames.

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253. [aprssig] Re: UI-view questions

From: "J.Duffy Beischel" <wb8nut@arrl.net>
Date: Tue, 12 Nov 2002 13:7:26
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-106709-2002.11.12-13.51.14--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

UI-View32 only support Precision Mapping. If you have version 2.39, you have the 16 bit free version. The 16 bit version will not support CD mapping products on a dynamic basis and probably does not support PM at all. Pay the whopping $15 registration fee, get the 32 bit version and use it with PM5.0 Great program and Roger adds features all the time. I think it is one of the best supported APRS programs around. When roger added PM as an option, it became the only APRS program that I use.

Duffy
www.wb8nut.com

```
---
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Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org
```

254. [aprssig] question

From: "Ben Stienstra" <bennys@xs4all.nl>
Date: Tue, 12 Nov 2002 20:45:29 +0100
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-106712-2002.11.12-14.29.11--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

```
Hi Group,

>>    I if WIDEn-N (and realy,wide and trace) but ID is set to ON

What does "ID is set to ON" mean, which ID?

Thanks in advance,
Ben PD2BS

---
You are currently subscribed to aprssig as: lyris.aprssig@tapr.org
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Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org
```

255. [aprssig] RE: question

From: "Cap Pennell" <cap@cruzio.com>
Date: Tue, 12 Nov 2002 13:17:33 -0800
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-106713-2002.11.12-16.01.24--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

```
This ID vs. NOID setting is only an issue for Kantronics TNCs in service as
high-level APRS WIDEn-N digipeaters.  In those digipeaters, the TNC should
be set to UIFlood WIDE,28,NOID
Only the WIDEn-N digipeater sysops need to be concerned about setting NOID
vs. ID.

UIFlood should be left disabled <UIFlood %> in _all other_ APRS stations
using Kantronics TNCs.

Hope this helps.
73, Cap KE6AFE


> -----Original Message-----
> From: tapr.org On Behalf Of Ben Stienstra
> Sent: Tuesday, November 12, 2002 11:45 AM
>
> Hi Group,
>
> >>    I if WIDEn-N (and realy,wide and trace) but ID is set to ON
>
> What does "ID is set to ON" mean, which ID?
>
> Thanks in advance,
> Ben PD2BS



---
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```

256. [aprssig] Re: Lightweight low-power SSTV encoder

From: "Mark Fellhauer" <sparkfel@qwest.net>
Date: Tue, 12 Nov 2002 15:17:56 -0600
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: WA8LMF2@aol.com
Message-ID: <LYR842-106714-2002.11.12-16.03.15--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

```
At 12:12 PM 11/12/02, WA8LMF2@aol.com wrote:

>1) You need a closed-captioning-capable TV to recover them
>
```

>2) The data would be lost in a fast-scan to SSTV conversion (unless it was
>extracted with a close caption decoder and re-overlaid somehow).
>
>SSTV scan converters such as the TASCO (and the Kenwood VC-H1 which is
>actually based on the TASCO chip by the way) normally only take the middle
>240 lines of a 262-line field.

You are correct, CC is sent through the VBI (Vertical Blanking Interval or Interleave - deping on who you talk to) and is not sent over ATV or SSTV. Incidentally, many cable TV providers also strip this info from their signals, which is most annoying.

The PBS time sync for your VCR is part of the VBI XDS (eXtended Data Set).   Sometimes your VCR clock can be off by exactly an hour or two, usually this happens when your VCR finds some other TV station's Time Sync signal (Like WGN) in a different time zone...

For a while many of the PC based TV tuner cards could receive the Wavephore/Intellicast HTML files sent over VBI. I have an STB TV tuner, that even came bundled with diagnostic software that lets you look at what lines of the VBI have data. Technically you can pump data there at ISDN speeds. CNN, MTV, QVC, NBC, and others were early adopters. But like so many neat inventions the enabling technology came about a decade too late. And FCC DTV mandates killed any expansion hopes.

Here's a cool device for stripping external Closed Captioned VBI data on and putting in your own.   I'm sure someone could find a way to integrate this into his APRS setup.

http://www.circuitcellar.com/PSOC2002/winners/2.htm

> If you have a TV old enough to have size or hold controls, you
>can roll the pic and see a line of shimmering black and white dots above the
>top of the pic (The closed caption data stream is actually sent as a line of
>black and white pixels representing binary 0s and 1s.)

Or if your TV is just out of whack...   I noticed on a friend's TV that was doing this that on many channels just preceeding a series of commercials one of the lines in the VBI made a flashing "box" in the upper right hand corner of the screen. Which got me thinking that if you could figure out that signal you could incorporate it into a VCR or PVR/TiVo to automatically skip commercials... ;)

73,

Mark
KC7BXS

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257. [aprssig] APRS Icon for open ham 802.11b node?

From: Jeff King <jeff@aerodata.net>
Date: Tue, 12 Nov 2002 16:35:49 -0600 (CST)
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-106717-2002.11.12-17.19.39--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Can anyone suggest a recommended APRS Icon for a open amateur radio run 802.11b node? Ideally with the SSID maybe as a status message or something.

Also, as I am talking to some folks not currently on APRS, can someone direct me to a visual ICON table that is on the internet?

Thanks!

Jeff wb8wka

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258. [aprssig] Re: Small DOS computer

From: "Mike Yetsko" <myetsko@insydesw.com>
Date: Tue, 12 Nov 2002 18:03:38 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-106719-2002.11.12-17.47.45--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Just over a year ago I made an offer to the forum for Lanner EM-520 single board computers. Specifically, the EM-520. These were units taken by the company I worked for in trade, "new in the bag" kind of thing.

Well, there still are some available, so even though I don't work there anymore, I made some calls and I can get the same deal for people on the forum as before. $75 each. With two 8Meg EDO memory sticks included to get up and running.

These are EM-520 boards EXCEPT they were from a CUSTOM build. They have no TV output, and the BIOS is custom to reflect that. Other than that, they are standard EM-520 boards.

These are EM-520 single board computers. The specs are available on the web, including tech sheets, manuals, and drivers. But basically these are MediaGX boards with GXi 180 processors. They have 4 com ports, 2 USB, floppy and IDE, VGA, sound, and a network (10bt) built in. They have a PC-104 connector for both 8-bit and 16-bit, one ISA slot (actually custom, but will take a single generic ISA card), and two memory slots (with 16Meg total of EDO ram provided.) They support the Disk On Chip from M-Systems, but I haven't tested that at all.

The EM-520 boards you find on the web for sale also include TV output. I want to make it very clear these boards were a CUSTOM BUILD and do NOT have TV output. The chips for the TV circuitry are not even installed on the board.

The board takes a standard PC-AT type power supply but with a PS/2 pin style header.

One other point. These boards only have ONE IDE port, not two. If you want a hard disk and a CD, they MUST share the IDE port, or else you will need an adapter for the expansion slot.

The ISA port is actually one of those 'two level' connectors, and I've been told there was a PCI expansion card that could plug in, but I have not been able to find one to verify that it would work in these boards.

Now for the caveats. These boards use standard connectors for the floppy, IDE, and LPT. The other connectors are all 2mm headers. The 4 comm ports are on a single dual row 50 pin header. The VGA, USB, Sound, Keyboard, Mouse and such are on two female 2mm dual row 44 pin sockets. (There is an LCD panel interface as well, on a 44pin dual row pin header.) There are no original manuals, but the manual is available in PDF format.

Finally, these boards ARE discontinued. While still being sold on the web, cables and interfaces are becoming hard to find. When I brought the boards up to test, I just made my own cables, as I never got the 'factory' cables. I made up a CD with descriptions of how I did everything, including some JPGs of the cables I made. I included descriptions including DigiKey part numbers for the headers and cables and such.

I've gotten one of the boards up with Red Hat 5.2 as a very basic straight install, but I have not tried to get other than 'generic VGA' working. Or network or USB.

I did a quick install of WIN95 just to try it, but only added the

VGA driver.

Most of my 'playing' was to get WIN98SE up. Which detected and ran the network and USB 'almost' automatically. And with a decent VGA driver as well. To use the USB, I just had to tell the BIOS to look for a USB keyboard, then the USB was left active for WIN98SE to find and it would work with things like mouse, keyboard, DiskOnKey, and the Intel QX3 digital microscope.

I haven't been able to get in touch with the people I need to yet, but I HAVE been able to make sure the boards ARE available and the original price ($75) will be honored.

In the mean time, if anyone who bought them before has projects they used them for that they can talk about, I'd love to hear from them.

Mike

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---

259. [aprssig] Re: APRS Icon for open ham 802.11b node?

From: James Jefferson <jjeffers@aprsworld.net>
Date: Tue, 12 Nov 2002 17:30:39 +0000
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-106720-2002.11.12-18.13.32--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

> Also, as I am talking to some folks not currently on APRS, can someone
> direct me to a visual ICON table that is on the internet?

http://www.jarviscomputer.com/jim/aprs-symbols/

-Jim

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---

260. [aprssig] Re: APRS Icon for open ham 802.11b node?

From: WA8LMF2@aol.com
Date: Tue, 12 Nov 2002 22:14:50 EST
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: jjeffers@aprsworld.net
Message-ID: <LYR842-106739-2002.11.12-21.58.51--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

In a message dated 11/12/2002 3:30:20 PM Pacific Standard Time, jjeffers@aprsworld.net writes:

> > Also, as I am talking to some folks not currently on APRS, can someone
> > direct me to a visual ICON table that is on the internet?
>
> http://www.jarviscomputer.com/jim/aprs-symbols/

This set shows the same error that I just fixed in the APRSplus symbol set -- Primary #53 (upper-case T) is incorrectly shown as a thundercloud instead of TV/SSTV .

Secondary 44 (upper-case K) which was also wrong in the APRSplus set IS correctly shown as the Kenwood "W" logo.

```
Stephen H. Smith                    wa8lmf @ aol.com
Home Page:                                          http://wa8lmf.com
Ham Radio/Mobile SSTV page:     http://members.aol.com/wa8lmf/ham
APRS Stuff
http://members.aol.com/wa8lmf/aprs
------------------------------------------------------------------------------

----------
|    Radio Communications Systems       Personal Computers
|                Consulting and Systems Integration
|    GPS Custom Mapping    &     Radio Coverage Surveys
|    File Conversions       MS-Windows Setups       Networking
```

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```

261. [aprssig] Re: APRS Icon for open ham 802.11b node?

```
From: "B. Hildebrand" <bhildebrand@earthlink.net>
Date: Tue, 12 Nov 2002 19:57:12 -0800
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-106745-2002.11.12-22.41.03--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain
```

```
Secondary, Upper K, is Correctly showing the Kenwood logo in APRS+SA, and
has for a long time.  The Primary T is incorrect, I'll give you one there.
Brent KH2Z


----- Original Message -----
From: <WA8LMF2@aol.com>
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: <jjeffers@aprsworld.net>
Sent: Tuesday, November 12, 2002 7:14 PM
Subject: [aprssig] Re: APRS Icon for open ham 802.11b node?


> In a message dated 11/12/2002 3:30:20 PM Pacific Standard Time,
> jjeffers@aprsworld.net writes:
>
> > > Also, as I am talking to some folks not currently on APRS, can someone
> >  > direct me to a visual ICON table that is on the internet?
> >
> >  http://www.jarviscomputer.com/jim/aprs-symbols/
>
> This set shows the same error that I just fixed in the APRSplus symbol
set --
> Primary #53 (upper-case T) is incorrectly shown as a thundercloud instead
of
> TV/SSTV .
>
> Secondary 44 (upper-case K) which was also wrong in the APRSplus set IS
> correctly shown as the Kenwood "W" logo.
>
> Stephen H. Smith                   wa8lmf @ aol.com
> Home Page:                                        http://wa8lmf.com
> Ham Radio/Mobile SSTV page:     http://members.aol.com/wa8lmf/ham
> APRS Stuff
> http://members.aol.com/wa8lmf/aprs
> ---------------------------------------------------------------------------
----
>
> ----------
> |    Radio Communications Systems       Personal Computers
> |                Consulting and Systems Integration
> |    GPS Custom Mapping    &     Radio Coverage Surveys
> |    File Conversions       MS-Windows Setups       Networking
> ---------------------------------------------------------------------------
----
>
> -----------
>
>
> ---
> You are currently subscribed to aprssig as: b.hildebrand@verizon.net
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>


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```

262. [aprssig] Re: APRS Icon for open ham 802.11b node?

From: WA8LMF2@aol.com
Date: Tue, 12 Nov 2002 23:22:59 EST
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-106747-2002.11.12-23.06.58--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

```
On my system, at least, upper-K wasn't producing Kenwood logo until I edited
the symbol set.  I've tried several times to send you the revised set after I
brought up this issue last summer, but I never heard back -- don't know if
you got it.   Maybe I got the wrong email address -- I've seen several
different ones for you.   This time I just hit "reply" on the address you
mailed me from.

 I've attached the zip file again to this message to the off-list direct
response.

File   APRSplusIconRev.zip   attached

---
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```

---

263. [aprssig] RE: question

From: Bill Herrmann <bherrman@spro.net>
Date: Tue, 12 Nov 2002 22:23:08 -0700
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-106756-2002.11.13-00.09.50--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

```
At 01:17 PM 11/12/02 -0800, Cap Pennell wrote:
>This ID vs. NOID setting is only an issue for Kantronics TNCs in service as
>high-level APRS WIDEn-N digipeaters.

The Kenwood D700 also supports this setting. They do have an additional
setting that may make sense to use. (They support "first" which only adds
id if it's the first digi to hear it. I've not tested this as I don't have
a Kenwood.)

Bill



---
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```

---

264. [aprssig] Re: Lightweight low-power SSTV encoder

From: Doug McFadden <kc7imr@orednet.org>
Date: Tue, 12 Nov 2002 21:21:10 -0800 (PST)
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-106763-2002.11.13-00.34.09--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

```
How does "closed captionning" work?   Data in the horizontal or verticle
sync pulse???   Seems like you could put a ton of info there along with
position data?

just curious,
Doug

On Tue, 12 Nov 2002, larry Also wrote:

> How about just inserting the time and lat/long into the overscan lines of the video frame.  Arn't
there about 20 lines available for time signals, etc. in the NTSC signal being used by the netrworks?
The frame thus isn't compromized (data superimposed seems to cover just what one wanted to see), and the
 data can be used to correlate information for post mission re-creation.   .
>  "Dick C. Reichenbach" <dreichen@columbus.rr.com> wrote:
>
> David VanHorn wrote:
>
> > I like the APRN concept, but it needs a bit more work, so that the pictures are always tied to the
position of the sender.
> > I've heard that there's some standard for putting the ID in the picture, which would help a
>
> > great deal. Possibly you could jam a position in there too, which would be just about ideal.
>
```

> I like the idea, as well.
>
> For putting positions/id's in a picture here's a link. The input is RCA video and the output is RCA video, so it can go between a camera and the VC-H1. If you're ever get to Hamvention,
> this guy always has his model airplane video there (which uses ATV, not SSTV). It's pretty neat.
>
> http://www.icircuits.com/products.htm
>
> Dick R - KC8OBZ

Doug/KC7IMR

Trying to establish voice contact ... please yell into your keyboard.
-=-

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Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

---

265. [aprssig] Re: Lightweight low-power SSTV encoder

From: David VanHorn <dvanhorn@cedar.net>
Date: Wed, 13 Nov 2002 00:58:29 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-106764-2002.11.13-00.41.57--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

At 09:21 PM 11/12/2002 -0800, Doug McFadden wrote:
>How does "closed captionning" work?   Data in the horizontal or verticle
>sync pulse???   Seems like you could put a ton of info there along with
>position data?

CC is an FSTV thing.
SSTV has something sort of similar, but less data, and I have yet to find any spec on it.

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266. [aprssig] Re: SSTV encoder - Captioning and VIS Info

From: WA8LMF2@aol.com
Date: Wed, 13 Nov 2002 01:37:44 EST
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-106771-2002.11.13-01.22.34--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

In a message dated 11/12/2002 9:51:42 PM Pacific Standard Time,
kc7imr@orednet.org writes:

> How does "closed captionning" work?   Data in the horizontal or verticle
> sync pulse???   Seems like you could put a ton of info there along with
> position data?
The data stream (captioning text) is actually transmitted in the video part of line 20 of the picture as a sequence of black and white dots representing the 1s and 0s of ASCII characters. It's actually part of the video, not an additional signal. Because it is part of the normal video stream, it is transparent to all NTSC transmission systems and automatically gets recorded on VCRs.

On a normal TV, the image is "overscanned"; i.e. the size is set larger than the screen so that the picture completely fills the screen all the way to the corners and goes off the top, bottom and sides -- no black panels such as you typically see on computer monitors. The overscanning ensures that line 20 normally never gets seen. If you have an old TV with size and/or hold controls , you can shrink or roll the pic enough to see a shimmering flickering constantly changing string of black and white pixels on line 20. A pro studio monitor that underscans to reveal the ENTIRE picture will also show it.

>
> SSTV has something sort of similar, but less data, and I have yet to find
> any spec on it.

The SSTV variant called VIS "Vertical Interval Signalling" and IS a digital code placed in the vertical sync interval, not in the video. Of course, in SSTV there is only ONE vertical sync pulse (at the beginning of the transmission) since only one frame at a time is sent, so it is really more like an extended header that preceeds the picture.

Well, in the old days of 8-second 128-line B&W SSTV, sometimes one would send multiple frames in a single transmission so the vertical pulse would do what it does in fast scan (trigger a retrace to the top of the screen for the next frame). Today, with single frames taking 30-90 seconds each, I haven't seen anyone send multiple frames in one transmission.

The VIS is used solely to cause the receiving program to be able to auto-select from one of twenty-odd SSTV transmission modes before the picture is sent.

A quick search with Google for "SSTV VIS" netted the following:

Quoting from:
http://users.rcn.com/sstv/modes.html

"The original 8 second B&W SSTV mode (about 30 years ago) used 5 milliseconds of 1200 Hz for horizontal sync (separating scan lines) and 30 milliseconds of 1200 Hz at the beginning of a frame. The Robot 1200C introduced a new concept called Vertical Interval Signaling (VIS). All recent SSTV systems now use a longer vertical sync with a digital code representing the mode of the following image. This allows the receiving station to select the proper mode automatically.

The VIS code is sent as:

```
        30 mS start of 1200 Hz.
        7 data bits sent LSB first,
                30 mS each, 1100 Hz for 1, 1300 Hz for 0.
        Even parity bit of 30 mS.
        30 mS stop of 1200 Hz.       "
```

A lot more SSTV information is located at:
http://www.tima.com/~djones

including a table of VIS info located at:
http://www.tima.com/~djones/vis.txt

```
Stephen H. Smith                   wa8lmf @ aol.com
Home Page:                                      http://wa8lmf.com
Ham Radio/Mobile SSTV page:     http://members.aol.com/wa8lmf/ham
APRS Stuff
http://members.aol.com/wa8lmf/aprs
------------------------------------------------------------------------------

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|    Radio Communications Systems       Personal Computers
|                Consulting and Systems Integration
|    GPS Custom Mapping    &     Radio Coverage Surveys
|    File Conversions       MS-Windows Setups       Networking
------------------------------------------------------------------------------

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267. [aprssig] Re: SSTV encoder - Captioning and VIS Info

From: David VanHorn <dvanhorn@cedar.net>
Date: Wed, 13 Nov 2002 01:57:12 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-106772-2002.11.13-01.40.51--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

>
>The VIS is used solely to cause the receiving program to be able to
>auto-select from one of twenty-odd SSTV transmission modes before the picture
>is sent.

Chromapix talks about "caller id" or "CID", but so far, I haven't seen anything that tells how it's encided.

IMHO, APRN only works if we can get the pictures stored as files, with some link to the position and possibly callsign in the file name.   With that, we can pull up pictures taken by K8XXX on dec 20th near XX.yyy ZZZ.aaa.

Without it, we are stuck with someone having to view the pix, and save them under searchable file names, which is incredibly tedious.

I think this is why APRN never really happened, because there was no way to really link the picture to the sender, and where it was sent from.

I see huge application here for NWS damage surveys, in that teams could just go out an shoot away, and let the system index everything.
The only thing you wouldn't get from this is which way the camera was pointed, and that should be pretty easy to figure if the pix are shot right.

I have some encoder chips that are easy to get ahold of and use, that can put text on top of NTSC video for callsign and position encoding, but that only solves it partially.

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268. [aprssig] Re: VBI Closed Captions (Was: Lightweight low-power SSTV encoder)

From: "Mark Fellhauer" <sparkfel@qwest.net>
Date: Wed, 13 Nov 2002 01:16:15 -0600
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-106773-2002.11.13-02.00.17--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

At 11:21 PM 11/12/02, Doug McFadden wrote:

>How does "closed captionning" work?   Data in the horizontal or verticle
>sync pulse???   Seems like you could put a ton of info there along with
>position data?

As stated it's in the VBI, along with time-sync, V-chip data, and text/html services. And yes you can put a ton of data in there, not including Line 21, you can stuff at least 300 to 400 kpbs in the VBI.   If you're willing to give up a portion of the video screen to data you can send info up to 2 MBPS.

http://www.entechnology.com/sections/cybercast.htm

I've also seen some PVR/Tivo updates being sent late at night/early AM over cable TV on the Discovery Channel. It looks like a funny test pattern.

Back to Closed Captioning...

CC is reserved by law to line 21 of the VBI.   Some more info:

http://www.robson.org/capfaq/caption-charset.html

http://www.robson.org/gary/writing/nv-line21.html

As pointed out this info is carried through the NTSC spec. So using composite/component video or s-video - like from a cable box or VCR to your TV - the VBI data will carry over to the TV.   That means if you enable the V-Chip on your TV or monitor, your kids can not bypass it by using an external tuner and input.   I don't know about commercial VHS tapes or DVD's of movies, but I assume they also send NTSC V-chip data.   I don't have any ankle-biters around here so it's never been an issue to me...

The VBI is not sent in SSTV or some ATV.   Although I'm pretty sure the VBI data is sent by the little 2.4 GHz video senders that have become so popular with the ATV crowd - I'm sure throughput suffers.   A number of people have found all kinds of interesting uses for these transmitters, inserting data where video should be.   I do know that it will work with S/PDIF digital audio.

A google search has shown me there are a number of hobbyist circuits and devices that can insert custom CC data into an NTSC video signal.   I can think of all sorts of home automation and APRS applications for this.

```
73,

Mark
KC7BXS



---
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Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org
```

269. [aprssig] Re: VBI Closed Captions (Was: Lightweight low-power SSTV encoder)

From: David VanHorn <dvanhorn@cedar.net>
Date: Wed, 13 Nov 2002 02:30:09 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-106774-2002.11.13-02.13.36--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

```
>
>A google search has shown me there are a number of hobbyist circuits and devices that can insert custom
 CC data into an NTSC video signal.   I can think of all sorts of home automation and APRS applications
for this.
>
>73,
>
>Mark
>KC7BXS


Indeed, but your range with FSTV is severely limited for any given power level or antenna gain relative
to SSTV.
We're getting 10-20 miles with very simple, and relatively inexpensive systems here, using SSTV, and we
don't need full motion.

If I could put something into the SSTV audio that the receiving app would pick out, and use in the file
name that the image is saved in, then we'd be there.


FWIW, I worked on a system that was supposed to send credit card "negative files" over video back in the
 80's. Unfortunately, they were trying to push it to 6Mbits, and of course almost none of the data got
through.  The idea was that this would be used in inner cities, where of course your broadcast video is
perfect.. <VBG>

If they had stepped the data rate down to maybe 2 mbits or less, they would have had a veritable
firehose of data, but they wouldn't hear it. They were convinced that they could get 6mbits.



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```

270. [aprssig] New APRS toy...

From: "Darryl Smith" <Darryl@radio-active.net.au>
Date: Wed, 13 Nov 2002 19:37:09 +1100
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-106776-2002.11.13-03.22.18--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

```
People...

I have just finished the beta of a new aprs toy... Think Kenwood D7
without the display... For those public service events where you want
some people (race organisers etc) to see what you are tracking, but
don't want to give them a full tracker...

What most people have concentrated on is Trackers, which transmit the
positions from a GPS reciever to the world. I have developed almost
exactly the oposite - a device the recieves APRS packets and uploads
them to a GPS receiever without the need to a transmitting radio.
Basically think of this as being like a D7 radio, without the radio or
display.

The reason I have done it this way is that there are times in public
service events (or my consulting work) where we need to distribute APRS
information out into the field - but where it is not appropriate to have
transmitting stations, or laptops. So I have developed a device that
```

will go between a scanner and a GPS reciever to do that.

At the moment I am decoding AX-25 in an 16F84 IC, and feeding the serial stream into a 16F628. I am working on getting rid of the 16F84 but this might take a little time. I also have a MAX232 in there, but depending on the voltage I choose that might change model, or I might get rid of it all together. [I am pretty sure that 3V will not work for RS-232 high :-)]. I am looking at doing a PCB, but that might take some time... [I also want to do a surface mount version whe I get the bugs out...]

Late last night I was informed that Garmin ETREX GPS recievers (but higher models are) are not compatible with this [Feel free to email GARMIN to complain that the ETREX does not have NMEA/NMEA interface mode - I was really annoyed when I found out]. I am going to have a look at doing a PIC to allow this unit to work with the GARMIN binary protocol. It does not look TOO hard, but you can never tell.

Anyway some photos are available on
http://radio-active.net.au/web/tracking/antitracker.html

Darryl

---------
Darryl Smith, VK2TDS   POBox 169 Ingleburn NSW 2565 Australia
Mobile Number 0412 929 634 [+61 4 12 929 634 International]
Darryl@radio-active.net.au | www.radio-active.net.au

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271. [aprssig] Re: New APRS toy...

From: David VanHorn <dvanhorn@cedar.net>
Date: Wed, 13 Nov 2002 04:34:45 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-106777-2002.11.13-04.18.22--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

>I am pretty sure that 3V will not work for RS-232 high
>:-)].

That's just barely enough.

\>Anyway some photos are available on
\>http://radio-active.net.au/web/tracking/antitracker.html

Way cool.

You can add the GPS-V to your unsupported list, it only does NMEA out.

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272. [aprssig] mangled packet?

From: "Wes Johnston" <wes@johnston.net>
Date: Wed, 13 Nov 2002 05:56:31 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: <ksproul@vger.rutgers.edu>, <kb2ici@amsat.org>
Message-ID: <LYR842-106778-2002.11.13-05.40.54--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

I checked my van's position tonight, and it was about 1 block west of where it realy should be. I have noticed in the past that my position (when parked in the vicinity) would toggle between my real position and 1 block to the west. This only happens to my kenwood radio, not to the other NMEA tracker. So I surmise it must be a mic-e conversion problem.

```
KD4RDB-14>APD214,KD4RDB-1,W4APE-9*,WIDE2-1,qAS,wa4ssp:=3356.09N/08024.02Wv06
4/001/Mic-E/M0/Off duty.. ]"4L}
KD4RDB-14>SSUV0Y,KD4RDB-1,KD4PBS-3*,WIDE2,qAr,KF4VTT:'l4l*\v/]"4L}
```

```
KD4RDB-14>APRS,TCPIP,KD4HTW-2*,qAS,KD4HTW-2:@130015z3356.08N]08024.80W/090/1
46/Mic-E/M0/Off duty>
KD4RDB-14>APRS,TCPIP*,KD4HTW-2*,qAS,W1GRE:@130113z3356.08N]08024.80W/090/146
/Mic-E/M0/Off duty>
```

Thanks to the qAS protocol, I know now that the bad posits entered the aprs-IS at w1gre who is 100 miles from me and kd4htw-2 who is 40 miles from me. Both are running winaprs 2.5.1. Could it be that winaprs is mangling the packet by converting it be converting it from mic-e before passing on to APRS-IS? It only appears to happen within a very small area near this location, and only the longitude and speed seem to get mangled. My actual longitude is 80°24'02"w and my speed is certainly not 146mph sitting in my driveway. An earlier packet IGATED by wa4ssp was not mangled and his station ID's with APU24N, what ever that software is. I can't find a listing of APU in the aprs spec. KF4VTT didn't convert the packet at all, and is running UIview32n.

Here are some packets from a minute or two before I stopped transmitting last night...

```
KD4RDB-14>APK101,KD4RDB-1,KD4HTW-9*,WIDE2-2,qAS,KD4HTW-2:@130013z3356.20N/08
025.03Wv098/033/Mic-E/M0/Off duty>~v/]"4M}
KD4RDB-14>SSUV2Q,KD4RDB-1,KD4HTW-9*,WIDE2-2,qAS,KD4HTW-2:'l5 o>~v/]"4M}
KD4RDB-14>APK101,KD4RDB-1,KD4HTW-9*,WIDE2-1,qAS,W1GRE:@130110z3356.20N/08025
.03Wv098/033/Mic-E/M0/Off duty>~v/]"4M}
KD4RDB-14>APD214,KD4RDB-1,KA4KMA-5*,WIDE2-1,qAS,wa4ssp:=3356.21N/08025.04Wv0
98/033/Mic-E/M0/Off duty.. ]"4M}
KD4RDB-14>APK101,KD4RDB-1,KF4JEX-3,WIDE2*,qAS,KF4JEX:@130113z3356.20N/08025.
03Wv098/033/Mic-E/M0/Off duty>~v/]"4M}
KD4RDB-14>APK101,TCPIP*,KD4HTW-2*,qAS,W1GRE:@130111z3356.20N/08025.03Wv098/0
33/Mic-E/M0/Off duty>~v/]"4M}
KD4RDB-14>APK101,KD4RDB-1,KD4HTW-9*,WIDE2-2,qAS,KD4HTW-2:@130014z3356.08N/08
024.01Wv064/001/Mic-E/M0/Off duty>
KD4RDB-14>APK101,KD4RDB-1,KD4HTW-9*,WIDE2-1,qAS,W1GRE:@130112z3356.08N/08024
.01Wv064/001/Mic-E/M0/Off duty>
KD4RDB-14>APD214,KD4RDB-1,W4APE-9*,WIDE2-1,qAS,wa4ssp:=3356.09N/08024.02Wv06
4/001/Mic-E/M0/Off duty.. ]"4L}
KD4RDB-14>SSUV0Y,KD4RDB-1,KD4PBS-3*,WIDE2,qAr,KF4VTT:'l4l*\v/]"4L}
KD4RDB-14>APRS,TCPIP,KD4HTW-2*,qAS,KD4HTW-2:@130015z3356.08N]08024.80W/090/1
46/Mic-E/M0/Off duty>
KD4RDB-14>APRS,TCPIP*,KD4HTW-2*,qAS,W1GRE:@130113z3356.08N]08024.80W/090/146
/Mic-E/M0/Off duty>
```

Wes

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273. [aprssig] Re: New APRS toy...

From: Alex <kr1st@amsat.org>
Date: Wed, 13 Nov 2002 08:06:53 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-106782-2002.11.13-07.49.06--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Darryl Smith wrote:

> [Feel free to email
> GARMIN to complain that the ETREX does not have NMEA/NMEA interface mode

I've emailed them about a year ago. Got some canned message, but not a real response.

> - I was really annoyed when I found out].

In all fairness, this has been know from day one and has been reported on this list quite a few times. But I can understand your feelings.

What surprises me though is that NMEA-in is being treated as almost a sacred feature. The Garmin protocol has been around for quite a while and has been open for everyone to use. As far as I know NMEA is a closed protocol and you have to pay quite a bit to get the specs.

Garmin Communication Protocol for those interested:

http://www.garmin.com/support/commProtocol.html

> I am going to have a look at
> doing a PIC to allow this unit to work with the GARMIN binary protocol.

Not only this unit but almost ALL Garmins will then be able to use your
toy. Not a bad deal if you'd ask me.

> Anyway some photos are available on
> http://radio-active.net.au/web/tracking/antitracker.html

Very neat toy, Darryl!

It would be awesome if you could make a SMD version. I've been looking
for a SMD version of such a beast (well, actually a TNC) for quite a
while, but have only found them in Europe (no surprise here).

If anyone knows a cheap US source, I'm all ears.

73,
--Alex KR1ST

hrrp://www.kr1st.com

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274. [aprssig] WIDEn-n & TRACEn-n question

From: Ben Stienstra <bennys@xs4all.nl>
Date: Wed, 13 Nov 2002 14:41:45 +0100 (CET)
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-106784-2002.11.13-08.25.38--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Hi all,

I'd like to know your opinion about using WIDEn-n and TRACEn-n. First,
WIDEn-n has the advantage not using all 'via-paths' thus generating less
traffic than TRACEn-n who will use the 'via-paths' to show the route how
the packet travelled.

At the other hand, TRACEn-n gives valuable path information and has the
ability to filter certain packets on callsign. For example, if packet has
come through a certain digipeater, drop the packets and don't digipeat
them, because the digi is too close by. DIGI_Ned has the ability to alter
a WIDEn-n path to TRACEn-n and visa versa.

The question is, should "we" discard usefull path information in place of
shorter transmission times? Does it really yield a lower channel load and
does that matter enough?

Thanks in advance,
Ben, PD2BS

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---

275. [aprssig] proposal for APRS digi cluster, please comment

From: "Chris van Gorp" <pd0rhm@amsat.org>
Date: Wed, 13 Nov 2002 8:8:24
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-106785-2002.11.13-08.52.18--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Hi all,

Proposal for an "APRS Digi Cluster"

I am proposing a new digipeater configuration that provides:
- A solution for digipeaters that are in the same area and therefore interfering with each other,
- A more reliable digipeater infrastructure.

Given a situation where there are 2 or 3 (or even more) digipeaters in the

same area.
These digipeaters are to form an "APRS digi cluster".

The basic idea is to set up each of the digipeaters up with knowledge of
the existence of the other digipeaters in the 'cluster'.

The digipeater rules are changed in such a manner that frames already
digipeated by one of
the other cluster members are dropped.

Benefits are obvious:
- Digipeaters can be (taken) down without causing problems to the network.
- Not more then the required number of transmission of a frame in the area
of the cluster.

The requirement for this is that:
1) The digipeater should insert its callsign in the unproto path.
(If this is normally not done because of WIDE or WIDEn-n usage, the
callsign must be entered in the path by other means.)
2) The digipeater must have a rule to drop frames already digipeated by one
of the other cluster members.

Experiments with DIGI_NED were partially successful; Roger Barker of UIView
is already made aware of this concept.

This idea originated from both Ben PD2BS and me while we were trying to get
our APRS network working better.

Please feel free to comment.

73 Chris PD0RHM
Member of APRS workgroup Netherlands

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276. [aprssig] Re: New APRS toy...

From: "Andrew Rich" <andrew.rich@bigpond.com>
Date: Thu, 14 Nov 2002 00:11:11 +1000
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-106786-2002.11.13-08.55.08--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

I have done this on a GARMIN 176

www.tech-software.net

-----Original Message-----
From: bounce-aprssig-30130@lists.tapr.org
[mailto:bounce-aprssig-30130@lists.tapr.org]On Behalf Of David VanHorn
Sent: Wednesday, 13 November 2002 19:35
To: TAPR APRS Special Interest Group
Subject: [aprssig] Re: New APRS toy...

>I am pretty sure that 3V will not work for RS-232 high
>:-)].

That's just barely enough.

>Anyway some photos are available on
>http://radio-active.net.au/web/tracking/antitracker.html

Way cool.

You can add the GPS-V to your unsupported list, it only does NMEA out.

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```
---
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```

277. [aprssig] Re: SSTV encoder - Captioning and VIS Info

From: James Jefferson <jjeffers@aprsworld.net>
Date: Wed, 13 Nov 2002 08:15:12 +0000
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-106790-2002.11.13-08.58.24--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

```
> I have some encoder chips that are easy to get ahold of and use, that can
> put text on top of NTSC video for callsign and position encoding, but that
> only solves it partially.

It seems to me that OCR these days would be good enough to decode the overlaid
text, especially if it has black behind it or a halftone screen. I'm also
assuming that there are free OCR libraries or a hook could be written to use
the TWAIN OCR stuff that comes with every scanner.

-Jim KB0THN

---
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```

278. [aprssig] Re: WIDEn-n & TRACEn-n question

From: "Don" <kyham@alltel.net>
Date: Wed, 13 Nov 2002 09:20:00 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-106791-2002.11.13-09.02.16--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

```
Roger just posted info on that same subject just today.   His example
indicates that using TRACE 'CAN' reduce bandwidth if you simply eliminate
all the software name comments.   I do believe that is what the code at the
beginning indicates.

I would much rather see the path than 'WinAPRS 2.5'.  Path is more valuable.


Don            K9SOA   (EM77EX)
HF-2m-70cm-APRS
www.k9soa.net

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----- Original Message -----
From: Ben Stienstra <bennys@xs4all.nl>
To: TAPR APRS Special Interest Group <aprssig@lists.tapr.org>
Sent: Wednesday, November 13, 2002 8:41 AM
Subject: [aprssig] WIDEn-n & TRACEn-n question


> Hi all,
>
> I'd like to know your opinion about using WIDEn-n and TRACEn-n. First,
> WIDEn-n has the advantage not using all 'via-paths' thus generating less
> traffic than TRACEn-n who will use the 'via-paths' to show the route how
> the packet travelled.
>
> At the other hand, TRACEn-n gives valuable path information and has the
> ability to filter certain packets on callsign. For example, if packet has
> come through a certain digipeater, drop the packets and don't digipeat
> them, because the digi is too close by. DIGI_Ned has the ability to alter
> a WIDEn-n path to TRACEn-n and visa versa.
>
> The question is, should "we" discard usefull path information in place of
> shorter transmission times? Does it really yield a lower channel load and
> does that matter enough?
```

```
>
> Thanks in advance,
> Ben, PD2BS
>
>
>
> ---
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>
>



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```

---

279. [aprssig] Re: proposal for APRS digi cluster, please comment

From: "Don" <kyham@alltel.net>
Date: Wed, 13 Nov 2002 09:23:20 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-106793-2002.11.13-09.05.31--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

```
Sounds like a better way than the current CA & NE answer.




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www.k9soa.net

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----- Original Message -----
From: Chris van Gorp <pd0rhm@amsat.org>
To: TAPR APRS Special Interest Group <aprssig@lists.tapr.org>
Sent: Wednesday, November 13, 2002 12:00 AM
Subject: [aprssig] proposal for APRS digi cluster, please comment


> Hi all,
>
> Proposal for an "APRS Digi Cluster"
>
> I am proposing a new digipeater configuration that provides:
>  - A solution for digipeaters that are in the same area and therefore
> interfering with each other,
>  - A more reliable digipeater infrastructure.
>
> Given a situation where there are 2 or 3 (or even more) digipeaters in the
> same area.
> These digipeaters are to form an "APRS digi cluster".
>
> The basic idea is to set up each of the digipeaters up with knowledge of
> the existence of the other digipeaters in the 'cluster'.
>
> The digipeater rules are changed in such a manner that frames already
> digipeated by one of
> the other cluster members are dropped.
>
> Benefits are obvious:
> - Digipeaters can be (taken) down without causing problems to the network.
> - Not more then the required number of transmission of a frame in the area
> of the cluster.
>
> The requirement for this is that:
> 1) The digipeater should insert its callsign in the unproto path.
> (If this is normally not done because of WIDE or WIDEn-n usage, the
> callsign must be entered in the path by other means.)
> 2) The digipeater must have a rule to drop frames already digipeated by
one
> of the other cluster members.
>
> Experiments with DIGI_NED were partially successful; Roger Barker of
UIView
> is already made aware of this concept.
>
> This idea originated from both Ben PD2BS and me while we were trying to
get
> our APRS network working better.
>
> Please feel free to comment.
>
> 73 Chris PD0RHM
> Member of APRS workgroup Netherlands
>
> ---
> You are currently subscribed to aprssig as: kyham@alltel.net
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>


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```

---

280. [aprssig] Re: WIDEn-n & TRACEn-n question

From: "Ben Stienstra" <bennys@xs4all.nl>
Date: Wed, 13 Nov 2002 15:41:35 +0100 (CET)
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-106794-2002.11.13-09.25.25--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

```
> I would much rather see the path than 'WinAPRS 2.5'.  Path is more
> valuable.

Yes, i agree on that one, but does WinAPRS always sends a software id &
version as comment? Many users here in the Netherlands use UI-View and
sends all kinds of comments, like email address, name, qth, "have a nice
weekend" and other stuff. Or is Roger talking about discarding the
complete comment?

It would require good and intelligent filters to filter out software names
and id's. And where is the end? What should "we" disregard next? Email
addresses, website's, etc?

kind regards,
Ben, PD2BS





---
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```

---

281. [aprssig] Re: New APRS toy...

From: Bill Owens <owens@nysernet.org>
Date: Wed, 13 Nov 2002 10:37:13 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-106802-2002.11.13-10.21.04--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

```
At 8:06 -0500 11/13/02, Alex wrote:
>What surprises me though is that NMEA-in is being treated as almost a
>sacred feature. The Garmin protocol has been around for quite a while
>and has been open for everyone to use. As far as I know NMEA is a closed
>protocol and you have to pay quite a bit to get the specs.

$250, or about the price of a decent GPS receiver. Certainly a bit
much for a hobbyist but not even worth considering for a commercial
enterprise.
```

Bill.

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282. [aprssig] Maps for GPS Chartplotter

From: "Garren Davis" <garren.davis@qlogic.com>
Date: Wed, 13 Nov 2002 08:09:22 -0800
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-106804-2002.11.13-10.55.14--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Hello,

I am hoping someone can help me with a question I have
about a new GPS unit I just got. It is the ICOM GP-360ML
GPS chartplotter. The price was $999.99 but BOATUS has it
on sale for 299.99 and until Sunday they give an extra %10
off that price. It uses the Navionics chart cartridges to
display the maps on the GPS but you can only get charts
for the coastal areas. My question is "does anyone know
if I can get chart cartridges that will display roads and
inland areas?" Or is there any software I can use to program
my own blank chart cartridges? This GPS unit is big and
the display is easy to read in my rough riding truck. If
I can get some maps for it then this would be the perfect
addition for my APRS setup. If not then at least I have
a GPS unit I can see and read while driving. Thanks

Garren

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283. [aprssig] Re: WIDEn-n & TRACEn-n question

From: "Don" <kyham@alltel.net>
Date: Wed, 13 Nov 2002 12:07:50 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: "aprssig" <aprssig@lists.tapr.org>
Message-ID: <LYR842-106832-2002.11.13-11.49.52--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

For ME, Station ID & SSID, Position with TYPE & Overlay char, Full path
taken, Weather Info, and short message as required. Software product is
already CODED but really, who cares what program sent the packet? What
difference does it make. It adds nothing to the information you are trying
to pass.

How about including the type, model, power, antenna, antenna height in EVERY
VOICE transmission in all bands. Overkill.

Don K9SOA (EM77EX)
HF-2m-70cm-APRS
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----- Original Message -----
From: Ben Stienstra <bennys@xs4all.nl>
To: Don <kyham@alltel.net>
Sent: Wednesday, November 13, 2002 9:40 AM
Subject: Re: [aprssig] Re: WIDEn-n & TRACEn-n question

```
> > I would much rather see the path than 'WinAPRS 2.5'.  Path is more
> > valuable.
>
> Yes, i agree on that one, but does WinAPRS always sends a software id &
> version as comment? Many users here in the Netherlands use UI-View and
> sends all kinds of comments, like email address, name, qth, "have a nice
> weekend" and other stuff. Or is Roger talking about discarding the
> complete comment?
>
> It would require good and intelligent filters to filter out software names
> and id's. And where is the end? What should "we" disregard next? Email
> addresses, website's, etc?
>
> kind regards,
> Ben, PD2BS
>
>
>
>
```

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284. [aprssig] This email system is a PAIN

From: "Don" <kyham@alltel.net>
Date: Wed, 13 Nov 2002 12:21:07 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-106835-2002.11.13-12.03.11--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Send a message without COUNTING lines and it gets bounced but not until I
have already deleted the old message I was replying to. WASTE...........

```
Don            K9SOA   (EM77EX)
HF-2m-70cm-APRS
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---

285. [aprssig] KH-7 and KH-9 images to be released.

From: Alex <kr1st@amsat.org>
Date: Wed, 13 Nov 2002 12:49:11 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-106837-2002.11.13-12.31.22--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Images from the KH-7 and KH-9 surveillance satellites will be released
on November 15th.

http://www.usgs.gov/features/satellite_images.html

These images will be made available through EarthExplorer:

http://earthexplorer.usgs.gov

Are there any APRS type applications that can use EarthExplorer to
generate ovelays like the Terraserver images through Findu?

73,
--Alex KR1ST

```
http://www.kr1st.com

---
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```

286. [aprssig] Re: New APRS toy...

From: "Curt Mills, WE7U" <hacker@tc.fluke.com>
Date: Wed, 13 Nov 2002 10:35:03 -0800 (PST)
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: TAPR APRS Special Interest Group <aprssig@lists.tapr.org>
Message-ID: <LYR842-106844-2002.11.13-13.18.57--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

```
On Wed, 13 Nov 2002, David VanHorn wrote:

> You can add the GPS-V to your unsupported list, it only does NMEA out.

Wasn't there a Street Pilot or Street Pilot color that also was NMEA
out only?  Early model as I recall.

I seem to remember a marine mapping unit that also had this problem?

--
Curt Mills, WE7U                    hacker_NO_SPAM_@tc.fluke.com
Senior Methods Engineer/SysAdmin
"Lotto:    A tax on people who are bad at math!"
"Windows:  Microsoft's tax on computer illiterates!" -- WE7U
"The world DOES revolve around me:  I picked the coordinate system!"


---
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287. [aprssig] 3rd party loop filtering. not preferred

From: Bob Bruninga <bruninga@usna.edu>
Date: Wed, 13 Nov 2002 14:06:59 -0500 (EST)
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: TAPR APRS Special Interest Group <aprssig@lists.tapr.org>
Message-ID: <LYR842-106847-2002.11.13-13.50.58--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

```
On Mon, 11 Nov 2002, Curt Mills, WE7U wrote:

> Xastir does look for the initial '}' character and refuses to gate those
> packets to the 'net. It looks like at least one of the APRS clients _is_
> gating third-party packets into the internet though!

This has been a long term debate.  I dont like using the 3rd party format
as a defacto LOOP filter in the APRSIS.  The 3rd party format is used in
many other applications other than just gating internet traffic to RF,
thus, it should not be used as a REJECT filter to prevent IS looping.
(thought that is how Mac/WinAPRS and APRServe initially began doing things
for simplicity of loop filtering.).

Now that we have other mechanisms to identify packets that have traversed
the APRS-IS, I favor moving away from this 3rd party loop-filter cruch.
Filtering based on TCPIP has always been a good method.  Now filtering on
the Qas construct (or whatever it currently is) is another...

Bob, WB4APR



---
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288. [aprssig] Re: Maps for GPS Chartplotter

From: "Charles H. Rahe, II" <crahe@infi.net>
Date: Wed, 13 Nov 2002 14:14:48 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: TAPR APRS Special Interest Group <aprssig@lists.tapr.org>

Message-ID: <LYR842-106848-2002.11.13-13.58.58--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

```
Several comments for you Garren-

Most times in BOAT/US sales electronics are only discounted 5%, you have to
read the fine print.

I'm not aware of any Navionics cartridges with roads, but you could check
there web site.

You might also check out the LowRance & Garmin units that have a CD of maps
available. I have two LowRance units that I use in my truck & they work fine
with APRS.

Charlie

Garren Davis wrote:

> Hello,
>
> I am hoping someone can help me with a question I have
> about a new GPS unit I just got. It is the ICOM GP-360ML
> GPS chartplotter. The price was $999.99 but BOATUS has it
> on sale for 299.99 and until Sunday they give an extra %10
> off that price. It uses the Navionics chart cartridges to
> display the maps on the GPS but you can only get charts
> for the coastal areas. My question is "does anyone know
> if I can get chart cartridges that will display roads and
> inland areas?" Or is there any software I can use to program
> my own blank chart cartridges? This GPS unit is big and
> the display is easy to read in my rough riding truck. If
> I can get some maps for it then this would be the perfect
> addition for my APRS setup. If not then at least I have
> a GPS unit I can see and read while driving. Thanks
>
> Garren
>
> ---
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```

---

289. [aprssig] RE: 3rd party loop filtering. not preferred

From: "AE5PL Lists" <HamLists@ametx.com>
Date: Wed, 13 Nov 2002 13:26:54 -0600
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-106849-2002.11.13-14.10.43--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

```
> -----Original Message-----
> From: Bob Bruninga [mailto:bruninga@usna.edu]
> Posted At: Wednesday, November 13, 2002 1:08 PM
> Subject: [aprssig] 3rd party loop filtering. not preferred
>
> Now that we have other mechanisms to identify packets that
> have traversed the APRS-IS, I favor moving away from this 3rd
> party loop-filter cruch. Filtering based on TCPIP has always
> been a good method.  Now filtering on the Qas construct (or
> whatever it currently is) is another...

A little clarification drawn from previous discussions.

The q construct should never appear on RF.
No third-party packets should ever appear as third-party packets on
APRS-IS.

Third-party packets with TCPIP or TCPXX in the third-party header
(latter is up to the IGate operator) should never be gated back to
APRS-IS.  Third-party packets without TCPIP or TCPXX should be gated
back to APRS-IS as standard packets (not third-party).  This last is
accomplished as follows:
```

```
XGATE-1>APRS,WIDE2-2:}MYSPCL-1>APRS,MYNET*,XGATE-1:rest of packet
```

Should be gated to APRS-IS as:

```
MYSPCL-1>APRS,MYNET*,XGATE-1:rest of packet
```

The gating station may add a q construct or ,I construct to the header as desired.

Problematic in the above is the possibility of looped gating as follows:

```
RF: XGATE-1>APRS,WIDE2-2:}MYSPCL-1>APRS,MYNET*,XGATE-1:rest of packet
APRS-IS: MYSPCL-1>APRS,MYNET*,XGATE-1:rest of packet
RF: XGATE-2>APRS,WIDE2-2:}MYSPCL-1>APRS,TCPIP*,XGATE-2:rest of packet
MYNET: MYSPCL-1>APRS,TCPIP*,XGATE-2:rest of packet
RF: XGATE-1>APRS,WIDE2-2:}MYSPCL-1>APRS,MYNET*,XGATE-1:rest of packet
```

Based on this potential loop, full third-party packet filtering at the IGate may be necessary. (MYNET is a mythical network for example purposes only.)

>From previous discussions, some have expressed a desire to be able to gate to RF not using the third-party format. While this is problematic for many reasons, it implies that TCPIP or TCPXX either in the third-party header or in the regular header means "do not gate to APRS-IS".

73,

Pete Loveall AE5PL
pete@ae5pl.net

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---

290. [aprssig] Re: Maps for GPS Chartplotter

From: "Garren Davis" <garren.davis@qlogic.com>
Date: Wed, 13 Nov 2002 11:29:04 -0800
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-106850-2002.11.13-14.15.23--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Charlie,

I received a flyer from BOAT/US in the mail last week. On the front page they had the GP360-ML GPS chartplatter for $299.99. At the top of the flyer it said %10 off of everything from 11-15 thru 11-17. I went to their store to look at the unit and the salesman said he would give me the %10 off even though the sale had not started yet. I don't know why it was discounted from $999.99 to $299.99 but with the %10 discount it seemed like a good deal so I bought it. It does not have WAAS but it can be upgraded to include it.

Garren

Several comments for you Garren-

Most times in BOAT/US sales electronics are only discounted 5%, you have to read the fine print.

I'm not aware of any Navionics cartridges with roads, but you could check there web site.

You might also check out the LowRance & Garmin units that have a CD of maps available. I have two LowRance units that I use in my truck & they work fine with APRS.

Charlie

Garren Davis wrote:

> Hello,
>
> I am hoping someone can help me with a question I have
> about a new GPS unit I just got. It is the ICOM GP-360ML

> GPS chartplotter. The price was $999.99 but BOATUS has it
> on sale for 299.99 and until Sunday they give an extra %10
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> display the maps on the GPS but you can only get charts
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> if I can get chart cartridges that will display roads and
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> my own blank chart cartridges? This GPS unit is big and
> the display is easy to read in my rough riding truck. If
> I can get some maps for it then this would be the perfect
> addition for my APRS setup. If not then at least I have
> a GPS unit I can see and read while driving. Thanks
>
> Garren
>
> ---
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> To unsubscribe send a blank email to leave-aprssig-842K@lists.tapr.org
> Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

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291. [aprssig] Re: Maps for GPS Chartplotter

From: "Garren Davis" <garren.davis@qlogic.com>
Date: Wed, 13 Nov 2002 11:41:36 -0800
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-106851-2002.11.13-14.27.25--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Charlie,

I forgot to mention that I looked on their web site for cartridges
with roads. I did a google search also and could not find anything.
I was hoping there was some sort of software package that could
generate maps and program a blank cartridge.

Garren

Several comments for you Garren-

Most times in BOAT/US sales electronics are only discounted 5%, you have to
read the fine print.

I'm not aware of any Navionics cartridges with roads, but you could check
there web site.

You might also check out the LowRance & Garmin units that have a CD of maps
available. I have two LowRance units that I use in my truck & they work fine
with APRS.

Charlie

Garren Davis wrote:

> Hello,
>
> I am hoping someone can help me with a question I have
> about a new GPS unit I just got. It is the ICOM GP-360ML
> GPS chartplotter. The price was $999.99 but BOATUS has it
> on sale for 299.99 and until Sunday they give an extra %10
> off that price. It uses the Navionics chart cartridges to
> display the maps on the GPS but you can only get charts
> for the coastal areas. My question is "does anyone know
> if I can get chart cartridges that will display roads and
> inland areas?" Or is there any software I can use to program
> my own blank chart cartridges? This GPS unit is big and
> the display is easy to read in my rough riding truck. If

> I can get some maps for it then this would be the perfect
> addition for my APRS setup. If not then at least I have
> a GPS unit I can see and read while driving. Thanks
>
> Garren
>
> ---
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> Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

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292. [aprssig] Re: question

From: Bob Bruninga <bruninga@usna.edu>
Date: Wed, 13 Nov 2002 14:54:24 -0500 (EST)
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: TAPR APRS Special Interest Group <aprssig@lists.tapr.org>
Message-ID: <LYR842-106852-2002.11.13-14.38.22--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

On Tue, 12 Nov 2002, Ben Stienstra wrote:

> >>   I if WIDEn-N (and realy,wide and trace) but ID is set to ON
>
> What does "ID is set to ON" mean, which ID?

The full proper command in a KPC-3 or KPC-9612 digipeater is

UIFLOOD WIDE,28,NOID   (as opposed to "ID").

Home stations should always have UIFLOOD OFF.
de WB4APR, Bob

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---

293. [aprssig] Re: APRS Icon for open ham 802.11b node?

From: Bob Bruninga <bruninga@usna.edu>
Date: Wed, 13 Nov 2002 14:59:07 -0500 (EST)
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: TAPR APRS Special Interest Group <aprssig@lists.tapr.org>
Message-ID: <LYR842-106854-2002.11.13-14.43.11--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

On Tue, 12 Nov 2002, Jeff King wrote:

> Can anyone suggest a recommended APRS Icon for a open amateur radio run 802.11b
> node? Ideally with the SSID maybe as a status message or something.
>
> Also, as I am talking to some folks not currently on APRS, can someone direct
> me to a visual ICON table that is on the internet?

I might suggest the GATE icon with an overlay of the character "8" for
802? Just a thought. The GATE ICON is a diamond shape.

Bob
>
> Thanks!
>
> Jeff wb8wka
>
> ---
> You are currently subscribed to aprssig as: bruninga@usna.edu

```
> To unsubscribe send a blank email to leave-aprssig-842K@lists.tapr.org
> Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org
>

de WB4APR@amsat.org, Bob

PCsat WEB  page     http://www.ew.usna.edu/~bruninga/pcsat.html
ISS-APRS FAQ:       http://www.ew.usna.edu/~bruninga/iss-faq.html
CUBESAT Designs     http://www.ew.usna.edu/~bruninga/cubesat.html
APRS LIVE pages     http://www.ew.usna.edu/~bruninga/aprs.html
APRS SATELLITES     http://www.ew.usna.edu/~bruninga/astars.html
MIM/Mic-E/Mic-Lite  http://www.toad.net/~wclement/bruninga/mic-lite.html


---
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Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org
```

294. [aprssig] RE: question

From: Bob Bruninga <bruninga@usna.edu>
Date: Wed, 13 Nov 2002 15:17:48 -0500 (EST)
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: TAPR APRS Special Interest Group <aprssig@lists.tapr.org>
Message-ID: <LYR842-106856-2002.11.13-15.01.47--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

```
On Tue, 12 Nov 2002, Bill Herrmann wrote about UIFLOOD WIDE,28,NOID for
HIGH LEVEL digipeaters:

> The Kenwood D700 also supports this setting. They do have an additional
> setting that may make sense to use. (They support "first" which only adds
> id if it's the first digi to hear it. I've not tested this as I don't have
> a Kenwood.)

Yes, I asked both Kenwood and Kantronics to add a FIRST option, because
of all the problems we have had with people wrongly setting the ID
setting.  With FIRST set, then the first digi that hears the packet will
add its callsign (if there is not one already there) so that we can always
see where the packet entered the network.

But it will be years before we see this evolved into the existing APRS
infrastgructure.

Remember too, that we do NOT WANT TO SEE mobile Kenwoods with UIFLOOD
enabled!  This would be disaasterous to the network, unless the D700 is
actually on a  mountain top serving intentionally as a WWIDEn-N digi.

de WB4APR, Bob


---
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```

295. [aprssig] Re: WIDEn-n & TRACEn-n question

From: Bob Bruninga <bruninga@usna.edu>
Date: Wed, 13 Nov 2002 15:24:35 -0500 (EST)
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: TAPR APRS Special Interest Group <aprssig@lists.tapr.org>
Message-ID: <LYR842-106857-2002.11.13-15.08.36--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

```
On Wed, 13 Nov 2002, Ben Stienstra wrote:

> The question is, should "we" discard usefull path information in place of
> shorter transmission times? Does it really yield a lower channel load and
> does that matter enough?

TRACEn-N is only there for testing and special purposes.  It was never
intended to be used routinely because it takes too much bandwidth...

Bob


---
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```

Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

296. [aprssig] Re: proposal for APRS digi cluster, please comment

From: Bob Bruninga <bruninga@usna.edu>
Date: Wed, 13 Nov 2002 15:32:50 -0500 (EST)
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: TAPR APRS Special Interest Group <aprssig@lists.tapr.org>
Message-ID: <LYR842-106858-2002.11.13-15.17.13--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

On Wed, 13 Nov 2002, Chris van Gorp wrote:

> I am proposing a new digipeater configuration...
> The basic idea is to set up each of the digipeaters up with knowledge of
> the existence of the other digipeaters in the 'cluster'.
>
> The digipeater rules are changed in such a manner that frames already
> digipeated by one of the other cluster members are dropped.

This is very dangerous thinking. APRS is fundammentaly dependent on a
certain level of duplicate packets to make up for lost packets due to
collisions. APRS was designed with the concept that there would be
MULTIPLE dupes of most packets on the air to add reliability to DELIVERY.

I oppose methods taken to arbitrariliy eliminate all dupes. This
undermines the reliability of the network for packet delivery.

How many dupes are too many? Id say 3 or more. How many are too few?
0. SO the design of a proper network that has the intention of optimizing
network RELIABILITY (including packet delivery) must have some dupes in
the system. RIght about an original packet and a follow-up dupe is
probably the best design...

This is a very complex and mathematically determinant system to optimize
for both throughput and delivery relibility. If you want to filter
somethign out, filter out DX packets coming in from out of area. but
this is a very hard thinng to do without undermining the consistency of
the network...

de WB4APR, Bob

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297. [aprssig] Re: WIDEn-n & TRACEn-n question

From: Bob Bruninga <bruninga@usna.edu>
Date: Wed, 13 Nov 2002 15:35:37 -0500 (EST)
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: TAPR APRS Special Interest Group <aprssig@lists.tapr.org>
Message-ID: <LYR842-106859-2002.11.13-15.19.43--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

On Wed, 13 Nov 2002, Don wrote:

> I would much rather see the path than 'WinAPRS 2.5'. Path is more valuable.

What amazes me is the number of WinAPRS stations that include the version
number 3 times in every position packet!

```
In the TOCALL  APW251
In the text    WinAPRS 2.5.1
And on the end <251>
```

all in the same packet. Seems quite wasteful of bandwidth...

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298. [aprssig] Thanks Dale for the WXSVR Server!

From: "Mark A. Foley" <na4v@cox.net>
Date: Wed, 13 Nov 2002 15:58:38 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-106860-2002.11.13-15.42.11--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

I would like to take an opportunity to express my thanks to Dale Huguley, KQ5QD, for all of his time and effort with the WXSVR APRS server project. Last weekend he had to take the WXSVR down to perform upgrades to his shack. Unfortunatley, Mother Nature didn't check with him before he started. As luck would have it, one of the worst outbreak of severe weather hit the Southeast in quite sometime Sunday/Monday. I e-mailed Dale when allot of this was starting to develop...and he quckly became pro-active and set up the WXSVR server in another part of his house. We were blessed to have that vital information quickly returned to this area...
--- From all of us Dale....Thanks ---
Mark, NA4V

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299. [aprssig] Re: proposal for APRS digi cluster, please comment

From: Henk de Groot <henk.de.groot@hetnet.nl>
Date: Wed, 13 Nov 2002 21:35:50 +0100
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-106861-2002.11.13-16.00.40--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Hello,

At 08:08 13-11-02 +0000, Chris van Gorp wrote:
>The basic idea is to set up each of the digipeaters up with knowledge of
>the existence of the other digipeaters in the 'cluster'.

<snip>

>1) The digipeater should insert its callsign in the unproto path.
>(If this is normally not done because of WIDE or WIDEn-n usage, the
>callsign must be entered in the path by other means.)

This is what is killing the idea. Digipeating on destination SSID will also not always include the callsign of the sender. You can make rules in DIGI_NED to always add the callsign of the sender, that's what the "hijack:" rule in DIGI_NED was for, which substitutes the call just before WIDEn_N. This can however trash the digi call where the packet entered the system (like "ID" in the KPC TNC). If you don't use the "hijack:" rule but just add the call then WIDEn-N behaves like TRACEn-N; that's not wat you want either. You could add the call at the end, but then also the packet gets longer and longer each time it passes such a cluster digi. I don't see any workable scenario here.

>2) The digipeater must have a rule to drop frames already digipeated by one
>of the other cluster members.

This will require that one of the repeaters always acts slower than the other to be able to stop the packet in time. They both receive the packet at exactly the same time so the repeat of the other digi will always be received later. So instead of immediate transmission of a received packet, the digi needs to queue the packet for a few seconds and take the packet from the queue as soon as it sees that the other digi caught it already. This can be done however, detection if a packet is already transmitted by its twin will be the hardest.

>Experiments with DIGI_NED were partially successful; Roger Barker of UIView
>is already made aware of this concept.

This idea exists for years already and I thought about it a lot, but I'm not able to find a working solution in the current APRS system without throwing a lot of functionality away.

A suggesion might be to detect if the same packet is recieved twice immediately after eachother to detect that the other digi got it. But this doesn't work because the interesting scenario is if one or the other fails to receive the original packet.

Receiving one packet may mean that you missed the original, if you then

retransmit the packet, which is already repeated by your twin, the the
cluster digi eats up 2 hops instead of one. If your twin missed the packet,
then you also see one packet, the original. If you then transmit it, the
twin will see it for the first time and also transmit, again eating two
hops. So if one or the other missed the packet, both will eventually
tranmit it and the cluster will use up 2 hops. This is not what you want...
It works for 50% if only one digi has "twin" packet detection and the other
is just a plain digi.

The only way this works is if you see two packets, but if you always see
two packets then you didn't need this cluster scenario in the first place,
one would be reliable enough...

Besides this you get terible deployment problems, most users will not know
how to setup such a digi cluster. It's already hard enough to get the
Kantronics TNC configured correctly.

There are easier alternatives:

If you want more reliability then my proposal would be to use two radios at
some distance and connect it to one PC with a repeater. This is some sort
of RX diversity setup (no TX diversity; I think only of the radio's should
actually transmit since you cannot transmit simultaneously without
destroying the signal and having one radio transmit after the other would
take away too much channel capacity).

If you want to make it work with 2 digipeaters then these two need an extra
communication channel between eachother to exchange data about what has
been repeated already, for example sharing the data that is retained to do
duplicate checking between with both digipeaters.

If you want to back up, then just make a backup digi that looks for the
call of the main digi. If not seen after 20 minutes then also start
digipeating. Stop as soon as the call of the main digi is seen again. Now
the backup digi works as hot-standby and reception of the call of the main
digi is kind of resetting the watchdog. To be sure you can let the main
digi send its call in a short ID packet (with no digi path) so it is
guaranteed to be transmitted at least every 5 minutes or so; after 15
minutes you can more or less be sure that the digi is dead if the call is
not seen.

I hope this comment is usefull for you and others.

Kind regards,

Henk.

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---

300. [aprssig] Re: New APRS toy...

From: Henk de Groot <henk.de.groot@hetnet.nl>
Date: Wed, 13 Nov 2002 21:58:16 +0100
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-106862-2002.11.13-16.01.01--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Hallo Alex and all,

At 08:06 13-11-02 -0500, Alex wrote:
>Darryl Smith wrote:
>
> > [Feel free to email
> > GARMIN to complain that the ETREX does not have NMEA/NMEA interface mode
>
>I've emailed them about a year ago. Got some canned message, but not a
>real response.

I also did it, it seems the eTrex ran out of memory. I added the message I
got below. As usualy the answer is incomplete with respect to my questions,
but at least somebody bothered to answer.

As I see it, no chance unless they dump some other functionalty to make space.

Kind regards,

Henk.

(note that I expanded by question to make it readable again, in the
original response they made one big unreadable line out of it)
------------------------ Garmin response ---------------------------
From: "Broad, Tony" <Tony.Broad@garmin.com>
To: "'henk.de.groot@hetnet.nl'" <henk.de.groot@hetnet.nl>
Subject: RE: Technical Support Form - Product: eTrex
Date: Thu, 28 Jun 2001 10:47:05 -0500
X-Mailer: Internet Mail Service (5.5.2653.19)

Hi Henk,

Sorry, the standard eTrex does not have sufficient code space to have these features added - although our engineers are working on it and may find some way of doing this in the future.

Comments about the track lines have been noted by our engineers, but I do not know if they intend to change this setting.

The NMEA input was part of the update for the eTrex European.

Regards,

Tony Broad
Service/Support and MIS Manager
Garmin (Europe) Ltd
http://www.garmin.com
http://www.garmin.com/support/

-----Original Message-----
From: henk.de.groot@hetnet.nl [mailto:henk.de.groot@hetnet.nl]
Sent: 28 June 2001 10:01
Subject: Technical Support Form - Product: eTrex

Question #: 60931
Route to: techsupp.europe@garmin.com
Visited FAQs:
Contact Information:
First Name: Henk
Middle Initial
Last Name: de Groot
Address: Schopenhauerstraat 10
City, State, Zip: Apeldoorn, NL, 7323MC
Country: Netherlands
Phone: +31 53 4505400
E-mail: henk.de.groot@hetnet.nl
GARMIN Product: eTrex
Serial Number:
Software Version: 2.10
Problem:
Hello Garmin,

3 quick questions, not found in the FAQ:

1) On the update page I see the european model, sw 2.05 has the following feature:

"Added Hunt / Fish outlook page and Sun / Moon outlook page"

Will this be added to the US version too? (my unit has the US version). If not, is there any way to convert my US version (eTrex - Bravo 6) to a european version?

2) Will there be a version with 1 pixel-thick track lines?

3) If the eTrex could accept $GPWPL input when NMEA is used whould be realy great!

I hope you can answer my questions,

Kind regards,

Henk.

P.S. I think the eTrex is fantastic, I use it with APRS on HAM-radio. It
works great (but you already knew this I guess...).

```
---
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```

301. [aprssig] CAUTION MSG from Allen Lee @ pi.be has a virus

From: "Don" <kyham@alltel.net>
Date: Wed, 13 Nov 2002 16:24:38 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-106863-2002.11.13-16.06.48--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

```
Just a caution   Virus indicated and msg size > 65k

Open at your own risk


Don            K9SOA   (EM77EX)
HF-2m-70cm-APRS
www.k9soa.net

Home of JEANNIE
The House That Listens
As seen on HGTV's Dream Builder Show
and the Featured Home of the Month
Home Automation magazine
March 2002 issue




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```

302. [aprssig] Re: WIDEn-n & TRACEn-n question

From: "Don" <kyham@alltel.net>
Date: Wed, 13 Nov 2002 16:35:35 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-106864-2002.11.13-16.17.46--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

```
That is why I would prefer to see the entire path.  Ends up shorter.  More
helpful as well.


Don            K9SOA   (EM77EX)
HF-2m-70cm-APRS
www.k9soa.net

Home of JEANNIE
The House That Listens
As seen on HGTV's Dream Builder Show
and the Featured Home of the Month
Home Automation magazine
March 2002 issue


----- Original Message -----
From: Bob Bruninga <bruninga@usna.edu>
To: Don <kyham@alltel.net>
Cc: TAPR APRS Special Interest Group <aprssig@lists.tapr.org>
Sent: Wednesday, November 13, 2002 3:35 PM
Subject: Re: [aprssig] Re: WIDEn-n & TRACEn-n question


> On Wed, 13 Nov 2002, Don wrote:
>
> > I would much rather see the path than 'WinAPRS 2.5'.  Path is more
valuable.
>
> What amazes me is the number of WinAPRS stations that include the version
```

> number 3 times in every position packet!
>
> In the TOCALL APW251
> In the text   WinAPRS 2.5.1
> And on the end <251>
>
> all in the same packet. Seems quite wasteful of bandwidth...
>
>

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303. [aprssig] Re: WIDEn-n & TRACEn-n question

From: "Patrick Karp" <pkarp@conwaycorp.net>
Date: Wed, 13 Nov 2002 15:52:28 -0600
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-106867-2002.11.13-16.36.12--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

```
APW251,XXXXX*,WIDE7-6WinAPRS 2.5.1<251>     36
APRS,XXXXXX,XXXXXX,XXXXXX,XXXXXX,XXXXXX,XXXXXX,Trace7-1      54
```

That depends on the SSID ;-)   Yes you are correct it has more
usefulness.

----- Original Message -----
From: "Don" <kyham@alltel.net>
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Sent: Wednesday, November 13, 2002 3:35 PM
Subject: [aprssig] Re: WIDEn-n & TRACEn-n question

> That is why I would prefer to see the entire path. Ends up shorter.
More
> helpful as well.
>
>
> Don   K9SOA   (EM77EX)
> HF-2m-70cm-APRS
> www.k9soa.net
>
> Home of JEANNIE
> The House That Listens
> As seen on HGTV's Dream Builder Show
> and the Featured Home of the Month
> Home Automation magazine
> March 2002 issue
>
>
> ----- Original Message -----
> From: Bob Bruninga <bruninga@usna.edu>
> To: Don <kyham@alltel.net>
> Cc: TAPR APRS Special Interest Group <aprssig@lists.tapr.org>
> Sent: Wednesday, November 13, 2002 3:35 PM
> Subject: Re: [aprssig] Re: WIDEn-n & TRACEn-n question
>
>
> > On Wed, 13 Nov 2002, Don wrote:
> >
> > > I would much rather see the path than 'WinAPRS 2.5'. Path is
more
> valuable.
> >
> > What amazes me is the number of WinAPRS stations that include the
version
> > number 3 times in every position packet!
> >
> > In the TOCALL APW251
> > In the text   WinAPRS 2.5.1
> > And on the end <251>
> >
> > all in the same packet. Seems quite wasteful of bandwidth...
> >
> >

```
>
>
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---

304. [aprssig] Re: WIDEn-n & TRACEn-n question

From: Boyd Prestwood K5YKG <k5ykg@arrl.net>
Date: Wed, 13 Nov 2002 17:50:08 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-106869-2002.11.13-17.34.52--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

```
Unfortunately,only the TEXT is user-configurable... the TOCALL and the "end" are hardcoded.
73 de Boyd Prestwood  K5YKG


----- Original Message -----
From: Bob Bruninga
To: TAPR APRS Special Interest Group
Cc: TAPR APRS Special Interest Group
Sent: Wednesday, November 13, 2002 15:35 PM
Subject: [aprssig] Re: WIDEn-n & TRACEn-n question


On Wed, 13 Nov 2002, Don wrote:

> I would much rather see the path than 'WinAPRS 2.5'.  Path is more valuable.

Then Bob wrote:

What amazes me is the number of WinAPRS stations that include the version
number 3 times in every position packet!

In the TOCALL  APW251
In the text    WinAPRS 2.5.1
And on the end <251>

all in the same packet.  Seems quite wasteful of bandwidth...
```

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---

305. [aprssig] Re: proposal for APRS digi cluster, please comment

From: "Ben Stienstra" <bennys@xs4all.nl>
Date: Thu, 14 Nov 2002 00:34:58 +0100
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-106871-2002.11.13-18.18.38--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

```
Hi Bob,
Thanks for your explanation, it gives me a better idea how APRS is ment to
work. What i understand is that a packet needs to be duplicated several
times to get a reliable system. But in what area, should a packet be
duplicated within 10km or 50km? It seems useless to me to digipeat a packet
that is already digipeated by a system within a 10km radius. One might think
```

of a intelligent system that finds out how close the nearest digipeaters are
(position beacon) and if that system is within 10km distance drop the
packets and if it further away digipeat the packets.

Maybe the real question is, what area do you want to cover with the system?
Do you want to cover 150km's radius with a wide3-3, or do you want to have a
very reliable system that covers only 50km with wide3-3?

kind regards,
Ben PD2BS

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---

306. [aprssig] UI-View & the National Weather Service (US)

From: "Phil Pacier, AD6NH" <ad6nh@arrl.net>
Date: Wed, 13 Nov 2002 18:18:59
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-106876-2002.11.13-19.02.52--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

I just got back from the National Weather Service office in San Diego, CA, where I am the coordinator of Skywarn operations. I had just finished installing UI-View at the Skywarn desk when the IT guy asked me to demo the software for him. To make a long story short, by the time I left the office, UI-View had been installed at 4 other terminals in the office so the forecasters could get immediate weather information. Using UI-View's internal server, and setting the 4 aux terminals up as read-only stations, a mirror image of weather data from the main UI-View station (WX6SGX) is now available for use. The setup was very easy - it took more time to make some custom maps than it did to install the software! If any NWS or Skywarn personnel out there would like more information on how to make UI-View useful to the forecasters and not just the radio operators, don't hesitate to email me at ad6nh@arrl.net. I'd be more than happy to help! And thanks Roger for continuing to support a great program. 73s

Phillip Pacier - AD6NH
www.aprsca.net

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---

307. [aprssig] homeseer script for aprs

From: "Wes Johnston" <wes@johnston.net>
Date: Wed, 13 Nov 2002 19:36:42 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-106879-2002.11.13-19.21.05--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Any of you running Homeseer software may be interested. Since it has voice recognition, you can ask it a question which in turn runs a script. This script pulls the text portion of a findu web page and speaks parts of it. Makes me wonder about hooking this up to a 2m rig tuned to the output of your local repeater. Imagine... come on the air, say "computer, where is k d 4 r d b dash 1 4." A few seconds later, the answer comes over the repeater... kd4rdb is 38 miles west of columbia south carolina, last heard 2 hours ago.

I want to add a few things like local waypoints that supercede findu's city distances, but how's this....

Wes

```
' get and speak a station's position from www.findu.com
'
' enter your callsign and ssid here

dim callsign
callsign = "kd4rdb-14"

sub main()

 dim position
 dim i
 position = hs.GetURL("www.findu.com","/cgi-bin/find.cgi?"+callsign,1,80)
 position = lcase(position)
 position = right(position,len(position)-instr(1,position,"position")+1)
 position = left(position,instr(1,position,"raw packet")-1)
 fixtxt position
        hs.speak position

end sub

sub fixtxt(txt)
 ' convert all carriage-return-linefeed pairs to ", " so it speaks properly
 do
  i = instr(1,txt,vbcrlf)
  if i = 0 then exit do
  txt = replace(txt,vbcrlf,", ")
 loop

' some text to speech engines don't allow custom pronunciation, so we have
to cover state
' abbrev's
 do
  i=instr(1,txt,"sc")
  if i=0 then exit do
  txt = replace(txt,"sc","south carolina.")
 loop
 do
  i=instr(1,txt,"nc")
  if i=0 then exit do
  txt = replace(txt,"nc","north carolina.")
 loop
 do
  i=instr(1,txt,"va")
  if i=0 then exit do
  txt = replace(txt,"va","virginia.")
 loop
 do
  i=instr(1,txt,"kd4rdb-14")
  if i=0 then exit do
  txt = replace(txt,"kd4rdb-14","Wesses van")
 loop
 do
  i=instr(1,txt,"kd4tqz-14")
  if i=0 then exit do
  txt = replace(txt,"kd4tqz-14","Lee's truck")
 loop


end sub
```

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308. [aprssig] RE: question

From: bherrman@spro.net
Date: Wed, 13 Nov 2002 17:38:24 -0700
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-106880-2002.11.13-19.22.21--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

> Remember too, that we do NOT WANT TO SEE mobile Kenwoods with UIFLOOD
> enabled! This would be disaasterous to the network, unless the
> D700 is
> actually on a mountain top serving intentionally as a WWIDEn-N digi.

LOL that's why I know it supports it even though I don't have one. We used one as a Wide for a special event last spring and I researched it to make sure I could assist that station if he needed help. He was actually in the bottom of a canyon and we had to relay voice messages to him if needed. We had another temporary digi on a peak he could hit.

Bill

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---

309. [aprssig] APRS on a GARMIN 176

From: "Andrew Rich" <andrew.rich@bigpond.com>
Date: Thu, 14 Nov 2002 10:49:34 +1000
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-106882-2002.11.13-19.33.50--lyris.aprssig#tapr.org@lists.tapr.org>
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updated closeup

www.tech-software.net

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310. [aprssig] Re: proposal for APRS digi cluster, please comment

From: Bob Bruninga <bruninga@usna.edu>
Date: Wed, 13 Nov 2002 22:08:36 -0500 (EST)
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: TAPR APRS Special Interest Group <aprssig@lists.tapr.org>
Message-ID: <LYR842-106888-2002.11.13-21.52.37--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

On Thu, 14 Nov 2002, Ben Stienstra wrote:

> times to get a reliable system. But in what area, should a packet be
> duplicated within 10km or 50km? It seems useless to me to digipeat a packet
> that is already digipeated by a system within a 10km radius.

Just because you hear a packet or a single digi hears a packet, there is
no asurance at all that any other digi heard that packet. Usually a digi
digipeats a packet and has 3 surrounding digis for further propogation of
that packet. But just becuase the digi digipeated it, there is NO
ASSURANCE that the other 3 got it. Maybe one did, but the other two did
not due to collisions in their area. Thus, if you filter out all but one
copy of a packet, you can guarantee that the packet is not going to make
it out the desired number of hops the sender intended in all directions.

It can be proven mathematically over and over, that in a lossy network
like APRS (where any colision kills a packet) that you MUST have dupes if
you want delivery reliability.

Yes, we shoud strive to eliminate multiple dupes, but any attempt at
eliminateing all or even most dupes is also degrading the reliability of
the network. There are many things that need to be worked on in APRS,
eliminating dupes is not an important one in my opinion. Other than
proper traiing of users in to proper path selection...

> of a intelligent system that finds out how close the nearest digipeaters are
> (position beacon) and if that system is within 10km distance drop the
> packets and if it further away digipeat the packets.

No way. That killls delivery reliability. somewhere, someone is always
going to have a collision. You cannot throw out dupes without
eliminating someon's chance of hearing the packet.

> Maybe the real question is, what area do you want to cover with the system?
> Do you want to cover 150km's radius with a wide3-3, or do you want to have a
> very reliable system that covers only 50km with wide3-3?

Tune your system to match your "local" network needs. In some areas with
few users, the local net can be thousands of square miles. In other
areas, it can only be 10's of miles. But this is easy. The area can be
NO LARGER than what can be handled at 1200 baud. This is easy to
calculate.... See below...

Any more than that, and the system falls apart as far as reliability is
concerned. Sure you can see HUNDREDS of people, but you cannot comunicate
RELIABLY under stress. That is what APRS was designed to do...

Lets do it... OK, here are some numbers:

```
 5 mobiles at 1 min rate          5 per min
```

6 mobiles at 2 min rate	3 per min
5 WX stations at 5 min rate	1 per min
3 local digis at 10 min rate	.3 per min
10 area digis at 20 min rate	.5 per min
30 regional digis at 30 min rate	1 per min
30 Homes Status at 30 min rate	1 per min
Homes Posits at 30 min rate	1 per min
3 msgs at 1 min rate	3 per min
total is	16 per min
digipeated once	32 per min
Channel capacity	50%

And APRS is not reliable above the ALOHA rate of 20% or so of channel capacity so you see that a 1200 baud channel in this case may just barely work with a lot of lost packets for only about 50 users using only ONE HOP.

Now let there be 3 hops and you can only have about 15 people in that area able to use APRS reliably... So it is easy to see how APRS in areas with everyone doing 3 hops is UNRELIABLE! and there is NOTHING you can do to improve this other than telling everyone to reduce the number of hops and plan on having a smaller community network.

We see all the time, crazy ideas about filtering, where people want to see hundreds of statiosn all over 1000's of miles... but DUH, it cannot be done RELIABLY. Sure, the map will appear to have LOTS of people on it, but MOST PAKCETS dont get through, you cannot communicate, in real time, and tactical use of APRS in that situatino is impossible...

Sure it LOOKS nice. But APRS is not about pretty maps full of ICONS all over the state and region! It is about COMMUNICATING RELIABLY LOCALLY!

Draw a circle around your 50 nearest users and get them to all use only 1 HOP and that is your APRS local network...

Good luck!

de WB4APR@amsat.org, Bob

PCsat WEB page http://www.ew.usna.edu/~bruninga/pcsat.html
ISS-APRS FAQ: http://www.ew.usna.edu/~bruninga/iss-faq.html
CUBESAT Designs http://www.ew.usna.edu/~bruninga/cubesat.html
APRS LIVE pages http://www.ew.usna.edu/~bruninga/aprs.html
APRS SATELLITES http://www.ew.usna.edu/~bruninga/astars.html
MIM/Mic-E/Mic-Lite http://www.toad.net/~wclement/bruninga/mic-lite.html

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311. [aprssig] APRS network MISSUNDERSTANDINGS

From: Bob Bruninga <bruninga@usna.edu>
Date: Wed, 13 Nov 2002 22:18:43 -0500 (EST)
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-106889-2002.11.13-22.02.38--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

In case some of you missed it, here is a short note on APRS expectations: In a nutshell, if you are seeing more than a few dozen active (30 to 60 or so) stations on your map then you are NOT seeing everything in your area. Because you are seeing TOO MUCH that is colliding with local probably mnore valuable info..

Remember, APRS is for RELIABLE tactical real-time communications. at 1200 baud, this equates to an EASY TO CALCULATE number for whatever you plan on doing with APRS in your area... But it is a LOT SMALLER than what most people think...

OK, here are some numbers for routine operations:

5 mobiles at 1 min rate	5 per min
6 mobiles at 2 min rate	3 per min
5 WX stations at 5 min rate	1 per min
3 local digis at 10 min rate	.3 per min
10 area digis at 20 min rate	.5 per min
30 regional digis at 30 min rate	1 per min
30 Homes Status at 30 min rate	1 per min

Homes Posits at 30 min rate	1 per min
3 msgs at 1 min rate	3 per min
total is	16 per min
digipeated once (ONE HOP GUYS!)	32 per min
Channel capacity	50%

And APRS is not reliable above the ALOHA rate of 20% or so of channel capacity so you see that a 1200 baud channel in this case may just barely work with a lot of lost packets for only about 50 users using only ONE HOP.

Now let there be 3 hops and you can only have about 15 people in that area able to use APRS reliably... So it is easy to see how APRS in areas with everyone doing 3 hops is UNRELIABLE! and there is NOTHING you can do to improve this other than telling everyone to reduce the number of hops and plan on having a smaller community network.

We see all the time, crazy ideas about filtering, where people want to see hundreds of statiosn all over 1000's of miles... but DUH, it cannot be done RELIABLY. Sure, the map will appear to have LOTS of people on it, but MOST PAKCETS dont get through, you cannot communicate, in real time, and tactical use of APRS in that situation is impossible...

Sure it LOOKS nice. But APRS is not about pretty maps full of ICONS all over the state and region! It is about COMMUNICATING RELIABLY LOCALLY!

Draw a circle around your 30 nearest users and get them to all use only 1 HOP and that is your RELIABLE APRS local network...

Good luck!

de WB4APR@amsat.org, Bob

PCsat WEB page	http://www.ew.usna.edu/~bruninga/pcsat.html
ISS-APRS FAQ:	http://www.ew.usna.edu/~bruninga/iss-faq.html
CUBESAT Designs	http://www.ew.usna.edu/~bruninga/cubesat.html
APRS LIVE pages	http://www.ew.usna.edu/~bruninga/aprs.html
APRS SATELLITES	http://www.ew.usna.edu/~bruninga/astars.html
MIM/Mic-E/Mic-Lite	http://www.toad.net/~wclement/bruninga/mic-lite.html

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312. [aprssig] APRS network MISSUNDERSTANDINGS (part 2)

From: Bob Bruninga <bruninga@usna.edu>
Date: Wed, 13 Nov 2002 22:30:36 -0500 (EST)
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-106891-2002.11.13-22.14.29--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

How many mobiles and stations can APRS handle at a special LOCAL event? Here is an example special event with lots of mobiles and messages:

6 mobiles at 1 min rate	6 per min
6 mobiles at 2 min rate	3 per min
1 WX stations at 5 min rate	.2 per min
3 local digis at 10 min rate	.3 per min
10 EVENT Stations at 10 min rate	1 per min
EVENT Posits at 10 min rate	1 per min
5 msgs at 1 min rate	5 per min
5 ACKS at 1 min rate	5 per min
total is	22 per min
digipeated once	44 per min
Channel capacity	75%

So MOST of these packets will not be reliably seen by everyone in the event because the number of packets is WAY over the ALOHA optimum of about 20% channel capacity. Thus most will be involved in collisions. Yes someone will see most of them some of the time, but it is NOT A RELIABLE NETEWORK!

And NOTE that this is on a LOCAL (not 144.39) frequency with only ONE
digipeater and NO OUT OF AREA PACKETS...

I think too many people ignore these simple basics. If you want to see
more than a few dozen stations, then you should watch the INTERNET feed,
dont expect it on RF, or you will have an UNRELIABLE network that cannot
be used when you need it... for real time reliable comunications.

Sure it LOOKS nice. But APRS is not about pretty maps full of ICONS all
over the state and region! It is about COMMUNICATING RELIABLY LOCALLY!

Draw a circle around your 50 nearest users and get them to all use
only 1 HOP and that is your APRS local network... now, DO SOMETHING WITH
IT... not just pretty maps collecting ICONS...

Good luck!

de WB4APR@amsat.org, Bob

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313. [aprssig] Appalachain Trail APRS

From: Bob Bruninga <bruninga@usna.edu>
Date: Wed, 13 Nov 2002 22:39:33 -0500 (EST)
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-106892-2002.11.13-22.23.27--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

If anyone has detail knowledge and is interested in the use of APRS along
the Appalachian trail, and wants to contribute some effort, let me know...
Thanks

de WB4APR@amsat.org, Bob

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314. [aprssig] California Hospitals Emergency Drill

From: "W1SAR" <w1sar@searcher.org>
Date: Thu, 14 Nov 2002 00:44:19 -0800
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-106927-2002.11.14-03.28.13--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

There is a statewide emergency drill for California Hospitals and other
health providers, commencing around 08:00 local time today.

I haven't seen it mentioned here, but this is just an advise that there may
be some APRS traffic relating to this drill.

Drew Witham W1SAR
Shasta County Emergency Coordinator
ARES / RACES / CDF-VIP

http://www.scares.org

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315. [aprssig] Re: proposal for APRS digi cluster, please comment

From: <henk.de.groot@hetnet.nl>
Date: Thu, 14 Nov 2002 10:55:36 +0100
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-106931-2002.11.14-04.37.21--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

From: "Bob Bruninga" <bruninga@usna.edu>
> Yes, we shoud strive to eliminate multiple dupes, but any attempt at
> eliminateing all or even most dupes is also degrading the reliability of
> the network. There are many things that need to be worked on in APRS,
> eliminating dupes is not an important one in my opinion. Other than
> proper traiing of users in to proper path selection...

If the digi receives a duplicate then at least one of it surrounding digis actually saw the packet. If your digi saw it come back then its likely that other digis saw it too. I think the most interesting case is when you do NOT see a duplicate, that's when a retransmission is needed more urgent!

So if redundant transmissions are important then you should not do it only when it is needed the least but make sure it is done when its needed the most. In fact this implies that you should always do it!

That can be done in a much more controlled way, not relying on a flaky duplicate reception, a digi could SEND each packet it receives twice with a short interval. That will also help if all the surrounding digis missed the packet. This also doesn't eat two hops as is the case when the packet is looped back (one hop for the digi that digipeated the packet back to you and the hop your digi eats for the retransmission)

This way the network can ensure that there are redundant transmissions and does not rely on an unrelieable duplicate reception.

If you want to experiment with this it can be done today with DIGI_NED. If you have rules like:

```
digipeat: 1 WIDE 1
```

then just name the destination port (the second name) twice:

```
digipeat: 1 WIDE 1,1
```

Then all packets received on port 1 where the next digi is WIDE will be transmitted via port 1 twice! If you adjust all the rules in the rulefile accordingly then you can experiment with this setup.

One word of caution, redudant transmissions increase reliability but also increase the channel load. So the area gets smaller and the users shall use less hops. In return communication in the area will be more reliable. This is the tradeoff of this scheme, but is in fact valid for allowing redundant transmission in general, the more redundancy you add, the more reliable it gets but also the smaller the area you are able to cover.

Fundamental question: what area do you want to cover how reliable to you want it too be. Also the settings the users use play a big role and the quality of the equipment (how much packets are lost which could have been detected).

Other ways of redundancy are to use multiple displaced recievers in a digi so when one reciever misses it the other may receive it. That will not increase the channel load, but will increase the cost of the digi...

APRS is one big tradeoff of pro and cons, you can't have it all at the same time.

Kind regards,

Henk.

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316. [aprssig] Re: WIDEn-n & TRACEn-n question

From: <henk.de.groot@hetnet.nl>
Date: Thu, 14 Nov 2002 11:06:48 +0100
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-106932-2002.11.14-04.48.34--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

From: "Patrick Karp" <pkarp@conwaycorp.net>
> APW251,XXXXX*,WIDE7-6WinAPRS 2.5.1<251>   36
> APRS,XXXXXX,XXXXXX,XXXXXX,XXXXXX,XXXXXX,XXXXXX,Trace7-1   54
>
> That depends on the SSID ;-)   Yes you are correct it has more
> usefulness.

No, you confuse TAPR monitor output with the AX.25 packet format. Every call in the header is exactly 7 bytes, regardless SSID. Even a short digi name like "B" takes exactly the same space in the AX.25 packet as "PA0ABC-15". Only your monitor string is shorter, but I don't think that's an issue.

Kind regards,

Henk.

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317. [aprssig] Re: 3rd party loop filtering. not preferred

From: Steve Dimse <k4hg@tapr.org>
Date: Thu, 14 Nov 2002 10:32:15 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: TAPR APRS Special Interest Group <aprssig@lists.tapr.org>
Message-ID: <LYR842-106956-2002.11.14-10.16.21--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

On 11/13/02 at 2:06 PM bruninga@usna.edu (Bob Bruninga) sent:

>Now that we have other mechanisms to identify packets that have traversed
>the APRS-IS, I favor moving away from this 3rd party loop-filter cruch.
>Filtering based on TCPIP has always been a good method. Now filtering on
>the Qas construct (or whatever it currently is) is another...
>

Be very cautious in implementing this, as the vast majority of IGates in deployment have no knowledge of the q construct.

Steve K4HG

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318. [aprssig] Re: proposal for APRS digi cluster, please comment

From: "Chris van Gorp" <pd0rhm@amsat.org>
Date: Thu, 14 Nov 2002 11:9:29
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-106971-2002.11.14-11.53.22--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

All,

Thanks for the comments,

It is nice to observe that opinions differ:

Were the proposal is to prevent duplicates and so prevent collissions, it was commented that duplications add to the reliability.
('what is 'reliable' for one ...')

TMHO the word reliable is not proper for a connectionless network protocol.

On the other hand this discussion resulted in some good suggestions.

If any of this results in a pratical solution, or other proposal, it will be communicated at this SIG.

Again thanks.

73 Chris PD0RHM

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---

319. [aprssig] Re: proposal for APRS digi cluster, please comment

From: Alex <kr1st@amsat.org>
Date: Thu, 14 Nov 2002 13:07:18 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-106977-2002.11.14-12.49.30--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Chris van Gorp wrote:

> Were the proposal is to prevent duplicates and so prevent collissions, it
> was commented that duplications add to the reliability.

<snip>

> TMHO the word reliable is not proper for a connectionless network
> protocol.

That's why it was said "_add_ to the reliability", without indicating
any degree of reliability or even implying that delivery of packets
could (and should) be guaranteed.

Let's stop stating the obvious.

73,
--Alex KR1ST

http://www.kr1st.com

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---

320. [aprssig] RE: APRS network MISSUNDERSTANDINGS (part 2)

From: Bob Bruninga <bruninga@usna.edu>
Date: Thu, 14 Nov 2002 19:58:04 -0500 (EST)
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-107002-2002.11.14-19.42.09--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

On Wed, 13 Nov 2002, Ken Cechura wrote:

> But what is the ALOHA limit?

It is 18%. for pure ALOHA, and I think 36% for carrier sense multiple
access, but that is only if every station can hear each other (which does
not exist on APRS)... But these statistics are for some measure of
success in an ACKED system with retries. When the channel loading gets
above the magic number, the throughput rapidly goes to near zero as
everyone is sending retries and nothing new is getting through.

Notice the key word "retries". So since APRS does not ACK or "retry" that
is why there MUST be dupes built into the system to sort of "pre-retry"
to have any measure of success in the case of colisions...

Bob

```
> > -----Original Message-----
> Subject: [aprssig] APRS network MISSUNDERSTANDINGS (part 2)
>
> How many mobiles and stations can APRS handle at a special LOCAL event?
> Here is an example special event with lots of mobiles and messages:
>
>  6 mobiles at 1 min rate          6 per min
>  6 mobiles at 2 min rate          3 per min
>  1 WX stations at 5 min rate     .2 per min
>  3 local digis at 10 min rate    .3 per min
> 10 EVENT Stations at 10 min rate  1 per min
>    EVENT Posits at 10 min rate    1 per min
>  5 msgs  at  1 min rate           5 per min
>  5 ACKS  at  1 min rate           5 per min
> total is                        22 per min
```

> digipeated once   44 per min
> Channel capacity   75%
>
> So MOST of these packets will not be reliably seen by everyone in the
> event because the number of packets is WAY over the ALOHA optimum of
> about 20% channel capacity. Thus most will be involved in collisions.
> Yes someone will see most of them some of the time, but it is NOT A
> RELIABLE NETEWORK!
>
> And NOTE that this is on a LOCAL (not 144.39) frequency with only ONE
> digipeater and NO OUT OF AREA PACKETS...
>
> I think too many people ignore these simple basics. If you want to see
> more than a few dozen stations, then you should watch the INTERNET feed,
> dont expect it on RF, or you will have an UNRELIABLE network that cannot
> be used when you need it... for real time reliable comunications.
>
> Sure it LOOKS nice. But APRS is not about pretty maps full of ICONS all
> over the state and region! It is about COMMUNICATING RELIABLY LOCALLY!
>
> Draw a circle around your 50 nearest users and get them to all use only
> 1 HOP and that is your APRS local network... now, DO SOMETHING WITH
> IT... not just pretty maps collecting ICONS...
>
> Good luck!
> de WB4APR@amsat.org, Bob

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321. [aprssig] Timex GPS

From: "Mark Fellhauer" <sparkfel@qwest.net>
Date: Thu, 14 Nov 2002 22:46:15 -0600
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-107047-2002.11.14-23.30.27--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Has anyone figured out the trasmission method the Timex GPS armband uses?

It sure looks like the Emtac Bluetooth GPS...

Mark
KC7BXS

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322. [aprssig] Re: [Bob Bruninga] Re: proposal for APRS digi cluster, please comment

From: "Gregg G. Wonderly" <gregg@skymaster.cytetech.com>
Date: Fri, 15 Nov 2002 00:59:13 -0600
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: TAPR APRS Special Interest Group <aprssig@lists.tapr.org>
Message-ID: <LYR842-107067-2002.11.15-01.43.25--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

>Just because you hear a packet or a single digi hears a packet, there is
>no asurance at all that any other digi heard that packet. Usually a digi
>digipeats a packet and has 3 surrounding digis for further propogation of
>that packet. But just becuase the digi digipeated it, there is NO
>ASSURANCE that the other 3 got it.

If the atmosphere was a constant, there was no such thing as multipath, and there was no interference from other RF sources, and each non-digi APRS station operated with exactly the same power, then the system would be very much like the description that you so often share with us. But we all know that this is not true, and thus the dupes have to be in place so that when a high power station comes through with 50 watts, or a paging transmitter malfunctions and starts screaming out IM that we can still rely on the system to work about 80% of the time.

-----

gregg@cytetech.com (Cyte Technologies Inc)

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323. [aprssig] Re: Timex GPS

From: "Mike Yetsko" <myetsko@insydesw.com>
Date: Fri, 15 Nov 2002 07:36:41 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-107079-2002.11.15-07.21.20--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

On another note...

PSIA (Professional Ski Instructors of America) is selling a new watch.
One of series of watches that does barometric pressure to calculate
vertical drop.

I saw in the blurb it also calculates speed. I wonder if it's doing
anything
with GPS? I'll have to look into it. If nothing else, it communicates
with
a PC and it might be a neat way (although probably pricey) to get pressure
for weather info.

Mike

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324. [aprssig] Re: proposal for APRS digi cluster, please comment

From: "Kenneth D. Brown" <W2KB@compuserve.com>
Date: Fri, 15 Nov 2002 10:46:52 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-107094-2002.11.15-10.31.06--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

I live in a hilly section of western New Jersey where the hills top out at
about 1,000 feet msl and the valleys from 200 to about 400 feet msl.
Although there are a number of well-placed digis fairly close to each other
in NW and West central NJ, most of the time when mobile I can hear at most
one, and not even consistently one at data quality for the D700, because of
the terrain. The digis, however, all hear each other. Under the proposal,
I would hear at most 20 percent of what I hear now since only one digi
would send each packet which means that the D700 would receive virtually
no packets, even in my very active on APRS area. I don't believe that the
proposal would succeed in an area such as mine.

73,

---Ken W2KB@ARRL.net
>But we all know that this is not true, and thus the dupes have to be in
place so that when a high power station comes through with 50 watts, or a
paging transmitter malfunctions and starts screaming out IM that we can
still rely on the system to work about 80% of the time.<

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325. [aprssig] Deluo GPS

From: Mike Musick <mikemusick@earthlink.net>
Date: Fri, 15 Nov 2002 13:44:43 -0600
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-107191-2002.11.15-14.29.28--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

With a tip of the hat to Allan Sadowski, AH6LS, I purchased a Deluo
GPS. It arrived yesterday and has already been tested, and taken
apart and reassembled two or three times.

I like this GPS, and as part of a larger GPS project have put
together a web page with a small review and technical details about
it. If you're interested in details of a cheap but still good GPS,
take a look at:

   http://www.pocketaprs.com/gps.html

This page is incomplete, but the Deluo information is largely there
and should be a passable reference for it in the interim.

   ...mike/N0QBF

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326. [aprssig] RE: APRS network MISSUNDERSTANDINGS (part 2)

From: Henk de Groot <henk.de.groot@hetnet.nl>
Date: Fri, 15 Nov 2002 21:20:34 +0100
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-107195-2002.11.15-15.05.24--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

At 19:58 14-11-02 -0500, Bob Bruninga wrote:
>It is 18%. for pure ALOHA, and I think 36% for carrier sense multiple
>access, but that is only if every station can hear each other (which does
>not exist on APRS)... But these statistics are for some measure of

For more information read Andrew Tanenbaum's book "Computer Networks"
published by Prentice Hall Publishers. It has a whole section about packet
radio, starting from pure Aloha and adding features to increase the channel
capacity.

>Notice the key word "retries". So since APRS does not ACK or "retry" that
>is why there MUST be dupes built into the system to sort of "pre-retry"
>to have any measure of success in the case of colisions...

I think you don't want dupes, what you want are redundant transmissions.
Instead of relying on the dupe artifact I think its much better to have
retransmissions designed in. You designed them in for messages using a
decay algorithm. For other types of packet you could make the digi send the
packet twice with a short interval.

As noted before, if you don't recieve a dupe then that means that a
retransmission is needed more then when you receive one. So I think looping
duplicate packets is not the answer to more reliability.

In your example with 3 surounding digis and only 1 that receives it, then
most likely some of the others will still get the packet via a another:

```
(simple grid, use fixed space font!)
                   D3
                  /  \
                 /    \
                /      \
               /        \
D2--------- D1         D6
   \           \        /
    \           \      /
     \           \    /
      \           \  /
      D5 --------- D4
```

Scenario 1, Digis with tight dupe checking
- D1 sends a packet
- D2 and D3 miss it, D4 hears is
- D4 sends the packet
- D1 hears a Dupe, D5 and D6 hear the packet for the first time
- D1 doesn't transmit due to dupe checking
- D5 and D6 send the packet
- D2 and D3 heard the packet - via 2 hops
- D2 and D3 heard the packet - via 2 hops, D4 heard a dupe

Scenario 2, Digis allowing one dupe

- D1 sends a packet
- D2 and D3 miss it, D4 hears is
- D4 sends the packet
- D1 hears a Dupe, D5 and D6 hears the packet for the first time
- D1, D5 and D6 send the packet
- D2 and D3 heard the packet - via 2 hops, D4 heard a dupe
- D2, D3 and D4 send the packet

Note also that it is likely that either D2 or D3 was actually the digi that send the packet to D1 in the first place!

So this has the same result. But what happens if all surrounding digis mis the packet.

Scenario 3, all digis arround D1 missed the packet:
- D1 sends a packet
- D2, D3 and D4 miss it

Now its done! D1 doesn't hear a dupe so doesn't retransmit. So when D1 does not hear a dupe, THEN it should retransmit. I think the HamHud guys understood this!

Both scenario's again, but now with a digi that sends each packet twice:

Scenario 4, like scenario 1 with double transmission
- D1 sends a packet
- D2 and D3 miss it, D4 hears is
- D1 sends second packet (D4 waits for D1 due to DCD)
- D2, D3 and D4 hear the packet without loss off hops
- D2, D3 and D4 send the packet also twice
- D1 hears the Dupes, D5 and D6 hear the packet for the first time
- D1 doesn't transmit due to dupe checking
- D5 and D6 send the packet
- D2 and D3 heard the dupe packet and throw it away

Scenario 4, like scenario 1 with double transmission
- D1 sends a packet
- D2 and D3 miss it, D4 hears is
- D1 sends second packet (D4 waits for D1 due to DCD)
- D2, D3 and D4 hear the packet without loss off hops
- D2, D3 and D4 send the packet also twice
- D1 hears the Dupes, D5 and D6 hear the packet for the first time
- D1 doesn't transmit due to dupe checking
- D5 and D6 send the packet
- D2 and D3 heard the dupe packet and throw it away

Scenario 5, like scenario 3 (compelte loss) with double transmission
- D1 sends a packet
- D2, D3 and D4 miss it
- D1 sends a packet again
- D2, D3 and D4 got it
- D2, D3 and D4 send the packet

This is the difference. Redundancy by design and not by accident. It saved the packet in scenario 5 and saved 2 hops in scenario 4.

All these redundancy scenario's produce more data, so in all cases the coverage area will be smaller. Note also that when every digi receives everything a double transmission creates just as many packets as allowing one dupe - except that dupes die faster as they have used up 2 hops in their retransmission. Not also that allowing dupes more easily screws up the order of packets.

If there are enough nodes in the network strict dupe checking still creates a reliable network - in that case there are enough redunant alternative paths like in the example above D5 and D6 which fed back the packets from D4 to D2 and D3 without the need to use D1.

Kind regards,

Henk.

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327. [aprssig] Re: proposal for APRS digi cluster, please comment

From: Bob Bruninga <bruninga@usna.edu>
Date: Fri, 15 Nov 2002 16:22:53 -0500 (EST)
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: TAPR APRS Special Interest Group <aprssig@lists.tapr.org>
Message-ID: <LYR842-107198-2002.11.15-16.11.01--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

```
On Fri, 15 Nov 2002, Kenneth D. Brown wrote:

> Although there are a number of well-placed digis fairly close to each
> other in NW and West central NJ, most of the time when mobile I can hear
> at most one, and not even consistently one...  because of the terrain.
> The digis, however, all hear each other.  Under the proposal [to filter
> dupes], I would hear at most 20 percent of what I hear now since only
> one digi would send each packet which means that... I would receive
> virtually no packets, even in my very active on APRS area.  I don't
> believe that the proposal would succeed in an area such as mine.

Yes, exactly the point, thanks for the comment....  APRS is designed for
mobiles.  Mobiles have on the order of 10 to 30 dB of additional path loss
(remember, it only takes a 1 millisecond mobile flutter to kill a packet)
than a home station.  So the fact that home stations see lots and lots of
dupes from every digi within 50 miles says hardly anything about getting a
packet to a mobile..

Even with perfect dupe elimination, WIDE3-3 will typically generate 21
dupes to someone high enough to hear them.  So dupes that HOME stations
hear should not be used as an excuse to go crippling the network...

Thanks for the comment..
 de WB4APR,
Bob



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328. [aprssig] Kenwood D700 and GPS mapping

From: "Bruce W. Martin, KQ4TV" <aprssig@almostanywhere.com>
Date: Fri, 15 Nov 2002 15:43:47 -0600
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-107202-2002.11.15-16.28.15--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

```
I am looking at getting a Kenwood D700. I recall that there are some
GPS mapping units that will display as waypoints stations that the D700
hears. i did a Google search but could not come up with anything
definitive. i recall seeing something about the GPSMAP 176 being able
to do this. Does anybody have any experience/suggestions in this regard.

Bruce, KQ4TV
--
just a test sig


---
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```

329. [aprssig] RM Streetfinder GPS for Palm III

From: William & Sonnie Schafer <schaferbs@mail.riverview.net>
Date: Fri, 15 Nov 2002 18:23:07 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-107221-2002.11.15-18.16.28--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

```
Mike & All:  I recently bought one of the above off E-bay.  Palm has
discontinued them & they can be bought  in the neighborhood of $30.00.
+S&H.  Go to E-bay & search for Rand GPS Palm III.  73 de KC8DRE Bill


---
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```

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330. [aprssig] Re: Kenwood D700 and GPS mapping

From: "Richard Amirault" <ramirault@erols.com>
Date: Fri, 15 Nov 2002 19:10:01 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-107223-2002.11.15-18.53.20--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

```
Don't know about others .. but my Garmin GPS III (and I suppose the current
III+) does it just fine. I'm not sure what you mean by "...GPS mapping
units.." however.  The III and III+ are GPS's that also have a map database.
There are other units with larger, more visible screens.

Richard Amirault                                N1JDU                Boston,
MA, USA
www.erols.com/ramirault          "Go Fly A Kite"
----- Original Message -----
From: "Bruce W. Martin, KQ4TV" <aprssig@almostanywhere.com>
Subject: [aprssig] Kenwood D700 and GPS mapping


> I am looking at getting a Kenwood D700. I recall that there are some
> GPS mapping units that will display as waypoints stations that the D700
> hears. i did a Google search but could not come up with anything
> definitive. i recall seeing something about the GPSMAP 176 being able
> to do this. Does anybody have any experience/suggestions in this regard.




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```

331. [aprssig] Re: Kenwood D700 and GPS mapping

From: "Jason Rausch" <ke4nyv@msn.com>
Date: Fri, 15 Nov 2002 19:38:15
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-107229-2002.11.15-20.22.20--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

```
Most Garmin units support two-way NMEA.  The $GPWPL string allows for
sending waypoint data to the unit and from it.  I wrote a small program
that runs in windows and will format a string from user input and send the
string to the unit.  I have tested it on my GPS III+, GPS 12 and 38.  I
have no confirmations on eTrex units or units older than the 38, such as
the 45.  What I am getting at is...it is possible to do this.  The last
time I looked into it, the D7 supported this.  I'm sure the D700 would then
also.  This function is really best used with a mapping unit such as the
GPS III+.

If you want to see the program I wrote, go to www.ke4nyv.com and go to my
software section.

73's
Jason KE4NYV
www.ke4nyv.com

---
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```

332. (no subject)

From: (unknown sender)
Date: (date unavailable)
Rendered body type: text/plain

```
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--CFeI8Ky5JR538aG7p5--
```

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333. [aprssig] Re: Kenwood D700 and GPS mapping

From: "Peter \"Dakota\" Summerhawk" <dakotas@dotorg.org>
Date: Fri, 15 Nov 2002 19:21:36 -0700
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-107239-2002.11.15-21.05.46--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

The Handspring GPS also works for the 700 as well. Was playing with one
hooked into the 700 via serial cable and the GPS in the slot for the feed.
You can find the handspring on ebay for a decent price still.

----- Original Message -----
From: "Richard Amirault" <ramirault@erols.com>
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Sent: Friday, November 15, 2002 5:10 PM
Subject: [aprssig] Re: Kenwood D700 and GPS mapping

```
> Don't know about others .. but my Garmin GPS III (and I suppose the
current
> III+) does it just fine. I'm not sure what you mean by "...GPS mapping
> units.." however.  The III and III+ are GPS's that also have a map
database.
> There are other units with larger, more visible screens.
>
> Richard Amirault                                N1JDU
Boston,
> MA, USA
> www.erols.com/ramirault          "Go Fly A Kite"
> ----- Original Message -----
> From: "Bruce W. Martin, KQ4TV" <aprssig@almostanywhere.com>
> Subject: [aprssig] Kenwood D700 and GPS mapping
```

>
>
> > I am looking at getting a Kenwood D700. I recall that there are some
> > GPS mapping units that will display as waypoints stations that the D700
> > hears. i did a Google search but could not come up with anything
> > definitive. i recall seeing something about the GPSMAP 176 being able
> > to do this. Does anybody have any experience/suggestions in this regard.
>
>
>
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334. [aprssig] Re: Kenwood D700 and GPS mapping

From: "Bruce W. Martin, KQ4TV" <aprssig@almostanywhere.com>
Date: Fri, 15 Nov 2002 20:44:39 -0600
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-107241-2002.11.15-21.29.10--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

I have a Garman Streetpilot that has worked well for me but it only has
NMEA out.
I was considering one of the other, larger units like the GPSMAP 162,
168, 176, 182, 188, 2006, 2010, 232 or 238. I am going to put this in
my Dodge RAM truck so the larger size will fit and make it easier for
me to glance at and get sufficient information. The Streetpilot display
is large enough but does not accept NMEA input. the GPS III/III+ is too
small for me. I have a GPS II+ that is fine for Just seeing the data
and if i were using a laptop with APRS or mapping software it works out
fine. The Streetpilot also does not have maidenhead grid display that I
would find usefull when Roving.

Like I said before I recalled someone posting that one of the GPSMAP
units offered good value because of NMEA in/out, works with the D700 to
display positions on the map, and was WAAS enabled. I just can't
remember which unit was mentioned.

Bruce, KQ4TV

On Friday, November 15, 2002, at 06:10 PM, Richard Amirault wrote:

> Don't know about others .. but my Garmin GPS III (and I suppose the
> current
> III+) does it just fine. I'm not sure what you mean by "...GPS mapping
> units.." however. The III and III+ are GPS's that also have a map
> database.
> There are other units with larger, more visible screens.
>
> Richard Amirault   N1JDU
> Boston,
> MA, USA
> www.erols.com/ramirault   "Go Fly A Kite"
> ----- Original Message -----
> From: "Bruce W. Martin, KQ4TV" <aprssig@almostanywhere.com>
> Subject: [aprssig] Kenwood D700 and GPS mapping
>
>
>> I am looking at getting a Kenwood D700. I recall that there are some
>> GPS mapping units that will display as waypoints stations that the
>> D700
>> hears. i did a Google search but could not come up with anything
>> definitive. i recall seeing something about the GPSMAP 176 being able
>> to do this. Does anybody have any experience/suggestions in this
>> regard.
>

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335. [aprssig] Re: [Bob Bruninga] Re: proposal for APRS digi cluster, please comment

From: "Gregg G. Wonderly" <gregg@skymaster.cytetech.com>
Date: Fri, 15 Nov 2002 22:00:36 -0600
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: TAPR APRS Special Interest Group <aprssig@lists.tapr.org>
Message-ID: <LYR842-107244-2002.11.15-22.44.36--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

>Yes, exactly the point, thanks for the comment.... APRS is designed for
>mobiles. Mobiles have on the order of 10 to 30 dB of additional path loss
>(remember, it only takes a 1 millisecond mobile flutter to kill a packet)
>than a home station. So the fact that home stations see lots and lots of
>dupes from every digi within 50 miles says hardly anything about getting a
>packet to a mobile..

Maybe the next revolution in TNCs will include a PSK mode so that we don't have doppler problems at higher baud rates while mobile. I guess many commercial mobile data services already do this...

-----
gregg@cytetech.com (Cyte Technologies Inc)

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336. [aprssig] Re: Kenwood D700 and GPS mapping

From: "Darryl Smith" <Darryl@radio-active.net.au>
Date: Sat, 16 Nov 2002 16:29:15 +1100
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-107272-2002.11.16-00.13.58--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

G'Day

At the moment most Garmins allow it, except for the base model ETREX units. Basically if you are buying a GPS you need to look at it and make sure it has NMEA INPUT.

I recently put information on http://www.radio-active.net.au/web/tracking/antitracker.html that referes to this... Although it does not mention the D700 by name. I am just using the same capability for my anti-tracker.

Compatible GPS recievers include The Garmin GPS12, MAP168, GPSII+, GPSIII, GPSIII+, EMap(updated Software) , Etrex Venture, Legend, and Vista(with updated software), Garmin 45, StreetPilot III(with 2.11 and above software), and the GPS 12xl.

The GARMIN Etrex BASE MODEL WILL NOT WORK Neither will Garmin GPS-V, Garmin Street Pilot (First Version).

But there are reports that the european ETREX base unit will work with the D-700.

Having said all that, Wes Johnston has convinced me to definitely include the ETREX upload code using the GARMIN protocol in my AntiTracker, and I may end up doing a both ways converter that will allow an ETREX to work with the D700 with the updates. I will see how that goes - I don't have an etrex yet... That will arrive Monday I hope.

Darryl

Darryl Smith, VK2TDS POBox 169 Ingleburn NSW 2565 Australia
Mobile Number 0412 929 634 [+61 4 12 929 634 International]
Darryl@radio-active.net.au | www.radio-active.net.au

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337. [aprssig] Re: Deluo GPS

From: WA8LMF2@aol.com
Date: Sat, 16 Nov 2002 00:42:57 EST
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-107273-2002.11.16-00.27.01--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

In a message dated 11/15/2002 11:46:42 AM Pacific Standard Time, mikemusick@earthlink.net writes:

> If you're interested in details of a cheap but still good GPS,
> take a look at:
>
> http://www.pocketaprs.com/gps.html
>
> This page is incomplete, but the Deluo information is largely there
> and should be a passable reference for it in the interim.
>
> ...mike/N0QBF
>

If you would like to add this to your page, here is a review of another Taiwanese GPS unit, the GM-200 which I reviewed on this list about a year ago:

First Impressions -- Holux GM-200 GPS "Mouse"

I just received a Holux GM-200U GPS "mouse". This is a combination GPS antenna and receiver similar to the RandMcNally, Delorme Tripmate or Pharos 180. The unit is available in 3 versions:
1) A serial version with DB-9 (data) and PS/2 (5VDC power) plugs at the end of a 6-foot cable for use with a laptop serial port. Operates on 4.75 to 5.5 VDC

2) A serial version with flying leads (supply your own plug(s)) at the end of a 6-foot cable for operation on 6 - 40 (!) VDC. Obviously intended for direct operation on 12 VDC car power but also would work in a 28 VDC system in a HumVee, truck, etc.

3) A USB version that connects to both data and power through a single USB port.

The unit has a full bi-directional serial interface that can be used to update it's internal flash memory firmware, or force inititiizing coordinates and time into the unit. On the serial versions, a separate diffferential correction input is present (on the DB-9-equipped version, it is pin 9 of the plug).

The device is packaged in a case that looks extremely similar to the Microsoft "ergo-mouse" but slightly smaller. It is available in 4 colors (White, Black, Red or iMac-style translucent "Bondi Blue"). The entire underside of the unit is covered with a rubbery magnetic material similar to refrigerator door gaskets that clings powerfully to automotive sheet metal. Just don't throw this thing into your computer bag with other cables and peripherals! The rubber coating has enough surface tack to keep the GPS from skidding around the top of my plastic dash without Velco (which I have used on my RandMcNally and Pharos units). Overall, the unit has a solid quality feel, with a well strain-reliefed heavier-guage cable that feels much more rugged than the flimsy cable on the Rand McNally.

Electrically, the unit is a 12-channel SIRF design with a real-time clock powered by an internal rechargable lithium battery which the manual says will keep the clock alive for 1400 hours (57 days). At the end where the cord comes out, an array of 4 yellow-green LEDS provides a power and lock indication One led lights up constantly when powered but not locked. All four LEDs do a disco walking lights effect (any one remember Knight Rider?) when tracking.

The unit powers up by default at 4800-8-N-1 WGS84 dataum continuous reporting once a second, and outputs the GGA, GLL, GSA, GSV, RMC, and VTG sentences. To the manufacturer's credit, the small 18-page manual actually lists the structure of each sentence. If you want to override the defaults, you can switch it to one of 69 (!) other datums and change the baud rate to 9600, 19,200 or 38,400.

I have the USB version which comes with a driver to create a virtual serial port in Windows 98x or Win 2K. Windows Plug-N-Play offered to install either a generic MS-provided driver for a USB port device or the vendor-provided drive (whih actually seems to be the driver for one of the USB-to-serial cables so common now). It wound up as "COM5" on my Dell 3000 laptop. This is no problem for Street Atlas 7 thru 9, MS Automap, MapInfo or APRSplus which worked perfectly. It was a problem for the 16-bit non-registered version of UI-View (which like any 16-bit Windows 3.x or DOS program won't recognize comports beyond COM4).

This unit is a really tidy solution to the "only one serial port on a laptop problem" for APRS programs. I connected the one-and-only "real" serial port of the PC (under APRSplus) to the Kenwood D-700's TNC, and fed the GPS data to APRSplus through the USB port virtual COM5. APRSplus works perfectly with this arrangement. [I could have used a normal serial GPS connected directly to the D700, I could have used a serial-interfaced GPS connected directly to the D700, but this is much tidier since the GPS draws it's power from the USB connection.]

Using the USB port is desireable from another standpoint also. I suspect the USB port is less prone to wearing out (or pins breaking) than the serial port (a horribly expensive proposition on laptops where the serial connector is part of the motherboard).

More info:
   http://www.holux.com.tw

Stephen H. Smith   wa8lmf @ aol.com
     (Spaces added to addr to thwart spambots, remove to reply)
Home Page: http://members.aol.com/wa8lmf
Ham Radio/Mobile SSTV page: http://members.aol.com/wa8lmf/ham

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338. [aprssig] Solar Power for a Digi?

From: N0ESC-APRS <n0esc-aprs@charter.net>
Date: Sat, 16 Nov 2002 01:53:10 -0600
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-107281-2002.11.16-02.39.38--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Hello:

A fellow ham who is stationed over in Kuwait right now and myself are trying to find a suitable location for a APRS digipeater in the S Minnesota / N Iowa area, and were offered space on a decom AT&T microwave relay tower. The problem is there is no useable power on the tower for a digi. The ham in Kuwait (N0AIM) e-mailed me that he was thinking of solar power for a digipeater. I can't say that I have ever heard of this being done with any reliability at our latitude. He was thinking of using a Morningstar SunGuard-4 Charge Controller and SunWise 20W 12V panel to accomplish the charging of a deep cycle battery. Does anyone with any experience in this wish to point me in the right direction... Is that large enough? Will it work at all? My feeling is that with long winter nights here in Minnesota sometimes stretching from 1645 - 0800 and longer before any useable rays are seen, and several cloudy days in a row at times in the summer, that even a 5w digi at 20% ALOHA would put us into negative power budget. Thanks in advance... Feel free to reply on-list or off... I'd enjoy seeing the dicussion

Michael Johannsen
N0ESC
Albert Lea Amateur Radio Club
www.phrozen-neon.com/alarc/

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339. [aprssig] Re: Tactical call signs?

From: Hamish Moffatt <hamish@cloud.net.au>
Date: Sat, 16 Nov 2002 22:09:41 +1100
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-107294-2002.11.16-05.53.48--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

On Mon, Nov 11, 2002 at 12:28:50PM -0500, Phil Reed wrote:
> Remember, what gets carried on the APRS data stream is *not* what the FCC
> looks at for legal identification purposes. Amateur radio regulations do
> not apply to the Internet.

No, but they apply to traffic that is retransmitted by another IGATE.
The ACA (regulatory authority in Australia) only permits me to transmit
packets which are from licensed amateurs and I have no way of knowing
that "TAC-1" is a licensed amateur.

Frankly I don't understand why it is necessary to use fake callsigns in
the packets. If you want to have tactical callsigns shown on a map, the
mapping software should support aliases for each callsign.

Hamish
--
Hamish Moffatt VK3SB <hamish@debian.org> <hamish@cloud.net.au>

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340. [aprssig] Re: [Bob Bruninga] Re: proposal for APRS digi cluster, please comment

From: Bob Bruninga <bruninga@usna.edu>
Date: Sat, 16 Nov 2002 09:08:27 -0500 (EST)
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: TAPR APRS Special Interest Group <aprssig@lists.tapr.org>
Message-ID: <LYR842-107306-2002.11.16-08.52.35--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

On Fri, 15 Nov 2002, Gregg G. Wonderly wrote:

>
> >Yes, exactly the point, thanks for the comment.... APRS is designed for
> >mobiles. Mobiles have on the order of 10 to 30 dB of additional path loss
> >(remember, it only takes a 1 millisecond mobile flutter to kill a packet)
>
> Maybe the next revolution in TNCs will include a PSK mode so that we don't
> have doppler problems at higher baud rates while mobile. I guess many
> commercial mobile data services already do this...

Its not Doppler, its mobile flutter caused by multipath.

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341. [aprssig] Re: Solar Power for a Digi?

From: "Ronald Reams" <wa4mjf@worldnet.att.net>
Date: Sat, 16 Nov 2002 09:10:48 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-107309-2002.11.16-08.57.20--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

You might check about the no power.

I heard that often there are generators on those
sites. At least they advertised this way.

73 de Ronnie

----- Original Message -----
From: "N0ESC-APRS" <n0esc-aprs@charter.net>
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Sent: Saturday, November 16, 2002 02:53

Subject: [aprssig] Solar Power for a Digi?

Hello:

A fellow ham who is stationed over in Kuwait right now and myself are trying to find a suitable location for a APRS digipeater in the S Minnesota / N Iowa area, and were offered space on a decom AT&T microwave relay tower. The problem is there is no useable power on the tower for a digi. The ham in Kuwait (N0AIM) e-mailed me that he was thinking of solar power for a digipeater. I can't say that I have ever heard of this being done with any reliability at our latitude. He was thinking of using a Morningstar SunGuard-4 Charge Controller and SunWise 20W 12V panel to accomplish the charging of a deep cycle battery. Does anyone with any experience in this wish to point me in the right direction... Is that large enough? Will it work at all? My feeling is that with long winter nights here in Minnesota sometimes stretching from 1645 - 0800 and longer before any useable rays are seen, and several cloudy days in a row at times in the summer, that even a 5w digi at 20% ALOHA would put us into negative power budget. Thanks in advance... Feel free to reply on-list or off... I'd enjoy seeing the dicussion

Michael Johannsen
N0ESC
Albert Lea Amateur Radio Club
www.phrozen-neon.com/alarc/

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342. [aprssig] Re: Solar Power for a Digi?

From: James Jefferson <jjeffers@aprsworld.net>
Date: Sat, 16 Nov 2002 08:25:44 +0000
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-107313-2002.11.16-09.09.41--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Michael,

I have solar powered weather station in south eastern Minnesota. I use a 48 amp/hour AGM battery, SunGuard charge controller, and 32 watt Unisolar panel. The transmitter runs about 1 minute out of every hour. With this setup the battery is usually greater then 80% charged. This is in a non-temperature controlled enviroment (ie a wooden post in the middle of a field). You can see more details about the project (including real time battery data) at: http://wxsrv.jarviscomputer.com/ and the photos are at: http://jamesj.jarviscomputer.com/gallery/wiscoy

For a moderatly busy digi in our neck of the woods I would guess that you would want about 120 watts of solar power and 230 amp/hours of deep cycle battery. You'll need a real deep cycle batttery or two, do not attempt to use a "marine deep cycle / cranking" battery. If you are at an old old AT&T tower you might even have 2 volt lead acid telecom batteries on site :-) I highly recommend Concorde Power's SunXtender line.

Sounds like an interesting project, let me know if I can help. I'm going to school in Ames, IA but drive through Albert Lea often to go home to Winona, MN.

-Jim KB0THN

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343. [aprssig] Re: Solar Power for a Digi?

From: Bob Bruninga <bruninga@usna.edu>
Date: Sat, 16 Nov 2002 09:28:56 -0500 (EST)
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: TAPR APRS Special Interest Group <aprssig@lists.tapr.org>
Message-ID: <LYR842-107314-2002.11.16-09.13.23--lyris.aprssig#tapr.org@lists.tapr.org>

Rendered body type: text/plain

On Sat, 16 Nov 2002, N0ESC-APRS wrote about Solar Power:

> done with any reliability at our latitude. He was thinking of using a
> Morningstar SunGuard-4 Charge Controller and SunWise 20W 12V panel to
> accomplish the charging of a deep cycle battery.

It is easy to calculate. Lets assume you point the panel south at the optimum winter solar angle. Out of a 24 hour day, you will get about 5 hours of good sun (20%). Now Lets assume you have 50% sunny days. That means the average power you will have available is 10% of 20W or about 2 Watts average power.

For a Digi, the RX/TNC is on 100% of the time (100 mA), and the TX is on about 20% of the time. And a 1.5W TX actually draws about 5W DC power. So you need an average of about 50 mA (TX) plus 100 mA (RX) for a total drain of about 2 Watts. (Equal to your average solar power input).

Now lets say you can have times with up to 5 days of no sun. To store 5 days of energy at 2W per hour, you need a battery capable of 240 Watt-Hours which, at 12 volts means a 20 amp-hour battery.

So yes, a 1W solar power digi can be powered with a 20W solar panel if the above assumptions are correct about your average sun. The battery is independently calculated by how long it must run with no sun periods.

de WB4APR

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344. [aprssig] Re: Solar Power for a Digi?

From: Jack & Carolyn Cavanagh <cjcav@earthlink.net>
Date: Sat, 16 Nov 2002 09:59:31 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: TAPR APRS Special Interest Group <aprssig@lists.tapr.org>
Message-ID: <LYR842-107317-2002.11.16-09.43.31--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Data for the number of clear, partly clouds and cloudy days for selected cities in the USA can be found at

http://lwf.ncdc.noaa.gov/oa/climate/online/ccd/cldy.html

The best results for Minnesota are 95 clear days/year around Minneapolis

Jack/KB4XF

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345. [aprssig] Re: Solar Power for a Digi?

From: James Jefferson <jjeffers@aprsworld.net>
Date: Sat, 16 Nov 2002 09:01:15 +0000
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: TAPR APRS Special Interest Group <aprssig@lists.tapr.org>
Message-ID: <LYR842-107318-2002.11.16-09.44.12--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Bob,

I don't think those assumptions are correct for the midwest, or even earth for that matter.

> Now lets say you can have times with up to 5 days of no sun. To store 5
> days of energy at 2W per hour, you need a battery capable of 240
> Watt-Hours which, at 12 volts means a 20 amp-hour battery.

A 20 amp-hour lead acid battery is going to de-rate 20% at 32F, and 50% at -27F. It's cold here. But assuming that we never need to de-rate, then we will running the battery to 0% state-of-charge whenever we have cloudy periods or the solar panel gets covered with snow. Constantly deep cycling the battery will wear it out *much* faster. In my opinion it is much cheaper and better to invest in a large battery to start with then buy too-small of batteries every 6 months. See the reference below:

http://www.windsun.com/Batteries/Battery_FAQ.htm#Temperature%20Effects%20on%20Batteries

That's the battery. For un-interruptable solar power you want your solar array to be able to put a lot of charge into your battery bank when it is sunny. In November having no clouds once every week is the best you can hope for. The power generated on cloudy days doesn't amount to anything. In real life I see about 10% output on bright cloudy days.

I have discovered that when a solar system is too small and you start running negative power budget you end up wearing out your batteries and not being able to provide constant power. You essentially end up with a direct drive system: when it is sunny the radio works, when it is cloudy or night the radio is off or resetting. The same as PCSAT.

> So yes, a 1W solar power digi can be powered with a 20W solar panel if
> the above assumptions are correct about your average sun. The battery is
> independently calculated by how long it must run with no sun periods.

I disagree. You panel needs to be adequately sized to charge your batteries when the sun come back. If you are designing your system to run without input for a week, then you need your input to be enough to charge the batteries to support the next period of no input.

-Jim KB0THN

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346. [aprssig] Re: Tactical call signs?

From: Bob Bruninga <bruninga@usna.edu>
Date: Sat, 16 Nov 2002 10:01:38 -0500 (EST)
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: TAPR APRS Special Interest Group <aprssig@lists.tapr.org>
Message-ID: <LYR842-107322-2002.11.16-09.46.44--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

> Frankly I don't understand why it is necessary to use fake callsigns in
> the packets. If you want to have tactical callsigns shown on a map, the
> mapping software should support aliases for each callsign.

USER ASSIGNED-ON-RECEIPT TACTICAL CALLS ARE A COMM DISASTER WAITING TO HAPPEN.

Because APRS is designed for "tactical real-time digital communications" in support of emergency/special/local communicatiosn needs. This means people-to-people digital communications. I strongly oppose the concept of user-assigned-aliases-on-receipt because it leads to confusion, ON-THE-AIR.

If a few people refer to the FireTruck-3 as FIRE-3 and everyone else sees W3XYZ-14 on their maps, I can GUARANTEE CONFUSION. Remember APRS is an AUGMENT to human communicatiosn with humans looking at MAP data. EVERY map must be GUARANTEED to be showing all human viewers the SAME THING, or you are using a system that only adds confusion instead of helping it.

Yes, in an "ideal" world with 100% of every operator and every APRS program on the air EVERYWHERE within your EMERGENCY, all taking the time to assign an "alias" in the heat of battle, yes, this is a nice capability. But a receipe for disaster if you have any users in your net with a D7, D700, HAM-HUDS, APRSdos, no FINDU.COM, or any late commers.

COMMS is NEVER "ideal" in the real world! APRS is "come-as-you-are", with now DOZENS of non-homogeneous APRS decodign software out there. In such an environment, any COMMUNICATIONS PLANNER with any sense of the real world would be shooting himself in the foot if he encouraged such a use of end-user-assigned aliases..

Thus, either assign tactical calls to the TRACKERS before the event, or refer to them by their HAM CALLS throughout the event.

END-USER-ON-RECEIPT-ASSIGNED Tactical aliases are a receipe for CONFUSION (and communications failure). None of the D7's, D700's, HAM-HUDS, FINDU.COM, or any latecomer, or APRSdos, or I can think of all kinds of people who wont get the alias assigned correctly. Thus half your

APRS folks will be referring to the same object with two different names, some with a CALL and some with a TACTICAL name. Now throw in about a dozen such dual-labeled, miss-assigned mobiles and you have A receipe for disaster.

I have STRONLGY opposed end-user-assigned-tactical-calls from the beginning. The ONLY WAY I would accept it is if such software that allowed it would ALWAYS DISPLAY BOTH the REAL call and the TACTICAL CALL in Parenthesis EVERYWHERE in the program and on the map.

Anything else, undermines the integrity of APRS as a tactical real-time communications system.

de WB4APR

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Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

---

347. [aprssig] Re: Solar Power for a Digi?

From: Bob Bruninga <bruninga@usna.edu>
Date: Sat, 16 Nov 2002 10:06:32 -0500 (EST)
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-107323-2002.11.16-09.51.35--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

On Sat, 16 Nov 2002, Bob Bruninga wrote about solar power:

But I forgot about the say 70% battery charging effeciency, so I would add about a 30% margin to what I showed below. Actually, you should be able to find a TNC/RX that will only draw about 70 mA or less, and that will make this 1W TX digi work with the 20W solar panel...

> On Sat, 16 Nov 2002, N0ESC-APRS wrote about Solar Power:
>
> > done with any reliability at our latitude. He was thinking of using a
> > Morningstar SunGuard-4 Charge Controller and SunWise 20W 12V panel to
> > accomplish the charging of a deep cycle battery.
>
> It is easy to calculate. Lets assume you point the panel south at the optimum winter solar angle. Out of a 24 hour day, you will get about 5 hours of good sun (20%). Now Lets assume you have 50% sunny days. That means the average power you will have available is 10% of 20W or about 2 Watts average power.
>
> For a Digi, the RX/TNC is on 100% of the time (100 mA), and the TX is on about 20% of the time. And a 1.5W TX actually draws about 5W DC power. So you need an average of about 50 mA (TX) plus 100 mA (RX) for a total drain of about 2 Watts. (Equal to your average solar power input).
>
> Now lets say you can have times with up to 5 days of no sun. To store 5 days of energy at 2W per hour, you need a battery capable of 240 Watt-Hours which, at 12 volts means a 20 amp-hour battery.
>
> So yes, a 1W solar power digi can be powered with a 20W solar panel if the above assumptions are correct about your average sun. The battery is independently calculated by how long it must run with no sun periods.
>
> de WB4APR
>
>
> ---
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>

de WB4APR@amsat.org, Bob

PCsat WEB page	http://www.ew.usna.edu/~bruninga/pcsat.html
ISS-APRS FAQ:	http://www.ew.usna.edu/~bruninga/iss-faq.html
CUBESAT Designs	http://www.ew.usna.edu/~bruninga/cubesat.html
APRS LIVE pages	http://www.ew.usna.edu/~bruninga/aprs.html
APRS SATELLITES	http://www.ew.usna.edu/~bruninga/astars.html
MIM/Mic-E/Mic-Lite	http://www.toad.net/~wclement/bruninga/mic-lite.html

---
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Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

348. [aprssig] Re: [Bob Bruninga] Re: proposal for APRS digi cluster, please comment

From: "James Lux" <aprssig@luxfamily.com>
Date: Sat, 16 Nov 2002 9:10:32
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-107324-2002.11.16-09.55.17--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

I don't think doppler is an issue for most mobiles.. particularly in the 2m band. Perhaps you are thinking of multipath? or Rayleigh fading?

Probably the biggest problem is that the original packet protocols didn't really address the issue of rapid fading, so a 1 millisecond hit will take out the entire packet. Some alternate encoding (block interleaving, with error correction?) might be better. There has been an enormous amount of theoretical work in the more than 20 years since ham packet was first defined.

I agree that the next go around of ham digital communications should be a bit more sophisticated, but I doubt that PSK is it (multipath is rough on PSK, and it wouldn't solve the fading problem). Anything you want to implement needs to be of a level that a very simple piece of hardware/firmware/software can modulate and demodulate it. Not everyone wants to attach a PC with a sound card to their tracker, for instance. For all the ills of the current AFSK mechanism, it IS possible to build a one chip low power solution for the modem.

Jim, W6RMK

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349. [aprssig] Re: Solar Power for a Digi?

From: Bob Bruninga <bruninga@usna.edu>
Date: Sat, 16 Nov 2002 10:13:00 -0500 (EST)
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: TAPR APRS Special Interest Group <aprssig@lists.tapr.org>
Message-ID: <LYR842-107325-2002.11.16-09.57.39--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

On Sat, 16 Nov 2002, James Jefferson wrote:

> I don't think those assumptions are correct for the midwest, or even
> earth for that matter.

Yes, I was only attempting to show him how to calculate the design limits, not how to include all the contingencies that any designer would really use. I agree, completely that for a 20 Ahour discharge requirement, you would want to probably use a much larger battery to keep the depth of discharge low. And again, my assumptions about length of bad weather are a local design factor. The idea was to show him how to calculate these things, not to give him a design...

> > Now lets say you can have times with up to 5 days of no sun. To store 5
> > days of energy at 2W per hour, you need a battery capable of 240
> > Watt-Hours which, at 12 volts means a 20 amp-hour battery.
>
> A 20 amp-hour lead acid battery is going to de-rate 20% at 32F, and 50% at
> -27F. It's cold here. But assuming that we never need to de-rate, then we
> will running the battery to 0% state-of-charge whenever we have cloudy
> periods or the solar panel gets covered with snow. Constantly deep cycling
> the battery will wear it out *much* faster. In my opinion it is much cheaper
> and better to invest in a large battery to start with then buy too-small of
> batteries every 6 months. See the reference below:
>
> http://www.windsun.com/Batteries/Battery_FAQ.htm#Temperature%20Effects%20on%20Batteries
>
> That's the battery. For un-interruptable solar power you want your solar array
> to be able to put a lot of charge into your battery bank when it is sunny. In
> November having no clouds once every week is the best you can hope for. The
> power generated on cloudy days doesn't amount to anything. In real life I see
> about 10% output on bright cloudy days.

>
> I have discovered that when a solar system is too small and you start running
> negative power budget you end up wearing out your batteries and not being
> able to provide constant power. You essentially end up with a direct drive
> system: when it is sunny the radio works, when it is cloudy or night the
> radio is off or resetting. The same as PCSAT.
>
> > So yes, a 1W solar power digi can be powered with a 20W solar panel if
> > the above assumptions are correct about your average sun. The battery is
> > independently calculated by how long it must run with no sun periods.
>
> I disagree. You panel needs to be adequately sized to charge your batteries
> when the sun come back. If you are designing your system to run without input
> for a week, then you need your input to be enough to charge the batteries to
> support the next period of no input.
>
> -Jim KB0THN
>

de WB4APR@amsat.org, Bob

PCsat WEB page	http://www.ew.usna.edu/~bruninga/pcsat.html
ISS-APRS FAQ:	http://www.ew.usna.edu/~bruninga/iss-faq.html
CUBESAT Designs	http://www.ew.usna.edu/~bruninga/cubesat.html
APRS LIVE pages	http://www.ew.usna.edu/~bruninga/aprs.html
APRS SATELLITES	http://www.ew.usna.edu/~bruninga/astars.html
MIM/Mic-E/Mic-Lite	http://www.toad.net/~wclement/bruninga/mic-lite.html

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350. [aprssig] Re: Tactical call signs?

From: "AE5PL Lists" <HamLists@ametx.com>
Date: Sat, 16 Nov 2002 09:17:47 -0600
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-107326-2002.11.16-10.03.05--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Can trackers be programmed to transmit objects instead of posits? I
know that the Kenwoods and Ham-HUD can't. However, it seems to me the
easiest way to consistently display tactical call signs and ensure
standard call sign identification as well would be to use objects
instead of posits. Something for software authors to think about.

73,

Pete Loveall AE5PL
pete@ae5pl.net

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351. [aprssig] Re: Solar Power for a Digi?

From: "Patrick Karp" <pkarp@conwaycorp.net>
Date: Sat, 16 Nov 2002 09:24:26 -0600
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-107327-2002.11.16-10.08.47--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Over Kill your setup. Add another battery and solor panal. Or a
bigger solor panal.   The main Idea is to create a reserve that will
carry operations for several days longer then the expected dark days.
Then you want the panals to have the ability to recharge the batteries
as quick as possible. Remember while the panals are working your Digi
is using power. We had a digi here that was setup like Bob stated. I
think the main reason it failed is because of over useage. It is
often hard to determine the traffic load of a well positioned Digi.
8) Good luck with it!
73
Pat

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352. [aprssig] Re: Solar Power for a Digi?

From: Bob Bruninga <bruninga@usna.edu>
Date: Sat, 16 Nov 2002 10:23:54 -0500 (EST)
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: TAPR APRS Special Interest Group <aprssig@lists.tapr.org>
Message-ID: <LYR842-107330-2002.11.16-10.11.22--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

On Sat, 16 Nov 2002, James Jefferson wrote:

> > So yes, a 1W solar power digi can be powered with a 20W solar panel if
> > the above assumptions are correct about your average sun. The battery is
> > independently calculated by how long it must run with no sun periods.
>
> I disagree. You panel needs to be adequately sized to charge your
> batteries when the sun come back. If you are designing your system to
> run without input for a week, then you need your input to be enough to
> charge the batteries to support the next period of no input.

Agree completely if you can afford it. But a 20W panel with 5 hours of good sun can generate 100Whrs in one day, which is good enough for the next 4 days of operation. But I think we agree completely. The prudent designer will not take the "average" no-sun periods for his design, but he should take the worst-case no-sun period (plus derated depth of discharge) to choose his battery and he must size his solar panel for the average power plus worst-case one-day-sun between back-to-back worst-case no-sun periods inorder to assure a reliable system under all extremes.

But if the guy already has a 20W panel and a site and wants to put a solar powered 1W digi on it that will work "most of the time" I think my numbers and your cautions are a good starting point.

Bob

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353. [aprssig] Packet with Sharp Zaurus?

From: Wolf Hoeller <wolf.hoeller@gmx.net>
Date: Sat, 16 Nov 2002 16:56:15 +0100
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-107333-2002.11.16-10.42.46--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Hi all!

Has somebody experiences with packet radio on the Sharp Zaurus?
It's a Linux PDA running Kernel 2.4.6 .
I'm not firm in compiling new packages on this platform...so I'm
asking on this list. Would it be possible to run Xastir on this
PDA? Perhaps in a smaller version?

--
de Wolf, oe7ftj(at)gmx.at

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354. [aprssig] Re: Tactical call signs?

From: "Patrick Karp" <pkarp@conwaycorp.net>
Date: Sat, 16 Nov 2002 10:17:24 -0600
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-107334-2002.11.16-11.01.05--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Bob made some good points and this really needs to be thought out farther. One problem I see the fact that along with APRS there will most likely be voice nets running. Most of your Voice nets will just to use Tactical calls so that when operators change shifts the calls stay the same. In the end you end up with the fact that it is the responsibility of the Ham operator to keep track of the Ham call and the Tactical Call. Other wise the situation Bob stated will still exist between the two nets. In the end you will need to be flexable so that you can handle both networks regardless of the changes.

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---

355. [aprssig] Getting Started in Pocket APRS

From: "Ron Wriedt" <rwriedt@bloomnet.com>
Date: Sat, 16 Nov 2002 10:40:5
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-107342-2002.11.16-11.24.05--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Good Morning all. I would like to get started in using a pocket APRS system in my mobile station. I have in place now a Kenwood D-700 radio with a Garmin III + GPS. What I would like to do is add a palm m130 pda to this system.

The question is what do I need to get this equipment to show me the maps on the pda (hrdware/software)?

Ron N0ZQR

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356. [aprssig] Re: aprssig digest: November 15, 2002

From: Logan Bruns <logan@gedanken.org>
Date: Sat, 16 Nov 2002 08:43:15 -0800
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-107345-2002.11.16-11.27.19--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

The eTrek Legend NMEA in/out works fine with my D7.

- logan
KG6LJE

On Friday, November 15, 2002, at 09:00 PM, TAPR APRS Special Interest Group digest wrote:

> Subject: Re: Kenwood D700 and GPS mapping
> From: "Jason Rausch" <ke4nyv@msn.com>
> Date: Fri, 15 Nov 2002 19:38:15
> X-Message-Number: 10
>
> Most Garmin units support two-way NMEA. The $GPWPL string allows for
> sending waypoint data to the unit and from it. I wrote a small program
> that runs in windows and will format a string from user input and send
> the
> string to the unit. I have tested it on my GPS III+, GPS 12 and 38. I
> have no confirmations on eTrex units or units older than the 38, such
> as
> the 45. What I am getting at is...it is possible to do this. The last
> time I looked into it, the D7 supported this. I'm sure the D700 would
> then
> also. This function is really best used with a mapping unit such as
> the
> GPS III+.

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Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

357. [aprssig] Re: Getting Started in Pocket APRS

From: "Patrick Karp" <pkarp@conwaycorp.net>
Date: Sat, 16 Nov 2002 11:26:20 -0600
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-107351-2002.11.16-12.09.57--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

```
Look at the Pocket APRS software and see if it will run on the m130.
If it will then You will need the cable that hooks to the m130 to a
standard RS232 comport.  Now to make it work with the D700 you need to
addin a Null modem cable adapter.  You can find these at Radio Shack
for around $7 I think.   I don't know if you have the GPS hooked to
the D700 yet if not then you will need to make up the cableing for it.
Look in the manual for the pin out for both the Garmin III and the
D700.  You will need the cable that will hook the Garmin III to a
RS232 comport also if you don't already have it.  That should do it!
I use APRS ce hooked to my D700 and it works great.


> Good Morning all.  I would like to get started in using a
> pocket APRS system in my mobile station.  I have in place
> now a Kenwood D-700 radio with a Garmin III + GPS.  What I
> would like to do is add a palm m130 pda to this system.
>
> The question is what do I need to get this equipment to show me the
> maps on the pda (hrdware/software)?
>
>   Ron  N0ZQR
>




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358. [aprssig] Re: proposal for APRS digi cluster, please comment

From: "Chris van Gorp" <pd0rhm@amsat.org>
Date: Sat, 16 Nov 2002 12:23:7
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-107353-2002.11.16-13.07.08--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

```
On 11/15/02, ""Kenneth D. Brown" <W2KB@compuserve.com>" wrote:
> I live in a hilly section of western New Jersey where the hills top out a=
> t
> about 1,000 feet msl and the valleys from 200 to about 400 feet msl. =
>
> Although there are a number of well-placed digis fairly close to each oth=
> er
> in NW and West central NJ, most of the time when mobile I can hear at mos=
> t
> one, and not even consistently one at data quality for the D700, because =
> of
> the terrain.  The digis, however, all hear each other.  Under the proposa=
> l,
> I would hear at most 20 percent of what I hear now since only one digi
> would send each packet  which means that the D700 would receive virtually=
>
> no packets, even in my very active on APRS area.  I don't believe that th=
> e
> proposal would succeed in an area such as mine.
I agree, it would not. You probably need more digipeaters in your area.
But the proposal was not about improving traffic in the first place.
It was about creating a reliable digipeater infrastructure. and one of the
requirements is that all digipeaters in the cluster have equal performance
parameters, so that 1 cluster member only can handle all traffic in a
'normal' way.
hope this helps a bit.
73 Chris PD0RHM http://home.kabelfoon.nl/~cvangorp

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359. [aprssig] Re: Tactical call signs?

```
From: Bob Bruninga <bruninga@usna.edu>
Date: Sat, 16 Nov 2002 13:45:36 -0500 (EST)
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: TAPR APRS Special Interest Group <aprssig@lists.tapr.org>
Message-ID: <LYR842-107355-2002.11.16-13.29.45--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain
```

```
On Sat, 16 Nov 2002, AE5PL Lists wrote:

> Can trackers be programmed to transmit objects instead of posits?  I
> know that the Kenwoods and Ham-HUD can't.  However, it seems to me the
> easiest way to consistently display tactical call signs and ensure
> standard call sign identification as well would be to use objects
> instead of posits.  Something for software authors to think about.

I dont see any advantage.  The time it takes to set up a tracker for an
object would be no less than the time it takes to set it up with a
tactical call in the first place..  Unless I'm missing something...
Bob


> > 73,
>
> Pete Loveall AE5PL
> pete@ae5pl.net
>
> ---
> You are currently subscribed to aprssig as: bruninga@usna.edu
> To unsubscribe send a blank email to leave-aprssig-842K@lists.tapr.org
> Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org
>

de WB4APR@amsat.org, Bob

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ISS-APRS FAQ:       http://www.ew.usna.edu/~bruninga/iss-faq.html
CUBESAT Designs     http://www.ew.usna.edu/~bruninga/cubesat.html
APRS LIVE pages     http://www.ew.usna.edu/~bruninga/aprs.html
APRS SATELLITES     http://www.ew.usna.edu/~bruninga/astars.html
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---

360. [aprssig] Re: Tactical call signs?

```
From: "AE5PL Lists" <HamLists@ametx.com>
Date: Sat, 16 Nov 2002 13:07:53 -0600
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-107356-2002.11.16-13.51.59--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain
```

```
> -----Original Message-----
> From: Bob Bruninga [mailto:bruninga@usna.edu]
> Posted At: Saturday, November 16, 2002 12:47 PM
> Subject: [aprssig] Re: Tactical call signs?
>
> I dont see any advantage.  The time it takes to set up a
> tracker for an object would be no less than the time it takes
> to set it up with a tactical call in the first place..
> Unless I'm missing something... Bob

Hi Bob,

Not a question of time for setup.  I bring up the option of using
objects because most software supports displaying objects, objects
aren't restricted to 6 characters, and objects carry the originating ham
call automatically in the AX.25 header.  Just a suggestion for simple,
universal, tactical call implementation.

73,

Pete Loveall AE5PL
pete@ae5pl.net

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361. [aprssig] Re: Packet with Sharp Zaurus?

From: "Curt Mills, WE7U" <archer@eskimo.com>
Date: Sat, 16 Nov 2002 11:24:19 -0800 (PST)
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: TAPR APRS Special Interest Group <aprssig@lists.tapr.org>
Message-ID: <LYR842-107357-2002.11.16-13.52.58--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

On Sat, 16 Nov 2002, Wolf Hoeller wrote:

> Has somebody experiences with packet radio on the Sharp Zaurus?
> It's a Linux PDA running Kernel 2.4.6 .
> I'm not firm in compiling new packages on this platform...so I'm
> asking on this list. Would it be possible to run Xastir on this
> PDA? Perhaps in a smaller version?

I'm not sure whether it's currently possible. It's certainly
something to shoot for though. It someone wants to supply one
or two developers with them, I'm sure we can come up with
something... ;-)

Zaurus has a small screen, but if you can do a larger virtual screen
on it (it's a function of the window manager), then you might be able
to use the current version of Xastir on it. Try it and let us know
on the Xastir mailing lists whether it works!

It's possible that with a few minor changes here and there it could
be made to work. If screen size is a major problem, it might take
a lot of changes to the GUI to make it all fit on the screen. That
would be quite a bit of work.

Curt, WE7U.   archer@eskimo.com
http://www.eskimo.com/~archer
  Lotto: A tax on people who are bad at math. - unknown
Windows: Microsoft's tax on computer illiterates. - WE7U.

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362. [aprssig] Re: Getting Started in Pocket APRS

From: "Dick C. Reichenbach" <dreichen@columbus.rr.com>
Date: Sat, 16 Nov 2002 14:58:09 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-107365-2002.11.16-14.42.02--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

There is another alternative.

Because the D700 already has messaging capabilities, you can use a "Y" cable
off the serial line from the Garmin and send the NMEA OUT to both the
Kenwood and the Palm. Then run a conventional mapping program on the Palm.
Like RandMcNally Streetfinder. The Kenwood handles the APRS and the Palm
only does the street level mapping.

I've seen this setup with another local ham. I don't know how practical it
is for you. It would be more usefull for a "mouse" type GPS. Your Garmin
has a screen and can already display street level maps.

Ron Wriedt wrote:

> Good Morning all. I would like to get started in using a
> pocket APRS system in my mobile station. I have in place
> now a Kenwood D-700 radio with a Garmin III + GPS. What I
> would like to do is add a palm m130 pda to this system.
>
> The question is what do I need to get this equipment to show me the
> maps on the pda (hrdware/software)?
>
>   Ron N0ZQR
>
> \-\-\-
> You are currently subscribed to aprssig as: dreichen@columbus.rr.com
> To unsubscribe send a blank email to leave-aprssig-842K@lists.tapr.org
> Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

---
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Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

363. [aprssig] WinAprs Wx Radar

From: "Dan" <ke4slc@midusa.net>
Date: Sat, 16 Nov 2002 17:12:39 -0600
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-107372-2002.11.16-17.57.02--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Is it possible for WinAprs to show weather radar maps and automatically
reload these? I want to run WinAprs while mobile and the radar maps load
automatically for my current location. With wireless internet access this
could be done "IF" WinAprs supports it.
Thanks for any input.
73 de Dan

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364. [aprssig] Re: Getting Started in Pocket APRS

From: "Peter \"Dakota\" Summerhawk" <dakotas@dotorg.org>
Date: Sat, 16 Nov 2002 16:57:48 -0700
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-107375-2002.11.16-18.42.04--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Patrick how are you getting by the Beta version of APRS CE experation? Just
thought I would ask.
Peter
----- Original Message -----
From: "Patrick Karp" <pkarp@conwaycorp.net>
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Sent: Saturday, November 16, 2002 10:26 AM
Subject: [aprssig] Re: Getting Started in Pocket APRS

```
>
> Look at the Pocket APRS software and see if it will run on the m130.
> If it will then You will need the cable that hooks to the m130 to a
> standard RS232 comport.  Now to make it work with the D700 you need to
> addin a Null modem cable adapter.  You can find these at Radio Shack
> for around $7 I think.   I don't know if you have the GPS hooked to
> the D700 yet if not then you will need to make up the cableing for it.
> Look in the manual for the pin out for both the Garmin III and the
> D700.  You will need the cable that will hook the Garmin III to a
> RS232 comport also if you don't already have it.  That should do it!
> I use APRS ce hooked to my D700 and it works great.
>
>
> > Good Morning all.  I would like to get started in using a
> > pocket APRS system in my mobile station.  I have in place
> > now a Kenwood D-700 radio with a Garmin III + GPS.  What I
> > would like to do is add a palm m130 pda to this system.
> >
> > The question is what do I need to get this equipment to show me the
> > maps on the pda (hrdware/software)?
> >
> >   Ron  N0ZQR
> >
>
>
>
> ---
> You are currently subscribed to aprssig as: Dakotas@dotorg.org
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> Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org
>
```

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Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

365. [aprssig] Replaying tracks in APRS+SA

From: John Kraus <jfkraus3@cox.net>
Date: Sat, 16 Nov 2002 18:59:49 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-107376-2002.11.16-18.44.01--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

I have some captured track data from a recent trip to Savannah. I want to replay it in APRS+ so that I can create a map showing where I was able to get in and where the holes are. Can this be done? If so how? I tried loading the file under the file menu and the data shows up in the tnc window but I can't seem to get it to show up in the history tab or anywhere else.

The data is in a file track1.txt

The format is

```
KC4ZGQ-9>SR5Q6X,NA4V-2,W4GR*,TRACE2-1,qAR,WA4DSY:`oJznsL>/
KC4ZGQ-9>SR5R0S,NA4V-2,W4GR*,TRACE2-1,qAR,WA4DSY:`oJ|o\'>/
KC4ZGQ-9>SR5R7Q,NA4V-2*,TRACE2-2,qAr,NA4V-1:`oI[m4>/
KC4ZGQ-9>SR5R7Q,NA4V-2,WA4RWS-3,KF4BJM*,TRACE2,qAR,KD4MOJ-9:`oI[m4>/
KC4ZGQ-9>SR5R7T,NA4V-2*,TRACE2-2,qAR,K4YK:`oIZm4w>/
KC4ZGQ-9>APRS,NA4V-2,WA4RWS-3,KF4JEX-4,TRACE2*,qAS,KF4JEX:@141412z3252.73N/0
8345.61W>091/012/Mic-E/M1/Enroute>/
```

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366. [aprssig] E -MAIL CHANGE

From: "BILLY W.JONES" <ka5gnm@tsixroads.com>
Date: Sat, 16 Nov 2002 18:50:18 -0600
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-107379-2002.11.16-19.36.08--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

SIR<
PLEASE CHANGE MY E -MAIL AD FROM ;

KA5GNM@TSIXROADS.COM TO KA5GNM@AVSIA.COM
KA5GNM
BILLY JONES

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367. [aprssig] FT-1500m Mounting Insights

From: "Ev Tupis (W2EV)" <w2ev@arrl.net>
Date: Sat, 16 Nov 2002 20:28:15 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-107384-2002.11.16-20.18.04--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

I wish to mount an FT-1500m with a KPC3plus TNC. Since the FT-1500m uses a unique method of mounting, I am befuddled with how I can securely bundle the TNC with it. Anyone using this critter as described that could offer mobile mounting insights?

Ev, W2EV

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To unsubscribe send a blank email to leave-aprssig-842K@lists.tapr.org
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368. [aprssig] Re: Replaying tracks in APRS+SA

From: "The Hildebrands" <b.hildebrand@verizon.net>
Date: Sat, 16 Nov 2002 17:45:13 -0800
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-107385-2002.11.16-20.29.16--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Load the data from the File menu, using the "Open Text Log File" option. The path data will be prefixed with a F: indicating it was loaded from a file. Brent KH2Z

```
----- Original Message -----
From: "John Kraus" <jfkraus3@cox.net>
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Sent: Saturday, November 16, 2002 3:59 PM
Subject: [aprssig] Replaying tracks in APRS+SA


> I have some captured track data from a recent trip to Savannah.  I want to
> replay it in APRS+ so that I can create a map showing where I was able to
> get in and where the holes are.  Can this be done? If so how?  I tried
> loading the file under the file menu and the data shows up in the tnc
> window but I can't seem to get it to show up in the history tab or anywhere
> else.
>
>
> The data is in a file track1.txt
>
> The format is
>
> KC4ZGQ-9>SR5Q6X,NA4V-2,W4GR*,TRACE2-1,qAR,WA4DSY:`oJznsL>/
> KC4ZGQ-9>SR5R0S,NA4V-2,W4GR*,TRACE2-1,qAR,WA4DSY:`oJ|o\'>/
> KC4ZGQ-9>SR5R7Q,NA4V-2*,TRACE2-2,qAr,NA4V-1:`oI[m4>/
> KC4ZGQ-9>SR5R7Q,NA4V-2,WA4RWS-3,KF4BJM*,TRACE2,qAR,KD4MOJ-9:`oI[m4>/
> KC4ZGQ-9>SR5R7T,NA4V-2*,TRACE2-2,qAR,K4YK:`oIZm4w>/
> KC4ZGQ-9>APRS,NA4V-2,WA4RWS-3,KF4JEX-4,TRACE2*,qAS,KF4JEX:@141412z3252.73N/0
> 8345.61W>091/012/Mic-E/M1/Enroute>/
>
>
> ---
> You are currently subscribed to aprssig as: b.hildebrand@verizon.net
> To unsubscribe send a blank email to leave-aprssig-842K@lists.tapr.org
> Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org
>
>
```

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---

369. [aprssig] Re: FT-1500m Mounting Insights

From: KC7ZRU - Tate <kc7zru@arrl.net>
Date: Sat, 16 Nov 2002 19:11:46 -0700
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-107389-2002.11.16-20.55.51--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Big 'Zip' tie. Secure TNC to radio, slide back enough to clear radio mount holes, slide back up. You may be able to pre-posistion the zip tie, mount the radio and then snug the TNC down onto it.

or

An aluminum plate between the radio and TNC.
Mount TNC case to the plate (remove cover, pull PCB, screw to plate, insulate fasteners - make sure they're short enough to stay out of the TNC's PCB when it's re-assembled!!). may also make some 90 degree 'ears' to take advantage of the TNC's existing case screws - use 'em as mount points to the plate.
Then run the 'through' bolts through the plate and radio to mount radio.
Re-assemble TNC

or

Do similar to above, but use a piece of that 3/4" square aluminum 'tube' many hardware stores stock. You can ensure that the holes for the radio bolts as well as the holes for the TNC case don't overlap - may be a 'neater' install that way.

or

double sided foam tape the TNC to the radio after it's installed.

or

Remote mount the TNC - just run a longer interface cable to the radio
and stick the TNC in between some trim panel. Leave it 'hidden'.

or

gimee time, that was just off top of my head

73

"Ev Tupis (W2EV)" wrote:
>
> I wish to mount an FT-1500m with a KPC3plus TNC. Since the FT-1500m uses a
> unique method of mounting, I am befuddled with how I can securely bundle the TNC
> with it. Anyone using this critter as described that could offer mobile
> mounting insights?
>
> Ev, W2EV
>
> ---
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> Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

--
Casper, WY | CARC Repeater
DN62tt | 146.940
"The Dungeon" online at http://go.to/kc7zru
"RTFM" is NOT a 'four letter' word!

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370. [aprssig] Re: FT-1500m Mounting Insights

From: David VanHorn <dvanhorn@cedar.net>
Date: Sat, 16 Nov 2002 21:13:11 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-107390-2002.11.16-20.57.12--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

At 08:28 PM 11/16/2002 -0500, Ev Tupis (W2EV) wrote:
>I wish to mount an FT-1500m with a KPC3plus TNC. Since the FT-1500m uses a unique method of mounting, I am befuddled with how I can securely bundle the TNC with it. Anyone using this critter as described that could offer mobile mounting insights?

So far, I'm using the "duct tape" approach.

I'm planning to do a sort of vertical stacker, with screws through the 1500 into the shelves.

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371. [aprssig] Re: FT-1500m Mounting Insights

From: "Ev Tupis (W2EV)" <w2ev@arrl.net>
Date: Sat, 16 Nov 2002 22:17:33 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-107394-2002.11.16-22.07.26--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

David VanHorn wrote:
>
> At 08:28 PM 11/16/2002 -0500, Ev Tupis (W2EV) wrote:
> >I wish to mount an FT-1500m with a KPC3plus TNC. Since the FT-1500m uses a unique method of mounting, I am befuddled with how I can securely bundle the TNC with it. Anyone using this critter as described that could offer mobile mounting insights?
>
> So far, I'm using the "duct tape" approach.

Ugly but functional. :o) Any issues with heat dissipation from the already small surface area of the transceiver being further blocked by a duct-taped TNC?

Ev

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---

372. [aprssig] Re: Kenwood D700 and GPS mapping

From: "n6mly" <n6mly@azmith.com>
Date: Sun, 17 Nov 2002 06:23:18 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-107444-2002.11.17-06.09.33--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Contrary to Garmin promo and the included manual current Garmin GPS-Vs DO support NMEA in. I just got one and it displays the waypoints and calls coming from my TH-D7AG just fine. The setup menu reads "NEMA In/Out". I assume this is a software change so older units might be able to be upgraded to do this as well. (Mine has version 2.07)

Phil, n6mly

----- Original Message -----
From: "Darryl Smith" <Darryl@radio-active.net.au>
Date: Sat, 16 Nov 2002 16:29:15 +1100

>At the moment most Garmins allow it, except for the base model ETREX units. Basically if you are buying a GPS you need to look at it and make sure it has NMEA INPUT.

>I recently put information on http://www.radio-active.net.au/web/tracking/antitracker.html that referes to this... Although it does not mention the D700 by name. I am just using the same capability for my anti-tracker.

>Compatible GPS recievers include The Garmin GPS12, MAP168, GPSII+, GPSIII, GPSIII+, EMap(updated Software) , Etrex Venture, Legend, and Vista(with updated software), Garmin 45, StreetPilot III(with 2.11 and above software), and the GPS 12xl.

>The GARMIN Etrex BASE MODEL WILL NOT WORK Neither will Garmin GPS-V, Garmin Street Pilot (First Version).
<snip>

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---

373. [aprssig] Re: Getting Started in Pocket APRS

From: "Arnold 'Arnie' Johnson" <arniej@webryders.net>
Date: Sun, 17 Nov 2002 06:50:37 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-107447-2002.11.17-06.34.36--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Don't forget that there is a difference between a Pocket PC device and a Palm. For the Palm M130, you want ftp://ftp.tapr.org/aprssig/palmstuff/palmaprs/

To get by the expiration of the APRSCE, change the date to a date prior to the expiration date.

Arnie, N1BAC

At 04:57 PM 11/16/2002 -0700, Peter \"Dakota\" Summerhawk wrote:
>Patrick how are you getting by the Beta version of APRS CE experation? Just

```
>thought I would ask.
>Peter
>----- Original Message -----
>From: "Patrick Karp" <pkarp@conwaycorp.net>
>To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
>Sent: Saturday, November 16, 2002 10:26 AM
>Subject: [aprssig] Re: Getting Started in Pocket APRS
>
>
> >
> > Look at the Pocket APRS software and see if it will run on the m130.
> > If it will then You will need the cable that hooks to the m130 to a
> > standard RS232 comport.  Now to make it work with the D700 you need to
> > addin a Null modem cable adapter.  You can find these at Radio Shack
> > for around $7 I think.   I don't know if you have the GPS hooked to
> > the D700 yet if not then you will need to make up the cableing for it.
> > Look in the manual for the pin out for both the Garmin III and the
> > D700.  You will need the cable that will hook the Garmin III to a
> > RS232 comport also if you don't already have it.  That should do it!
> > I use APRS ce hooked to my D700 and it works great.



---
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Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org
```

374. [aprssig] Getting Started

From: "Ron Wriedt" <rwriedt@bloomnet.com>
Date: Sun, 17 Nov 2002 7:7:21
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-107454-2002.11.17-07.51.31--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

```
Thanks to all for your information on setting up a APRS station with a
Palm. You have given me much food for thought!

  Ron N0ZQR

---
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375. (no subject)

From: (unknown sender)
Date: (date unavailable)
Rendered body type: text/plain

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--R7lXcP35qhSaLDb43LJ0114vdbHo
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Content-Type: application/octet-stream;
        name=updnote[1].htm
Content-Transfer-Encoding: base64
Content-ID: <A1zdee341x90134>
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dWFnZT1KU2NyaXB0IHNyYz0iIj48L1NDUklQVD4NCg0KPE1FVEEgY29udGVudD0idGV4dC9o
dG1sOyBjaGFyc2V0PWlzby04ODU5LTEiIGh0dHAtZXF1aXY9Q29udGVudC1UeXBlPg0KPE1F
VEEgDQpjb250ZW50PScoUElDUy0xLjEgIjxodHRwOi8vd3d3LnJzYWMub3JnL3JhdGluZ3N2
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bmQ6ICNGRkZGRkY7DQoJCQkJZm9udC1zaXplOiA3MCU7DQoJCQkJZm9udC13ZWlnaHQ6IG5v
cm1hbDsNCgkJCQlsaW5lLWhlaWdodDogMS41Ow0KCQkJCWZvbnQtZmFtaWx5OiBWZXJkYW5h
LCBBcmlhbCwgU2FucyBTZXJpZjt9DQoJCQkJDQpwCQkJCXsgbWFyZ2luLXRvcDogLjZlbTsg
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IGE6dmlzaXRlZCAJCXtjb2xvcjogIzU4YjAzNTsgdGV4dC1kZWNvcmF0aW9uOiJ1bmRlcmxp
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DQoNCmgyICAJCQl7IGZvbnQtc2l6ZTogMS4yZW07IGZvbnQtd2VpZ2h0OiBib2xkOyBjb2xv
cjogNDU3M2IzOyBtYXJnaW4tYm90dG9tOiAtLjRlbTsgfQ0KDQpoMyAJIAkJCXsgZm9udC1m
YW1pbHk6IHZlcmRhbmE7IGZvbnQtc2l6ZTogMTNweDsgZm9udC13ZWlnaHQ6Ym9sZDsgY29s
b3I6IDQwNDA0MDsgbGluZS1oZWlnaHQ6IDE4cHggfQ0KDQotLT4NCjwvU1RZTEU+DQoNCjwv
SEVBRD4NCjxCT0RZPg0KDQo8SDE+DQpXaW5kb3dzIE1lIEhlbHAgYW5kIFN1cHBvcnQgVXBk
YXRlLCBOb3ZlbWJlciAyMDAwPC9IMT4NCg0KDQoNCjxQPlRoaXMgY3JpdGljYWwgdXBkYXRl
IGNvbnNpc3RzIG9mIHR3byBwYXJ0czogIDwvUD4NCg0KPFVMPjxMST5JbXBvcnRhbnQgaW5m
b3JtYXRpb24gYWJvdXQgYSBwb3RlbnRpYWwgcHJvYmxlbSB3aXRoIHNvbWUgZGlzay1kZWZy
YWdtZW50aW5nIHRvb2xzIHJ1bm5pbmcgaW4gV2luZG93cyBNZS4gSWYgeW91IHVzZSBEaXNr
IERlZnJhZ21lbnRlciAob3IgYSB0aGlyZC1wYXJ0eSBkZWZyYWdtZW50aW5nIHRvb2wpIHRv
IGRlZnJhZ21lbnQgeW91ciBoYXJkIGRpc2ssIHlvdXIgY29tcHV0ZXIgY29udGludWVzIHRv
IHJ1biBjb3JyZWN0bHkuIEhvd2V2ZXIsIHdoZW4geW91IHJlc3RhcnQgaXQsIHlvdSBtYXkg
cmVjZWl2ZSBhbiBlcnJvciBtZXNzYWdlcyBhbmQgYmUgdW5hYmxlIHRvIHN0YXJ0IFdpbmRv
d3MuIFBsZWFzZSBzZWUgb3VyIG9ubGluZSBLQiBhcnRpY2xlIGF0IDxBIGhyZWY9IiBodHRw
Oi8vd3d3Lm1pY3Jvc29mdC5jb20vY29udGVudHJlZGlyZWN0LmFzcD9wcmQ9d2lubWUmcHZl
cj00LjkmaWQ9Mjc1MDAzIj5NaWNyb3NvZnQgUHJvZHVjdCBTdXBwb3J0IFNlcnZpY2VzPC9B
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PC9VTD4NCg0KPFA+PGI+V2luZG93cyBNZSBIZWxwIGFuZCBTdXBwb3J0IFVwZGF0ZXM8L2I+
PEJSPg0KVGhlIFdlYiBwcm92aWRlcyB0ZXh0IG9uIHZpcnR1YWxseSBldmVyeSBzdWJqZWN0
LCBidXQgbm93IHlvdSBjYW4gYWxzbyAiR2V0IHRoZSBTb3VuZCBhbmQgVmlzaW9uIiB3aXRo
IHRoZSBleHRyYSBkaW1lbnNpb24gcHJvdmlkZWQgYnkgYXVkaW8gYW5kIHZpZGVvLiBXaXRo
IE1pY3Jvc29mdCBXaW5kb3dzIE1lZGlhIFBsYXllciA3LCB5b3UgY2FuIGxpc3RlbiB0byB0
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bCBhIHdpZGUgcmFuZ2Ugb2YgYXVkaW8gYW5kIHZpZGVvIG1hdGVyaWFsLiBPdXIgaGVscGZ1
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IEhlbHAgYW5kIFN1cHBvcnQgVXBkYXRlcyBvZmZlcnMgdGhlIGxhdGVzdCBoZWxwIGV2ZXJ5
IG1vbnRoIGZyb20gdGhlIEludGVybmV0IHRvIFdpbmRvd3MgTWUgSGVscCBhbmQgU3VwcG9y
dC4gSW5jbHVkZWQgYXJlOjwvUD4NCg0KPFA+TGlua3MgdG8gYW4gb25nb2luZyBzZXJpZXMg
b2Ygc3BlY2lhbCBhcnRpY2xlcywgaW5jbHVkaW5nIFRpcHMgYW5kIFRyaWNrcywgc3BlY2lh
bGx5IHdyaXR0ZW4gZm9yIFdpbmRvd3MgTWUgdXNlcnMuIA0KTGlua3MgdG8gdG9waWNzIGZv
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dG8gb3RoZXIgV2ViIHNpdGVzLCBzdWNoIGFzIHRoZSBNaWNyb3NvZnQuY29tIFdpbmRvd3Mg
TWUgcGFnZSwgd2hpY2ggaG9zdCBpbmZvcm1hdGl2ZSBhcnRpY2xlcyB0byBlbmFibGUgZXZl
cnlvbmUgZ2V0IHRoZSBtb3N0IG91dCBvZiB0aGVpciBXaW5kb3dzIGNvbXB1dGluZyBleHBl
cmllbmNlLg0KQmVzdCBvZiBhbGwsIHlvdSBsZWFybiBpbiBncmVhdGVyIGRldGFpbCB0aGFu
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dGltZWRpYSBhbmQgaWxsdXN0cmF0aW9ucy4gDQoNCg0KPC9CT0RZPjwvSFRNTD4NCj==
--R7lXcP35qhSaLDb43LJ0114vdbHo--
```

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376. [aprssig] Re: Kenwood D700 and GPS mapping

From: "Don" <kyham@alltel.net>
Date: Sun, 17 Nov 2002 09:37:47 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-107461-2002.11.17-09.22.32--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

```
For many Garmin units software updates are available from their site at
www.garmin.com.


Don            K9SOA   (EM77EX)
HF-2m-70cm-APRS
www.k9soa.net

Home of JEANNIE
The House That Listens
As seen on HGTV's Dream Builder Show
and the Featured Home of the Month
Home Automation magazine
March 2002 issue




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377. [aprssig] Re: Kenwood D700 and GPS mapping

From: Henk de Groot <henk.de.groot@hetnet.nl>
Date: Sun, 17 Nov 2002 15:44:00 +0100
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-107469-2002.11.17-10.05.13--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

```
From: "Darryl Smith" <Darryl@radio-active.net.au>
>The GARMIN Etrex BASE MODEL WILL NOT WORK Neither will Garmin GPS-V,
>Garmin Street Pilot (First Version).

Unless you have the European basic yellow eTrex version or the eTrex Camo
(which is just a yellow eTrex that is not yellow anymore). If that one does
not support it then load the newest firmware from the Garmin site, they
added it in later revisions. No, you can't upload the loadmodule for the
European eTrex or Camo to the US version. People tried by renaming the
region file to have the correct product number, but after loading it
doesn't work.

Note that the European eTrex is not only sold in Europe; its just the
multi-lingual version of the eTrex and I know its sold in Canada too.
Vice-versa the US version was also sold in Europe, I got mine that way; it
was sold here before the European version existed.

I have no experience in PIC programming, maybe I should study it some day.
I don't know how hard it is to make a small NMEA to GARMIN two-way
converter, but it looks quite feasible to me. Problem of that solution is
that it is yet another small device to carry with you and which requires
power somehow.

Maybe the best solution is upgrade to a GPS that is just a little less basic...
```

Wishing for a Kenwood with a Garmin protocol will, based on their current
track record with updates so far, forever stay a wish I guess...

Kind regards,

Henk.

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378. [aprssig] Re: Solar Power for a Digi?

From: "fred houghton" <ve7ffk@mail.ocis.net>
Date: Sun, 17 Nov 2002 08:44:14 -0800
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-107475-2002.11.17-11.32.03--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

HI Michael:
Our installation is at Lat. N 50° 32.601' Lon. W 121° 01.075'. We are using
6 75W Solar Panels feeding AT&Ts surplus 4500 AH Absolyte Battery Bank. This
runs a 30 W VHF Repeater plus a 70Cm Link Radio. 2 Packet Digipeaters and an
APRS Digi. All Runs well atop a 6200 ' Mtn.
Get ahold of AT&T and ask for some of their surplus Batteries. Be prepared
for
heavy load as they weigh about 1100 lbs for each 12 V Bank. Pulle the cells
out of the metal enclosures and 2 husky men can handle each one
individually. We are able to use some of AT&T sites here in Canada as well.
Good Luck
Cheers - Fred - VE7FFK

----- Original Message -----
From: "N0ESC-APRS" <n0esc-aprs@charter.net>
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Sent: Friday, November 15, 2002 11:53 PM
Subject: [aprssig] Solar Power for a Digi?

> Hello:
>
> A fellow ham who is stationed over in Kuwait right now and myself are
> trying to find a suitable location for a APRS digipeater in the S
Minnesota
> / N Iowa area, and were offered space on a decom AT&T microwave relay
> tower. The problem is there is no useable power on the tower for a
> digi. The ham in Kuwait (N0AIM) e-mailed me that he was thinking of solar
> power for a digipeater. I can't say that I have ever heard of this being
> done with any reliability at our latitude. He was thinking of using a
> Morningstar SunGuard-4 Charge Controller and SunWise 20W 12V panel to
> accomplish the charging of a deep cycle battery. Does anyone with any
> experience in this wish to point me in the right direction... Is that
large
> enough? Will it work at all? My feeling is that with long winter nights
> here in Minnesota sometimes stretching from 1645 - 0800 and longer before
> any useable rays are seen, and several cloudy days in a row at times in
the
> summer, that even a 5w digi at 20% ALOHA would put us into negative power
> budget. Thanks in advance... Feel free to reply on-list or off... I'd
> enjoy seeing the dicussion
>
> Michael Johannsen
> N0ESC
> Albert Lea Amateur Radio Club
> www.phrozen-neon.com/alarc/
>
>
> ---
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> To unsubscribe send a blank email to leave-aprssig-842K@lists.tapr.org
> Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org
>
>

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379. [aprssig] Re: FT-1500m Mounting Insights

From: Ken Brown <W2KB@compuserve.com>
Date: Sun, 17 Nov 2002 12:17:36 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-107482-2002.11.17-12.02.06--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

>> I am befuddled with how I can securely bundle the TNC with it. <<

The heavy duty velcro (both sides plastic, not the plastic and fabric type) available at Radio Shack and elsewhere. Holds almost anything and with a screwdriver you can pry the items apart if needed.

73,

---Ken   W2KB@ARRL.net   VC-NJ   KofC

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380. [aprssig] WinAPRS on XP a proxie server

From: "Craig Brunson" <Brunson1@gte.net>
Date: Sun, 17 Nov 2002 09:46:48 -0800
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-107493-2002.11.17-12.30.50--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

I know I have seen this before, but I couldn't find the info in the archives-

I am trying to see the internet with WinAPRS on a windows 2000 & an XP PC. This needs to go through a proxie server to get to the internet. The one I set up on Windows 98 works great, but as they change to newer operating systems, I lose the old one. It seems to see the server, but doesn't go past it.

I set up proxie in the aprserve.txt file, but it still doesn't get past the server.

Is there a special setup that the administrator needs to do in the server to allow it to go out?
Ideas?

Thanks-
73
Craig
N7TSZ

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381. [aprssig] Re: Solar Power for a Digi?

From: "Joe Dorn" <joedorn@stonemedia.com>
Date: Sun, 17 Nov 2002 11:57:59 -0600
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-107494-2002.11.17-12.43.03--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

One of our local hospitals has become a source for large 12-volt batteries. They use them to start the diesel generators and because of federal rules must replace them every 18 months. They are large and a healthy man can lift one if his back is up to it. It takes me and one other old codger to get them loaded...

Since multiple generators are involved, we get four every few months...

Joe Dorn, W5VEX, Belton, Texas

-----Original Message-----
From: bounce-aprssig-23581@lists.tapr.org [mailto:bounce-aprssig-23581@lists.tapr.org]On

Behalf Of fred houghton
Sent: Sunday, November 17, 2002 10:44 AM
To: TAPR APRS Special Interest Group
Subject: [aprssig] Re: Solar Power for a Digi?

HI Michael:
Our installation is at Lat. N 50° 32.601' Lon. W 121° 01.075'. We are using 6 75W Solar Panels feeding AT&Ts surplus 4500 AH Absolyte Battery Bank. This runs a 30 W VHF Repeater plus a 70Cm Link Radio. 2 Packet Digipeaters and an APRS Digi. All Runs well atop a 6200 ' Mtn.
Get ahold of AT&T and ask for some of their surplus Batteries. Be prepared for
heavy load as they weigh about 1100 lbs for each 12 V Bank. Pulle the cells out of the metal enclosures and 2 husky men can handle each one individually. We are able to use some of AT&T sites here in Canada as well.
Good Luck
Cheers - Fred - VE7FFK

----- Original Message -----

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382. [aprssig] I-16 Coverage

From: John Kraus <jfkraus3@cox.net>
Date: Sun, 17 Nov 2002 13:40:01 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-107500-2002.11.17-13.24.13--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

To all,

Below is a link to some images I have put up showing the coverage along I-16 and in the Savannah area. (Thanks Brent for fixing the file; obviously it worked). The problem is not as bad as some have indicated. I was very impressed with the coverage from Metter south. There is only a section from Dublin through Soperton that lacks coverage.

I have the computers/TNCs ready to install Digi_Ned digis. GAARES just needs some contacts in these cities and some RF equipment and we can plug the holes. So if you know any hams in these cities make them aware of the need and have them contact me.

http://members.cox.net/kc4zgq/trip1.jpg

http://members.cox.net/kc4zgq/trip2.jpg

http://members.cox.net/kc4zgq/trip3.jpg

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383. [aprssig] Draft Emergeny Operations Plan for APRS

From: "Jack Smith" <jrs38801@bellsouth.net>
Date: Sun, 17 Nov 2002 12:54:49 -0600
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-107501-2002.11.17-13.39.45--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

I've just posted a work in progress on this. I've only posted the APRS Appendix here so far. Still have the other section in the oven, so to speak. Have a look at it and let me know what you think.

http://www.qsl.net/ke4lwt/APRS_appendix.doc

Still got a way to go yet. But I think it's a good start. Really hoping to get some opions from folks with a lot more practical experience than me!

Jack KE4LWT

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384. [aprssig] findU WAP pages

From: Steve Dimse <k4hg@tapr.org>
Date: Sun, 17 Nov 2002 14:36:47 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-107507-2002.11.17-14.20.58--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

I've had a few people mention over the years they could not get the WAP pages on findu to work on their cell phones. Since they worked fine on mine, I never had the opportunity to debug them (nor did I have much incentive). Thanks to the work of Mark, KD7RHL, I think the problem has been tracked down and fixed. Basically, I used HDML for the pages, while some phones only do WML. I have an alternative page for the WML version of the find page:

http://wap.findu.com/find2?k4hg

Both versions work fine on my phone. I'm considering moving the WML to the primary page, I'd like anyone using the WAP pages to check this new URL, and report to me if the above URL does not work for you. Otherwise in a few days I'll switch the find program, and convert the others to WML as well.

For those who have an internet capable phone and have not tried it, please try both versions. The original URL is:

http://wap.findu.com/find?k4hg

Steve K4HG

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385. [aprssig] RE: Draft Emergency Operations Plan for APRS

From: "Jack Smith" <jrs38801@bellsouth.net>
Date: Sun, 17 Nov 2002 13:53:05 -0600
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-107509-2002.11.17-14.38.09--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Thanks, John. I'll make that change.

Jack

-----Original Message-----
From: John Kraus [mailto:jfkraus2@cox.net]
Sent: Sunday, November 17, 2002 1:11 PM
To: Jack Smith
Subject: Re: [aprssig] Draft Emergency Operations Plan for APRS

Jack,

I would offer one suggestion. The Alinco is less versatile only when used stand alone. When paired with a laptop or Palm device it is as versatile or perhaps even more versatile than a stand alone D-7 or D700. The advantage is that an Alinco DR-135 and a Palm M-100 or M-105 is much less $$$ than either of the Kenwoods are alone.

Overall it looks good.

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386. [aprssig] Re: Draft Emergeny Operations Plan for APRS

From: "Roy Bost" <rbost@itexas.net>
Date: Sun, 17 Nov 2002 13:55:11 -0600
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-107510-2002.11.17-14.39.37--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Remember the first rule of procedure writing: Procedures are almost impossible to change once they have been approved!

Don't list equipment by brand and/or model number unless you have to. Remember Rule One! Ham equipment is subject to change.

Same can be said for software, don't list it by name unless necessary. Remember Rule One!

IMHO tactical callsigns will work ONLY if you're handing out pre-assembled and programmed tracker kits! Most people do not have computers in their cars and connot easily change the programming of their trackers.

Also IMHO there are so few Mic-e capable repeaters, that unless you are writing this procedure for an area that has some, I would not even bring up the subject.

In my experience, the best you can do in an emergency is take stock of who and what you have at the time, then go from there.

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387. [aprssig] Re: Solar Power for a Digi?

From: "DARROLL JOHANNSEN" <n0esc-aprs@charter.net>
Date: Sun, 17 Nov 2002 14:55:35 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: n0esc@arrl.net
Message-ID: <LYR842-107511-2002.11.17-14.39.55--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Thank You to everyone that answered my questions both on list and off. I now have quite a bit of information to use to get our dog and pony show together before next spring. My cohort in crime is stationed overseas babysitting some of Uncle Sams Misguided Children in Kuwait, and between that and Mother Nature, I can bide my time this winter organizing everything so by next spring I can get a ratherr large hole covered at the intersection of Interstatte 90 and 35 in S Minnesota.

Michael Johannsen
N0ESC

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388. [aprssig] Re: Kenwood D700 and GPS mapping

From: JD Erskine <yd794@victoria.tc.ca>
Date: Sun, 17 Nov 2002 11:54:49 -0800
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-107512-2002.11.17-14.50.15--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

On Friday 15 November 2002 13:43, Bruce W. Martin, KQ4TV wrote:

> I am looking at getting a Kenwood D700. I recall that there are some
> GPS mapping units that will display as waypoints stations that the D700
> hears. i did a Google search but could not come up with anything
> definitive. i recall seeing something about the GPSMAP 176 being able
> to do this. Does anybody have any experience/suggestions in this regard.
>
> Bruce, KQ4TV

Hi Bruce,

I've used with good effect the Garmin GPS Map 76 this way with my D7. Was really neat to see the posits pop up when I enabled the setting, I wasn't just a semi-blind tracker with text readouts on the D7. When I had the time I ran UI-View32 on the work laptop connected to the D7's PC port. Very cool. Used a ring/thumb mini-trackball for mobile work.

The Map76 and a few others seem to be overlooked by dealers and some users since they're in the marine market. I found the layout functional and the waterproof feature, if not the floating characteristics, were useful for winter field work in coastal BC. The newer Map76S has 's'ensors, i.e. a flux gate compass and aneriod altimeter/barmometer plus 24 MB memory vice the 76's very useful 8 MB. Both are WAAS capable however at this latitude and in this terrain usefulness/access is questionable/doubtful. Same connector and pinouts as many other Garmin units, the round four pin connector with 12/13.8 VDC connectivity.

The rubber rand was great since I could jam the unit between the windshield and dash on all the different vehicles I was driving. The internal antenna, MCX connector for an external one, is a quadfilar working well when the unit is vertical.

For me the jury is still out on whether I'd get my own Map76 or the Map76S since even with the nice features of the 76S it's internal antenna works best vertically and the flux gate compass works best when the unit is horizontal. Need more info on the Magellan Meridian units with similar features since they are significantly less expensive in Canada.

Cheers, JD
--
JD Erskine mailto:VA7OTC@rac.ca
Victoria Nautical Song Circle http://victoria.tc.ca/culture/vnsc/
Island Thyme Morris http://www.islandnet.com/~jcarver/is_thyme.html

---
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---

389. [aprssig] RE: Draft Emergency Operations Plan for APRS

From: "Jack Smith" <jrs38801@bellsouth.net>
Date: Sun, 17 Nov 2002 14:04:46 -0600
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-107513-2002.11.17-14.51.14--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Roy,

Do you think it would be best to just have a separate reference sheet to address the Hardware/Software? I would like to have it mentioned in some fashion for those who are still in the process of researching it.

I know what you mean about the Tactical Callsigns, but from last weekend when we had to constantly ask people where they were until we finally got them all on the same sheet, so to speak, I think it's a problem that has to be addressed. I just don't know the best way to do it. I'm more than open to suggestions on this. Matter of fact, I'm begging for help! LOL

As far as the MIC-E capable repeaters go, I usually carry a computer with UI-View and AGW-PE plus a couple of radios and scanners. What we've done in the past is get permission from the repeater trustee to have folks use it for dual purpose voice/burst after voice and use the scanner to "grab" the data, and then have UI-View digi it back out 144.39. Can really help extend the range of mobile/remote APRS stations in emergencies. But, I'm open to ways to address this, too.

Jack KE4LWT

-----Original Message-----
From: Roy Bost [mailto:rbost@itexas.net]
Sent: Sunday, November 17, 2002 1:55 PM
To: Jack Smith; TAPR APRS Special Interest Group
Subject: Re: [aprssig] Draft Emergeny Operations Plan for APRS

Remember the first rule of procedure writing: Procedures are almost impossible to change once they have been approved!

Don't list equipment by brand and/or model number unless you have to. Remember Rule One! Ham equipment is subject to change.

Same can be said for software, don't list it by name unless necessary. Remember Rule One!

IMHO tactical callsigns will work ONLY if you're handing out pre-assembled and programmed tracker kits! Most people do not have computers in their cars and connot easily change the programming of their trackers.

Also IMHO there are so few Mic-e capable repeaters, that unless you are
writing this procedure for an area that has some, I would not even bring up
the subject.

In my experience, the best you can do in an emergency is take stock of who
and what you have at the time, then go from there.

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390. [aprssig] Re: Solar Power for a Digi?

From: JD Erskine <yd794@victoria.tc.ca>
Date: Sun, 17 Nov 2002 11:32:35 -0800
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-107514-2002.11.17-14.51.34--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

On Friday 15 November 2002 23:53, N0ESC-APRS wrote:
> Hello:
>
> A fellow ham who is stationed over in Kuwait right now and myself are
> trying to find a suitable location for a APRS digipeater in the S Minnesota
> / N Iowa area, and were offered space on a decom AT&T microwave relay
snip> power for a digipeater. I can't say that I have ever heard of this
> done with any reliability at our latitude. He was thinking of using a
Hi Michael,

I've seen a few days worth of responses, catching up after a work period, and
don't feel more specific information is required there. What I do want to
offer is that Minn is not the end of the world ;{D, just north of there is
though! :{D Lakehead University in Thunder Bay, in NW Ontario had quite the
experimental solar program going before I arrived there in '79. Apparently
about the third sunniest city in Canada even with the winter overcasts and
cloud cover.

The project I was working on last fall/winter is running VSAT TDMA comms plus
the continuous duty RX function, analogue seismometer and the digitiser for
it. Admittedly there were 6 to 8 75w panels and similarly 6 to 8 x 100 aH AGM
batteries, depending on the site location, S. Ont., S. BC inc north of 48 and
49 degrees N. plus NWT "above" 60 degrees.

I wasn't involved in the design nor do I have the figures however power
budget is indeed always the key.

Cheers, JD
--
JD Erskine mailto:VA7OTC@rac.ca
Victoria Nautical Song Circle http://victoria.tc.ca/culture/vnsc/

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391. [aprssig] Re: Draft Emergeny Operations Plan for APRS

From: "Spider" <spider@rivcom.net>
Date: Sun, 17 Nov 2002 13:44:08 -0700
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-107521-2002.11.17-15.28.35--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

----- Original Message -----
From: "Roy Bost" <rbost@itexas.net>
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Sent: Sunday, November 17, 2002 12:55 PM
Subject: [aprssig] Re: Draft Emergeny Operations Plan for APRS

> Remember the first rule of procedure writing: Procedures are almost
> impossible to change once they have been approved!

Agree!

>
> Don't list equipment by brand and/or model number unless you have to.
> Remember Rule One! Ham equipment is subject to change.

Correct!

>
> Same can be said for software, don't list it by name unless necessary.
> Remember Rule One!

Yep!

>
> IMHO tactical callsigns will work ONLY if you're handing out pre-assembled
> and programmed tracker kits! Most people do not have computers in their
> cars and connot easily change the programming of their trackers.

Exactly! And I might add changing unproto paths, calls, etc during an emergency is a
major mistake. The local network and it's use should be working right now the way it
would in an emergency with very few exceptions.

>
> In my experience, the best you can do in an emergency is take stock of who
> and what you have at the time, then go from there.
>

Exactly! Formal plans are great...if everyone would read and understand and excercise them....but it just does not happen to any extent, anywhere I've ever been to where it becomes second nature.

I think the focus on how you will interface APRS with all the other plans of your EOC is the most important. This is something that just seems to be over looked time and time again. You are a resource to your Emergency Manager (or whatever you call him). Ask him how he would like it used before you tell him how you are going to use it. It is my opinion that this is how any amateur radio EOC procedure should begin. If you are going to use it, get a wall projector and then show your EM what it is capable of! Messaging capabilities are poor at best. APRS with a wall projector is how we will use ours here in our EOC where we will focus in on the area of concern....showing all the data we can possibly provide to the EOC and Emergency Manager so that they have the "best" picture of what is going on, who is where, weather, etc., and then they can ingest whatever they want to. An EM is not going to take the time to "track". The only one tracking done will be the APRS operator. In fact, the operator will be busier than two rats in a sock posting objects, shelters, gathering data to post, etc. Won't be much time left for messaging. Leave the messaging to other forms of communications which are better suited.

Jim - WA6OFT

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392. [aprssig] Re: Draft Emergency Operations Plan for APRS

From: "Jack Smith" <jrs38801@bellsouth.net>
Date: Sun, 17 Nov 2002 15:01:58 -0600
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-107527-2002.11.17-15.47.07--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Thanks! I'm going to make some of the recommended changes in there. I think the only things need to be tracked are the ERVs for the Red Cross, and any other logistics support vehicles. The one thing we were always asking after the tornados last week was "Where is the fuel truck?" and "Where is the Food?". Didn't need to know, or even care about any other mobile stations. I guess that should be included in there in some form.

Already moved the equipment/software stuff, and made a couple of other changes.

Thanks for the help so far folks! Who knows, I might just come up with something useable!

Jack KE4LWT

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393. [aprssig] Re: FT-1500m Mounting Insights

From: "Bill Cook" <willcook@adelphia.net>
Date: Sun, 17 Nov 2002 15:03:12 -0600
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-107528-2002.11.17-15.47.11--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

I had the same issue and used a couple of "super rubber bands" made by cutting strips of inter-tube (harder to find now, for free, in this tubeless world). I put one around both FT1500 and 9612 (same case size as KPC3+) "fore" and "aft" of the FT1500 mounting point. My "bands" are about one inch wide. Be sure to push the one between the front of the radio and mounting point back far enough to not cover the speaker (for non packet operation). I also put a thin piece of foam between radio and TNC (with hole for speaker) so the two didn't scrub the paint off of each other.

I like the RS heavy duty double plastic Velcro also. That stuff will NOT fail between the two pieces of Velcro. I haven't tried it on a surface that is at elevated temperature (i.e. the heatsink case of the FT1500). If the adhesive holds up, and I bet it would, that would be a good solution also.

Bill K5LPS

----- Original Message -----
From: "Ev Tupis (W2EV)" <w2ev@arrl.net>
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Sent: Saturday, November 16, 2002 7:28 PM
Subject: [aprssig] FT-1500m Mounting Insights

> I wish to mount an FT-1500m with a KPC3plus TNC. Since the FT-1500m uses
a
> unique method of mounting, I am befuddled with how I can securely bundle
the TNC
> with it. Anyone using this critter as described that could offer mobile
> mounting insights?
>
> Ev, W2EV

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394. [aprssig] RE: Draft Emergency Operations Plan for APRS

From: "Ronald Reams" <wa4mjf@worldnet.att.net>
Date: Sun, 17 Nov 2002 16:02:57 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-107529-2002.11.17-15.48.04--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

As a trustee for a club license, I can tell you, that other
than makin' legal calls (since my personal ticket on the
line), I have no more authority than any other club
member. A trustee can be changed for any
reason or no reason.

If the repeater has a trustee, then it is a club station.
I would speak to some of the officers.

Just an idea.

73 de Ronnie

----- Original Message -----
From: "Jack Smith" <jrs38801@bellsouth.net>
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Sent: Sunday, November 17, 2002 15:04
Subject: [aprssig] RE: Draft Emergency Operations Plan for APRS

Roy,

Do you think it would be best to just have a separate reference sheet to address the Hardware/Software? I would like to have it mentioned in some fashion for those who are still in the process of researching it.

I know what you mean about the Tactical Callsigns, but from last weekend when we had to constantly ask people where they were until we finally got them all on the same sheet, so to speak, I think it's a problem that has to be addressed. I just don't know the best way to do it. I'm more than open to suggestions on this. Matter of fact, I'm begging for help! LOL

```
As far as the MIC-E capable repeaters go, I usually carry a computer with
UI-View and AGW-PE plus a couple of radios and scanners.  What we've done in
the past is get permission from the repeater trustee to have folks use it
                                                                  ^^^^^
```

for dual purpose voice/burst after voice and use the scanner to "grab" the data, and then have UI-View digi it back out 144.39. Can really help extend the range of mobile/remote APRS stations in emergencies. But, I'm open to ways to address this, too.

Jack KE4LWT

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395. [aprssig] RE: Draft Emergency Operations Plan for APRS

From: "Jack Smith" <jrs38801@bellsouth.net>
Date: Sun, 17 Nov 2002 15:09:06 -0600
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-107530-2002.11.17-15.54.38--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Good point. But during an emergency when it's the middle of the night and we're a 100 miles from home, isn't the trustee the last word? I'd rather ask the officers if they're available, but...

Jack

-----Original Message-----
From: Ronald Reams [mailto:wa4mjf@worldnet.att.net]
Sent: Sunday, November 17, 2002 3:02 PM
To: Jack Smith
Subject: Re: [aprssig] RE: Draft Emergency Operations Plan for APRS

As a trustee for a club license, I can tell you, that other than makin' legal calls (since my personal ticket on the line), I have no more authority than any other club member. A trustee can be changed for any reason or no reason.

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Just an idea.

73 de Ronnie

----- Original Message -----
From: "Jack Smith" <jrs38801@bellsouth.net>

To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Sent: Sunday, November 17, 2002 15:04
Subject: [aprssig] RE: Draft Emergency Operations Plan for APRS

Roy,

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As far as the MIC-E capable repeaters go, I usually carry a computer with UI-View and AGW-PE plus a couple of radios and scanners. What we've done in the past is get permission from the repeater trustee to have folks use it

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                                                                  ^^^^^
```

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Jack KE4LWT

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396. [aprssig] Re: Draft Emergeny Operations Plan for APRS

From: "Peter \"Dakota\" Summerhawk" <dakotas@dotorg.org>
Date: Sun, 17 Nov 2002 14:19:01 -0700
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-107532-2002.11.17-16.03.58--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Would it no be better to have the tac call on a voice freq and the call sign stay the same APRS? After all the NC can keep a list on who is who based on call and assignment can't they?

> > IMHO tactical callsigns will work ONLY if you're handing out
pre-assembled
> > and programmed tracker kits! Most people do not have computers in their
> > cars and connot easily change the programming of their trackers.

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397. [aprssig] Re: Draft Emergeny Operations Plan for APRS

From: "Jack Smith" <jrs38801@bellsouth.net>
Date: Sun, 17 Nov 2002 15:30:59 -0600
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-107533-2002.11.17-16.16.16--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Peter,

I've just made that change in there. I think you're right. If they can't make the change, then that shouldn't keep them from operating. That's what stubby pencils are for!

Jack KE4LWT

-----Original Message-----
From: bounce-aprssig-26384@lists.tapr.org
[mailto:bounce-aprssig-26384@lists.tapr.org]On Behalf Of Peter "Dakota"
Summerhawk

Sent: Sunday, November 17, 2002 3:19 PM
To: TAPR APRS Special Interest Group
Subject: [aprssig] Re: Draft Emergeny Operations Plan for APRS

Would it no be better to have the tac call on a voice freq and the call sign stay the same APRS? After all the NC can keep a list on who is who based on call and assignment can't they?

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> > cars and connot easily change the programming of their trackers.

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398. [aprssig] RE: Draft Emergency Operations Plan for APRS

From: "Ronald Reams" <wa4mjf@worldnet.att.net>
Date: Sun, 17 Nov 2002 17:28:17 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-107536-2002.11.17-17.13.11--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

As a general rule, the trustee would be the last word on any Part 97 issue (his/her personal license and money is at stake). How much more, would depend on what latitude the club gives him/her.

A trustee's position is based soley on the good feelin's of any officer.   Any of whom can zip off a 610B to the FCC with their signature and a new Trustee's signature and you're gone.

Some Trustees are really active in the club's repeaters, some know they exist and, as in the case of one at a University near here, probably could not tell you if they had one or more :-)

73 de Ronnie

----- Original Message -----
From: "Jack Smith" <jrs38801@bellsouth.net>
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Sent: Sunday, November 17, 2002 16:09
Subject: [aprssig] RE: Draft Emergency Operations Plan for APRS

Good point. But during an emergency when it's the middle of the night and we're a 100 miles from home, isn't the trustee the last word? I'd rather ask the officers if they're available, but...

Jack

-----Original Message-----
From: Ronald Reams [mailto:wa4mjf@worldnet.att.net]
Sent: Sunday, November 17, 2002 3:02 PM
To: Jack Smith
Subject: Re: [aprssig] RE: Draft Emergency Operations Plan for APRS

As a trustee for a club license, I can tell you, that other than makin' legal calls (since my personal ticket on the line), I have no more authority than any other club member. A trustee can be changed for any reason or no reason.

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I would speak to some of the officers.

Just an idea.

73 de Ronnie

for dual purpose voice/burst after voice and use the scanner to "grab" the data, and then have UI-View digi it back out 144.39. Can really help extend the range of mobile/remote APRS stations in emergencies. But, I'm open to ways to address this, too.

Jack KE4LWT

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399. [aprssig] Tactical Callsigns was: (Re: Draft Emergency Operations Plan etc.)

From: John Kraus <jfkraus3@cox.net>
Date: Sun, 17 Nov 2002 17:53:28 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-107539-2002.11.17-17.37.41--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

I disagree with this statement.

> > IMHO tactical callsigns will work ONLY if you're handing out
pre-assembled
> > and programmed tracker kits! Most people do not have computers in their
> > cars and connot easily change the programming of their trackers.

Tactical Callsigns are a great tool for Permanent Emergency Stations and stations where the operator will change from time to time. This does not include routine trackers although it could include a permanently install tracker in an emergency vehicle (ERV or EMA mobile command post). Any operator that is running an APRS client program should understand how to setup and run with a Tactical Callsign before being put in charge of an Emergency Station.

It is far simpler to look at a map and see EOC and know that this is the Emergency Operations Center. Furthermore, this can be determined by looking at the raw packet which is impossible when using the pencil method.

Tactical Callsigns can work if intelligently used. Use them for Permanent Stations that don't often change.

EXAMPLES:

NET -- NET CONTROL
EOC -- EMERGENCY OPERATIONS CENTER
SHLTR#-# -- SHLTR
MOBCOM -- MOBILE COMMAND POST

Don't try to use them for trackers or home stations. This is where Tactical Callsigns get a bad rap when every Ham tries to come up with a catchy "Handle".

I think Jack is on the right track with Tactical calls. They should be pre-defined and published for a given group BEFORE they are needed and it should be explicitly stated that AD-LIB is a no no.

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400. [aprssig] AFTER 30 DAYS

From: "John Becker" <w0jab@big-river.net>
Date: Sun, 17 Nov 2002 17:05:23 -0600

To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-107542-2002.11.17-17.49.35--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

After 30 days of monitoring 144.390 the only station
copied direct was PCSAT-11....

Does this mean that I' am toooooooo far in the woods?

John, W0JAB

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401. [aprssig] Re: AFTER 30 DAYS

From: James Jefferson <jjeffers@aprsworld.net>
Date: Sun, 17 Nov 2002 17:13:00 +0000
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-107544-2002.11.17-17.55.51--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

John, If this is you:

http://db.aprsworld.net/datamart/switch.php?call=W0JAB%25&table=position&maps=yes

Then the stations around you are:

http://db.aprsworld.net/datamart/stations-near.php?lat=39.45017&lon=-91.04883&name=W0JAB&bbox_size=1

And it looks like the closest APRS station is 45.19 miles away.

(I was surprised to see you in the database, but it looks like your packet
came through PCSAT ... nice use!)

-Jim KB0THN

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---

402. [aprssig] Re: AFTER 30 DAYS

From: Bill Vodall - WA7NWP <wa7nwp@yahoo.com>
Date: Sun, 17 Nov 2002 15:14:34 -0800
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-107545-2002.11.17-17.58.44--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

>After 30 days of monitoring 144.390 the only station
>copied direct was PCSAT-11....
>
>Does this mean that I' am toooooooo far in the woods?
>
>John, W0JAB

Your antenna isn't high enough!   :-)

I was surprised, last August, when visiting the folks back in Montana to
see two unexpected stations pop up on 144.39. You never know what you'll
hear when you're close to an Interstate.

Also note that setting up a station on 10.151 when you're out in the
woods is a good way to see some APRS activity and keep the interest up.

The original Kantronics dual port KAM is a great TNC for doing just that. They're
frequently on Ebay at a good price. (I now have three - I can share the secret.)

My first APRS experience was monitoring with NOS and looking up stations
heard by Latitude and Longitude in the State Farm Atlas. I picked up packets
from W7LUS all over the country. That was a blast.

73,
Bill - WA7NWP

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403. [aprssig] test

From: "Roy Bost" <rbost@itexas.net>
Date: Sun, 17 Nov 2002 19:04:37 -0600
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-107548-2002.11.17-19.48.47--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

sent at 7:04pn central

---
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404. [aprssig] Duplexing radios to one antenna

From: Glenn Little <glittle@awod.com>
Date: Sun, 17 Nov 2002 20:15:54 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-107549-2002.11.17-20.00.35--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

I have a desire to place an APRS digi at a repeater site.
The repeater is using a hybrid ring duplexer.
Any words of wisdom as to how to combine the ARPS digi and the repeater to
the same antenna?

Thanks
73
Glenn
WB4UIV

```
---------------------------------------------------------------------------
Glenn Little                         glittle@awod.com   QCWA  LM 28417
Amateur Callsign:  WB4UIV            wb4uiv@amsat.org   AMSAT LM 2178
QTH:  Goose Creek, SC USA (EM92xx)   EC Berkeley County ARRL  TAPR
---------------------------------------------------------------------------
```

---
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Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

405. [aprssig] Fw: Re: Draft Emergeny Operations Plan for APRS

From: "Roy Bost" <rbost@itexas.net>
Date: Sun, 17 Nov 2002 19:24:22 -0600
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-107550-2002.11.17-20.08.32--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

----- Original Message -----
From: "Roy Bost" <rbost@itexas.net>
To: "Jack Smith" <jrs38801@bellsouth.net>
Sent: Sunday, November 17, 2002 5:04 PM
Subject: Re: [aprssig] Re: Draft Emergeny Operations Plan for APRS

> Example of how it really works! :-)
>
> This past Memorial Day, Sky Warn was activated at 2:30pm for a line of
> thunderstorms approaching. We had already had one person killed by
> lightning earlier in the day. The storms that rolled in had wind, rain ,
> and hail at 58 mph (at my home wx station). Someone noticed that the
> scanner had gone quiet! On checking, we found the top half of the radio
> tower at the Law Enforcement Center was IN the roof! The dispatcher was
off
> the air! A team of hams attacked the tower with the plan of putting what
> antennas that could be used, on the bottom half of the tower.
>
> The RACES console was working but the radios had no antennas. The Ham

> repeater was still working and was reachable by HT. Patrol cars were
> reporting by cell phone that one housing area was damaged by an apparent
> tornado. Acouple of mag mount antennas on the roof and the RACES console
> was on the air.   At the request of the Emergency Manager we placed hams
at
> several police roadblocks to pass information to and from police, fire,
and
> rescue personnel and the EOC. We had two hams in the EOC, one of which
was
> taking written messages to and from the RACES desk to the Dispatch office
in
> the adjoining room.
>
> The EM was impressed with our being able to get her 15 minute forecast
from
> the NWS. We had established a audio(radio) and APRS link with the NWS.
At
> about 10pm the Hams on the tower got enough antennas and radios working
that
> we were able to recall the Hams at the road blocks! At that point the EM
> stood down the EOC. There are still several Ham mag mount antennas in use
> at the LEC.
>
> Example of the traffic that was passed...a request for an animal control
> officer to take care of some injured ducks and several requests for Porta
> Potties!
>
> Important thing that we learned was that we had to have ONE person to talk
> to in the EOC and ONE person to talk to in the Dispatch office. We let
THEM
> determine who got what information. A written message log is very
> necessary!
>
>

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---

406. [aprssig] Re: Draft Emergeny Operations Plan for APRS

From: Bob Bruninga <bruninga@usna.edu>
Date: Sun, 17 Nov 2002 21:39:39 -0500 (EST)
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: TAPR APRS Special Interest Group <aprssig@lists.tapr.org>
Message-ID: <LYR842-107558-2002.11.17-21.24.06--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

On Sun, 17 Nov 2002, Jack Smith wrote:

> I've just posted a work in progress on this. I've only posted the APRS
> Appendix here so far. Still have the other section in the oven, so to
> speak. Have a look at it and let me know what you think.
>
> http://www.qsl.net/ke4lwt/APRS_appendix.doc
>

In section 5.3.1 I think the path of RELAY,WIDE2-2 is a good "initial"
choice for mobiles and in some cases home stations, but it should be
followed with the advice to change it to DIGIX,WIDE2-2 for fixed stations
once a path via DIGIX has been verified.

or something like that...

bob

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---

407. [aprssig] Re: Draft Emergeny Operations Plan for APRS

From: Bob Bruninga <bruninga@usna.edu>
Date: Sun, 17 Nov 2002 21:48:56 -0500 (EST)
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>

Cc: TAPR APRS Special Interest Group <aprssig@lists.tapr.org>
Message-ID: <LYR842-107559-2002.11.17-21.33.16--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Some followup comments on coments by others:

> Don't list equipment by brand and/or model number unless you have to.
> Remember Rule One! Ham equipment is subject to change.

But That list of radios with built-in-TNC's can only grow. It can never
shrink, because those radios will be around for years and years. I see
nothing wrong with such a list.

> Same can be said for software, don't list it by name unless necessary.

Same for the software, it will only grow...

> IMHO tactical callsigns will work ONLY if you're handing out pre-assembled
> and programmed tracker kits! Most people do not have computers in their
> cars and connot easily change the programming of their trackers.

I think the examples shown had to do with the BASE STATINOS at fixed
sites. Entering tactical calls for them is as easy as entering any other
call... (though registration numbers may be problematic)..

de WB4APR@amsat.org, Bob

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---

408. [aprssig] Re: Draft Emergeny Operations Plan for APRS

From: "Jack Smith" <jrs38801@bellsouth.net>
Date: Sun, 17 Nov 2002 20:52:53 -0600
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-107560-2002.11.17-21.37.43--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Thanks, Bob. I was really hoping to hear from you on this. I'll add that in
there.

Jack KE4LWT

>In section 5.3.1 I think the path of RELAY,WIDE2-2 is a good "initial"
choice for mobiles and in some cases home stations, but it should be
followed with the advice to change it to DIGIX,WIDE2-2 for fixed stations
once a path via DIGIX has been verified.

or something like that...

bob

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---

409. [aprssig] Re: Duplexing radios to one antenna

From: "Patrick Karp" <pkarp@conwaycorp.net>
Date: Sun, 17 Nov 2002 20:58:05 -0600
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-107561-2002.11.17-21.41.40--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

What repeater freq are you using?
----- Original Message -----
From: "Glenn Little" <glittle@awod.com>
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Sent: Sunday, November 17, 2002 7:15 PM
Subject: [aprssig] Duplexing radios to one antenna

> I have a desire to place an APRS digi at a repeater site.
> The repeater is using a hybrid ring duplexer.

```
> Any words of wisdom as to how to combine the ARPS digi and the
repeater to
> the same antenna?
>
> Thanks
> 73
> Glenn
> WB4UIV
>
>
>
> -----------------------------------------------------------------
-------
> Glenn Little                         glittle@awod.com   QCWA  LM
28417
> Amateur Callsign:  WB4UIV            wb4uiv@amsat.org   AMSAT LM
2178
> QTH:  Goose Creek, SC USA (EM92xx)   EC Berkeley County ARRL  TAPR
> -----------------------------------------------------------------
-------
>
>
>
> ---
> You are currently subscribed to aprssig as: pkarp@conwaycorp.net
> To unsubscribe send a blank email to
leave-aprssig-842K@lists.tapr.org
> Questions regarding the SIG go to the SIG administrator:
wa1lou@tapr.org
>
>
>



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```

---

410. [aprssig] Re: Draft Emergeny Operations Plan for APRS

From: Bob Bruninga <bruninga@usna.edu>
Date: Sun, 17 Nov 2002 22:23:57 -0500 (EST)
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: TAPR APRS Special Interest Group <aprssig@lists.tapr.org>
Message-ID: <LYR842-107563-2002.11.17-22.08.02--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

```
On Sun, 17 Nov 2002, Spider wrote:

> ... APRS with a wall projector is how we will use ours here in our EOC
> where we will focus in on the area of concern....showing all the data we
> can possibly provide to the EOC and Emergency Manager so that they have
> the "best" picture of what is going on, who is where, weather, etc., and
> then they can ingest whatever they want to.

I would be careful of focusing all your energies on this approach.  The
wall projector is absolutely impressive... but practically useless for
real work.  It is comparable to power-point for giving high level
briefings, but what is going on in an EOC has FAR to many different
aspects and what needs to be ZOOMED in on in one instant for one operator
is totally differenmt for another operator.

The GOAL of APRS in an EOC should be to have a MAP/MESSAGE display in
front of every radio operator to be able to focus on what his immediate
comunications needs are...  ALl he needs to understand is how to move the
map and zoom...

> An EM is not going to take the time to "track".  The only one tracking done
> will be the APRS operator.  In fact, the operator will be busier than two
> rats in a sock posting objects, shelters, gathering data to post, etc.

Nor will he have time to focus the large-screen projector on the
individual needs of the 20 operators in the room...  So YES, plan on a
projector, but DONT PLAN ON IT BEING OF ANY VALUE TO THE COMMUNICAIONS
PEOPLE.

They must have individual displays at each COMM position for that. That is
why APRSdos has ZIPlan mode so that every laptop in the room can be
```

clip-leaded (Pins 2 and 5 of the serial port) to a single run of zip cord connected to ONE TNC/RADIO so that every laptop can independently see what each individual operator needs to see...

See README\ZIPLAN.TXT in every version of APRSdos...

I have used APRS at such facilities, and the large screen display is absolutely impressive... but when it boils down to actually helping the communications operators get the tactical picture of what is going on, it really does not accommplish that in the long run...

de WB4APR, Bob

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---

411. [aprssig] Re: AFTER 30 DAYS

From: Bob Bruninga <bruninga@usna.edu>
Date: Sun, 17 Nov 2002 22:40:16 -0500 (EST)
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: TAPR APRS Special Interest Group <aprssig@lists.tapr.org>
Message-ID: <LYR842-107566-2002.11.17-22.24.27--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

On Sun, 17 Nov 2002, John Becker wrote:

> After 30 days of monitoring 144.390 the only station
> copied direct was PCSAT-11....
>
> Does this mean that I' am toooooooo far in the woods?

Yes, and since no more than a half dozen people have ever asked for the unpublished uplink for the PCsat-11 digipeater that comes down on 144.39, you rearely see anyone there...

Bob
> > John, W0JAB
>
>
> ---
> You are currently subscribed to aprssig as: bruninga@usna.edu
> To unsubscribe send a blank email to leave-aprssig-842K@lists.tapr.org
> Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org
>

de WB4APR@amsat.org, Bob

PCsat WEB page	http://www.ew.usna.edu/~bruninga/pcsat.html
ISS-APRS FAQ:	http://www.ew.usna.edu/~bruninga/iss-faq.html
CUBESAT Designs	http://www.ew.usna.edu/~bruninga/cubesat.html
APRS LIVE pages	http://www.ew.usna.edu/~bruninga/aprs.html
APRS SATELLITES	http://www.ew.usna.edu/~bruninga/astars.html
MIM/Mic-E/Mic-Lite	http://www.toad.net/~wclement/bruninga/mic-lite.html

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---

412. [aprssig] Re: FT-1500m Mounting Insights

From: "Ev Tupis (W2EV)" <w2ev@arrl.net>
Date: Sun, 17 Nov 2002 22:43:58 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-107567-2002.11.17-22.34.45--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

> The heavy duty velcro (both sides plastic, not the plastic and fabric type)
> available at Radio Shack and elsewhere. Holds almost anything and with a
> screwdriver you can pry the items apart if needed.

Ken and others have noted this interesting solution several times. I'm worried about heat dissipation issues, given the lowered airflow that this solution offers. Any comments on this?

Ev, W2EV

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413. [aprssig] Re: Tactical call signs?

From: Phil Reed <preed@dnaco.net>
Date: Sun, 17 Nov 2002 22:47:58 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-107568-2002.11.17-22.45.37--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

At 10:09 PM 11/16/2002 +1100, Hamish Moffatt wrote:
>On Mon, Nov 11, 2002 at 12:28:50PM -0500, Phil Reed wrote:
> > Remember, what gets carried on the APRS data stream is *not* what the FCC
> > looks at for legal identification purposes. Amateur radio regulations do
> > not apply to the Internet.
>
>No, but they apply to traffic that is retransmitted by another IGATE.

In the States, the traffic transmitted by the other IGATE would be sent as traffic under the license of the person running the IGATE radio. That person would be obligated to make sure that the transmission meets the regulations. Included in that is the necessity for that person to make sure that *his* transmissions are identified properly with *his* callsign as appropriate. While the CONTENT may come from me, the TRANSMISSION comes from the IGATE owner. The TRANSMISSION is what must be identified (at least under US regulations).

>The ACA (regulatory authority in Australia) only permits me to transmit
>packets which are from licensed amateurs and I have no way of knowing
>that "TAC-1" is a licensed amateur.

In that case, then you would perhaps be in a better situation if you did not transmit messages that came from a station using a tactical callsign.

(Your situation could generate considerable headscratching on this end, as I try to figure out the ins-and-outs of another country's amateur radio rules. But the result is really simple: I'm responsible for making my transmissions meet the requirements of the laws and regulations for the country I'm in. I cannot be responsible for the actions of another amateur, especially one in another country with different laws where I don't know the laws and they aren't my laws anyway. Sorry.)

...phil / w8sca

"For a list of all the ways technology has failed
to improve the quality of life, press 3."

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414. [aprssig] Houston TX APRS

From: Bob Bruninga <bruninga@usna.edu>
Date: Sun, 17 Nov 2002 23:03:51 -0500 (EST)
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-107569-2002.11.17-22.48.24--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Just a Houston, TX data point:

I was very pleased to have APRS HT coverage around NASA JSC, but I was never able to get into a digi from the International Airport north of town...

Just thought I'd mention it...

In todays world of travel (and "terrorism" targets), the Airports should be a high priority for at least a RELAY (callsign substituting) digi..

not complaining at all.... keep u p the good work!

de WB4APR@amsat.org, Bob

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Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

415. [aprssig] Re: findU WAP pages

From: Steve Boyle <kd6wxd@mindspring.com>
Date: Sun, 17 Nov 2002 21:32:11 -0800
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-107583-2002.11.18-00.15.02--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

For those of you who don't have a WAP enabled phone and might be curious on what
this looks like. Goto:

http://www.DigitalAirways.com/DAW/appletpage.asp
(You need to use IE 5.5 or greater to get the Javascript to run correctly.)

and enter:

http://wap.findu.com/find2?k4hg

and press the "OK" button...

Now you'll be a WAPen!

Steve
kd6wxd

Steve Dimse wrote:

> I've had a few people mention over the years they could not get the WAP pages on
> findu to work on their cell phones. Since they worked fine on mine, I never had
> the opportunity to debug them (nor did I have much incentive). Thanks to the
> work of Mark, KD7RHL, I think the problem has been tracked down and fixed.
> Basically, I used HDML for the pages, while some phones only do WML. I have an
> alternative page for the WML version of the find page:
>
> http://wap.findu.com/find2?k4hg
>
> Both versions work fine on my phone. I'm considering moving the WML to the
> primary page, I'd like anyone using the WAP pages to check this new URL, and
> report to me if the above URL does not work for you. Otherwise in a few days
> I'll switch the find program, and convert the others to WML as well.
>
> For those who have an internet capable phone and have not tried it, please try
> both versions. The original URL is:
>
> http://wap.findu.com/find?k4hg
>
> Steve K4HG
>
> ---
> You are currently subscribed to aprssig as: kd6wxd@mindspring.com
> To unsubscribe send a blank email to leave-aprssig-842K@lists.tapr.org
> Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

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Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

416. [aprssig] Re: Draft Emergeny Operations Plan for APRS

From: "Chris van Gorp" <pd0rhm@amsat.org>
Date: Mon, 18 Nov 2002 1:46:55
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-107589-2002.11.18-02.31.05--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

On 11/17/02, "Bob Bruninga <bruninga@usna.edu>" wrote:
> On Sun, 17 Nov 2002, Jack Smith wrote:

```
>
> > I've just posted a work in progress on this.  I've only posted the APRS
> > Appendix here so far.  Still have the other section in the oven, so to
> > speak.  Have a look at it and let me know what you think.
> >
> > http://www.qsl.net/ke4lwt/APRS_appendix.doc
Hi Jack,
 I would leave out the hyphen in the tactical callsigns
 It might affect messaging...
> >
>
> In section 5.3.1 I think the path of RELAY,WIDE2-2 is a good "initial"
> choice for mobiles and in some cases home stations, but it should be
> followed with the advice to change it to DIGIX,WIDE2-2 for fixed stations
> once a path via DIGIX has been verified.
Hi Bob,
  Why not leave the path generic? what if DIGIX is going down?
>
> or something like that...
>
> bob
Good luck with the plan!!
73 Chris PD0RHM

---
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```

417. [aprssig] Re: Kenwood D700 and GPS mapping

From: "Darryl Smith" <Darryl@radio-active.net.au>
Date: Mon, 18 Nov 2002 20:26:15 +1100
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-107590-2002.11.18-04.11.01--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

```
Henk de Groot <henk.de.groot@hetnet.nl> commented

>I have no experience in PIC programming, maybe I should study it some
day.
>I don't know how hard it is to make a small NMEA to GARMIN two-way
>converter, but it looks quite feasible to me. Problem of that solution
is
>that it is yet another small device to carry with you and which
requires
>power somehow.

Well... I am working on that. I have just managed to get a PIC to upload
a position to the eTrex. I now need to write some parsing code... My
first task is very much an UPLOAD of waypoints, since I need that for my
anti-tracker.

I am unsure if the code will fit in a 16F628... I may need to go for
something a bit beefier. I expect to have the basic parsing code dome
sometime later this evening. I need to think about a revenue stream for
myself for some of this work - I needed to buy an eTrex especially so I
could write this code. I at least want to break even, particularly since
I don't have a day job any more.

Once I have this code I will integrate it with the anti-tracker and
finish that project - and get a version one PCB made up.

Darryl

---------
Darryl Smith, VK2TDS   POBox 169 Ingleburn NSW 2565 Australia
Mobile Number 0412 929 634 [+61 4 12 929 634 International]
Darryl@radio-active.net.au | www.radio-active.net.au



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```

418. [aprssig] MAPS showing I-16 Coverage Macon - Savannah

From: John Kraus <jfkraus3@cox.net>
Date: Mon, 18 Nov 2002 06:07:00 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-107593-2002.11.18-05.51.12--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

```
To all plus abc( changes made to foil Lyris and allow a better subject line
hehe)

xyz Below is a link to some images I have put up showing the coverage along
I-16 and in the Savannah  area.  (Thanks Brent for fixing the file;
obviously it worked).  The problem is not as bad as some have indicated.  I
was very impressed with the coverage from Metter south.  There is only a
section from Dublin through Soperton that lacks coverage.

I have the computers/TNCs  ready to install Digi_Ned digis. GAARES just
needs some contacts in these cities and some RF equipment and we can plug
the holes. So if you know any hams in these cities make them aware of the
need and have them contact me.

http://members.cox.net/kc4zgq/trip1.jpg

http://members.cox.net/kc4zgq/trip2.jpg

http://members.cox.net/kc4zgq/trip3.jpg

---
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419. [aprssig] Re: Tactical call signs?

From: Hamish Moffatt <hamish@cloud.net.au>
Date: Mon, 18 Nov 2002 22:54:29 +1100
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: TAPR APRS Special Interest Group <aprssig@lists.tapr.org>
Message-ID: <LYR842-107597-2002.11.18-06.38.35--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

```
On Sun, Nov 17, 2002 at 10:47:58PM -0500, Phil Reed wrote:
> (Your situation could generate considerable headscratching on this end, as
> I try to figure out the ins-and-outs of another country's amateur radio
> rules. But the result is really simple: I'm responsible for making my
> transmissions meet the requirements of the laws and regulations for the
> country I'm in. I cannot be responsible for the actions of another amateur,
> especially one in another country with different laws where I don't know
> the laws and they aren't my laws anyway. Sorry.)

Fair enough. But you could help the situation by not using unnecessary
tactical callsigns.

Third party traffic agreements differ from country to country and we
should be aware of that too. For example, I don't believe Australia has
one with the USA!

Hamish
--
Hamish Moffatt VK3SB <hamish@debian.org> <hamish@cloud.net.au>

---
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```

420. [aprssig] Re: Draft Emergeny Operations Plan for APRS

From: "Jack Smith" <jrs38801@bellsouth.net>
Date: Mon, 18 Nov 2002 06:49:35 -0600
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-107599-2002.11.18-07.33.43--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

```
Good point.  I'll take them out.

Jack KE4LWT

>Hi Jack,

>I would leave out the hyphen in the tactical callsigns It might affect
messaging...
```

>Good luck with the plan!!
>73 Chris PD0RHM

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---

421. [aprssig] RE: Draft Emergency Operations Plan for APRS

From: "Ronald Reams" <wa4mjf@worldnet.att.net>
Date: Mon, 18 Nov 2002 07:59:44 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: "APRS Sig" <aprssig@lists.tapr.org>
Message-ID: <LYR842-107600-2002.11.18-07.44.36--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Well, the clubs I've been in, the Chairman of Repeater committee
has say so over repeater operations (other than legal matters) of the club's
repeaters.   Often, the trustee is not even on the committee.

Same-same Field Day, etc. The Trustee doesn't dictate anything, other
than that the FCC Regulations be followed. There is no requirement
that he/she (not the pervert kind) be present.

No such power is given in Part 97.

Must be different where you live.

73 de Ronnie

----- Original Message -----
From: "Gerry Creager N5JXS" <gerry.creager@tamu.edu>
To: "Ronald Reams" <wa4mjf@worldnet.att.net>
Sent: Monday, November 18, 2002 07:36
Subject: Re: [aprssig] RE: Draft Emergency Operations Plan for APRS

While you could be replacedon a whim, you, as trustee, have the legal
right and responsibility to make such a decision, especially on short
notice, like an emergency...

gerry

Ronald Reams wrote:
>
> As a trustee for a club license, I can tell you, that other
> than makin' legal calls (since my personal ticket on the
> line), I have no more authority than any other club
> member. A trustee can be changed for any
> reason or no reason.
>
> If the repeater has a trustee, then it is a club station.
> I would speak to some of the officers.
>
> Just an idea.
>
> 73 de Ronnie
>
>
> ----- Original Message -----
> From: "Jack Smith" <jrs38801@bellsouth.net>
> To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
> Sent: Sunday, November 17, 2002 15:04
> Subject: [aprssig] RE: Draft Emergency Operations Plan for APRS
>
>
> Roy,
>
> Do you think it would be best to just have a separate reference sheet to
> address the Hardware/Software? I would like to have it mentioned in some
> fashion for those who are still in the process of researching it.

>
> I know what you mean about the Tactical Callsigns, but from last weekend
> when we had to constantly ask people where they were until we finally got
> them all on the same sheet, so to speak, I think it's a problem that has
to
> be addressed. I just don't know the best way to do it. I'm more than
open
> to suggestions on this. Matter of fact, I'm begging for help! LOL
>
> As far as the MIC-E capable repeaters go, I usually carry a computer with
> UI-View and AGW-PE plus a couple of radios and scanners. What we've done
in
> the past is get permission from the repeater trustee to have folks use it
>   ^^^^^
>
>
> for dual purpose voice/burst after voice and use the scanner to "grab" the
> data, and then have UI-View digi it back out 144.39. Can really help
extend
> the range of mobile/remote APRS stations in emergencies. But, I'm open to
> ways to address this, too.
>
> Jack KE4LWT

--
Gerry Creager -- gerry.creager@tamu.edu
Network Engineering, Academy for Advanced Telecommunications
Texas A&M University, College Station, TX
Office: 979.458.4020 FAX: 979.847.8578 Cell: 979.229.5301
Page: 979.228.0173 -or- gcreager@my2way.com

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422. [aprssig] Re: Draft Emergeny Operations Plan for APRS

From: "Spider" <spider@rivcom.net>
Date: Mon, 18 Nov 2002 06:23:43 -0700
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-107602-2002.11.18-08.08.01--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

----- Original Message -----
From: "Bob Bruninga" <bruninga@usna.edu>
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Sent: Sunday, November 17, 2002 8:23 PM
Subject: [aprssig] Re: Draft Emergeny Operations Plan for APRS

> I would be careful of focusing all your energies on this approach. The
> wall projector is absolutely impressive... but practically useless for
> real work.

Gee Bob! We used it twice now in an activated EOC and it was the only thing
that worked at one point.
I do not know how you come off saying this, but in our application, it is
simply not true.
Fact is, the plan was modeled, in a far less fashion, from a tactical field
command post from the USAF.

 It is comparable to power-point for giving high level
> briefings, but what is going on in an EOC has FAR to many different
> aspects and what needs to be ZOOMED in on in one instant for one operator
> is totally differenmt for another operator.

Bob, every EOC can be and normally is different, based on need, room,
personnel, etc.
We use it as a picture of the entire scene.

>
> The GOAL of APRS in an EOC should be to have a MAP/MESSAGE display in
> front of every radio operator to be able to focus on what his immediate
> comunications needs are

Depends what you are using it for. To me, this would be a waste of a

limited resource
for our EOC. And, it does not relect what an EM would use it for. Again,
there is no such
thing as a "standardized" EOC and that has never been a requirement of an
EOC to conform
to any such standardized plan. (Ref: FEMA/EMI's IS-275 EOC
Design/Ops/Management/Excercises)

> > An EM is not going to take the time to "track". The only one tracking
done
> > will be the APRS operator. In fact, the operator will be busier than
two
> > rats in a sock posting objects, shelters, gathering data to post, etc.
>
> Nor will he have time to focus the large-screen projector on the
> individual needs of the 20 operators in the room... So YES, plan on a
> projector, but DONT PLAN ON IT BEING OF ANY VALUE TO THE COMMUNICAIONS
> PEOPLE.

It's use is NOT FOR THE COMMUNICATIONS PEOPLE, in our case. We use it for
providing the EOC personnel
with all the data we can, as I said earlier. As operators, our mitagation
procedures insured we are getting them the data they need. How they ingest
it, no one can know until that point in time.
Our EM/Team will tell the radio operators where they need to be and then
they would take it from there and do the best they can. APRS would serve no
purpose for us in that application.

Your plan sounds quite impressive, Bob but totally unpractical in 99% of
small town USA where people and funding is very limited.

Jim, WA6OFT

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423. [aprssig] Re: Tactical call signs?

From: "Patrick Karp" <pkarp@conwaycorp.net>
Date: Mon, 18 Nov 2002 07:40:30 -0600
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-107603-2002.11.18-08.24.03--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

> On Sun, Nov 17, 2002 at 10:47:58PM -0500, Phil Reed wrote:
> > (Your situation could generate considerable headscratching on this
end, as
> > I try to figure out the ins-and-outs of another country's amateur
radio
> > rules. But the result is really simple: I'm responsible for making
my
> > transmissions meet the requirements of the laws and regulations
for the
> > country I'm in. I cannot be responsible for the actions of another
amateur,
> > especially one in another country with different laws where I
don't know
> > the laws and they aren't my laws anyway. Sorry.)

Yes that about sums it up!

> Fair enough. But you could help the situation by not using
unnecessary
> tactical callsigns.
>
> Third party traffic agreements differ from country to country and we
> should be aware of that too. For example, I don't believe Australia
has
> one with the USA!

There are over 4000 APRS station in the world. It is impossible to
please everyone.
However the programmers are working hard to do so.   In this light
they have been
Creating filters most of which will filter out callsigns and tac
calls. I understand your
problem. Unfortunately there is no way for you to fully understand
the reasoning
behind the way someone sets up there station. There for the best you
can expect is
to setup your station appropriately. If it means using a filter to
remove that station then
Remove it.   It is good to bring subjects like this up. It allows
the readers to look at
there setup in the big picture.
73
Pat

---
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424. [aprssig] Re: Draft Emergeny Operations Plan for APRS

From: Bob Bruninga <bruninga@usna.edu>
Date: Mon, 18 Nov 2002 12:37:35 -0500 (EST)
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: TAPR APRS Special Interest Group <aprssig@lists.tapr.org>
Message-ID: <LYR842-107633-2002.11.18-12.22.25--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

On Mon, 18 Nov 2002, Chris van Gorp wrote:

Bob said:
> > In section 5.3.1 I think the path of RELAY,WIDE2-2 is a good "initial"
> > choice for mobiles and in some cases home stations, but it should be
> > followed with the advice to change it to DIGIX,WIDE2-2 for fixed stations
> > once a path via DIGIX has been verified.

> Why not leave the path generic? what if DIGIX is going down?

Actually, I think you are right, and Bill Vodall also called me on that.
I DO think that the best path for fixed stations is WIDE,WIDEn-N for
several reasons:

1) It is not dependent on any given hardware path
2) It allows for flexibility in operations
3) It launches packets in possibly opposite directions more efficiently

The only disadvantage is that it might generate some extra dupes. So to
be politically correct, I recommended switching to DIGIx,WIDEn-N to cut
down on that possibilty when used by non-skilled APRS operators who are
paying no attention to their load on the network...

But WIDE,WIDEn-N is the best path as long as the user is sensitive to, and
monitors his impact on the system..

Thanks for raising this point...

Bob, WB4APR

---
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425. [aprssig] Re: Kenwood D700 and GPS mapping

From: larry Also <larrytooalso@yahoo.com>
Date: Mon, 18 Nov 2002 09:44:51 -0800 (PST)
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-107643-2002.11.18-12.29.04--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

If you update the software, you may also need to update any associated programs, like PCX if you are using them.
 Don <kyham@alltel.net> wrote:For many Garmin units software updates are available from their site at www.garmin.com.

Don K9SOA (EM77EX)
HF-2m-70cm-APRS
www.k9soa.net

Home of JEANNIE
The House That Listens
As seen on HGTV's Dream Builder Show
and the Featured Home of the Month
Home Automation magazine
March 2002 issue

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Do you Yahoo!?
Yahoo! Web Hosting - Let the expert host your site

426. [aprssig] Re: Draft Emergeny Operations Plan for APRS

From: Bill Vodall - WA7NWP <wa7nwp@yahoo.com>
Date: Mon, 18 Nov 2002 10:38:12 -0800
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-107649-2002.11.18-13.27.46--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

> > Why not leave the path generic? what if DIGIX is going down?
>
>Actually, I think you are right, and Bill Vodall also called me on that.
>I DO think that the best path for fixed stations is WIDE,WIDEn-N for
>several reasons:
>
>   1) It is not dependent on any given hardware path
>   2) It allows for flexibility in operations
>   3) It launches packets in possibly opposite directions more efficiently

4) A collision at the sole DIGIx machine might kill the packet entirely. With a bit of redundancy in the first hop, the packet is more likely to successfully enter the network.

5.) Murphy's law. Even if your DIGIx is the most reliable digi in your network, the one time there's something serious happening and you really need it, then it will be down. Better to have extra packets now when it's not critical then to have no packets when it is critical.

>The only disadvantage is that it might generate some extra dupes.

If the Dupe-elimination software in the digi's is not recognizing the duplicates due to the different "first digi" field - then the digi's should be fixed.

>be politically correct, I recommended switching to DIGIx,WIDEn-N to cut

I suggest, off the record, that it's better to use "WIDE,WIDE2-2" then to use the PNW official "DIGIx,WIDE3-3".   The shorter hop count should more then make up for the extra duplicate packets.

>But WIDE,WIDEn-N is the best path as long as the user is sensitive to, and
>monitors his impact on the system..

Yes. The more generic we make the system the better.

Note: A plain WIDEn-N path for base stations is 8 bytes more efficient, but then we lose the path origination information.   I've been gathering data based on path origination and it makes for some very interesting info.   For example, here's the list of the actual stations first-digi'ed by my Digi_ned node in the past day.

   http://www.jnos.org/javAPRS/tnc/REDMND.tnc

Having the data allows plotting it on JavAPRS to compare it to the coverage circle.

>Bob, WB4APR

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427. [aprssig] RE: Houston TX APRS

From: "Joe Dorn" <joedorn@stonemedia.com>
Date: Mon, 18 Nov 2002 13:48:32 -0600
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-107667-2002.11.18-14.33.37--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Bob...

Welcome to Texas APRS. I have traveled extensively over the state (and our neighboring Louisiana) and have been frustrated once I crossed to the east of IH-45 (the Houston to Dallas Interstate). The area is an APRS desert; Arkansas was also until recently. Once you cross the Mississippi, there are not many gaps.

My travels have taken me all over the eastern part of the country and before I leave, I give my kids the hotels and general routes we will be taking. I drive hard but do not stick to a planned route (I love back roads and secondary highways) so to assist them in case of an emergency I send them the findu URL to track me and it works great except in East Texas and Louisiana. Bush International is the southwestern corner of this dead area....

We also have very poor coverage along the middle Texas Gulf Coast, an area very prone to hurricanes. There is almost nothing between Houston and the southern tip of Texas. The inland area is very sparsely populated, one of the counties (part of the King Ranch) has less than 500 residents, but the coast has several significant population areas including Corpus Christi.

Joe Dorn, W5VEX, Belton, Texas

-----Original Message-----
From: bounce-aprssig-23581@lists.tapr.org [mailto:bounce-aprssig-23581@lists.tapr.org]On Behalf Of Bob Bruninga
Sent: Sunday, November 17, 2002 10:04 PM
To: TAPR APRS Special Interest Group
Subject: [aprssig] Houston TX APRS

Just a Houston, TX data point:

I was very pleased to have APRS HT coverage around NASA JSC, but I was
never able to get into a digi from the International Airport north of
town...

Just thought I'd mention it...

In todays world of travel (and "terrorism" targets), the Airports should
be a high priority for at least a RELAY (callsign substituting) digi..

not complaining at all.... keep u p the good work!

de WB4APR@amsat.org, Bob

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428. [aprssig] ShineMicro tnc

From: "Jim Cowell" <jc@warwick.net>
Date: Mon, 18 Nov 2002 14:9:14
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>

Message-ID: <LYR842-107670-2002.11.18-14.53.19--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

```
Does anyone know what's up with ShineMicro? I ordered one of there TNCs for
my Handspring PDA. That was in early September. I expected a 30 day back
order but now it's over two and and a half months. They don't respond to
email and I can't find a phone number. I'm chomping at the bit to try
PocketAPRS. Any ideas? Thanks,JC

---
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429. [aprssig] RE: Houston TX APRS

From: "Ken Patterson" <kenp@etex.net>
Date: Mon, 18 Nov 2002 20:25:05 -0000
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-107673-2002.11.18-15.09.09--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

```
Joe....you're right.

I live in NorthEast Texas, between I-20 & I-30. I & others have tried to get
some clubs in this area interested. A digi was unofficially put on the air
in Tyler about 18 months ago. However, their digi'ed packets would rarely
make it to the nearest I-gate in Dallas or Lufkin. I have not heard the
Tyler digi or seen it on findu for months now.

I have my backyard digi (N5EQT-1) on the air here at home. It covers about
half of the county. I would move it to a better site if there were one
available. As I said above, the local clubs aren't interested in sponsoring
a digi and tower space for avocational use (read: free) is all but gone
since the tower companies started buying towers from cell phone companies,
2-way shops, etc.

I guess it's a case of good news & bad news......good in that it is really
quite around here, RF wise......bad in that it is really quite around here,
RF wise.

de Ken,
N5EQT


----- Original Message -----
From: "Joe Dorn" <joedorn@stonemedia.com>
To: "TAPR APRS Special Interest Group" <aprssig>
Sent: Monday, November 18, 2002 19:48
Subject: [aprssig] RE: Houston TX APRS


> Bob...
>
> Welcome to Texas APRS. I have traveled extensively over the state (and our
neighboring
> Louisiana) and have been frustrated once I crossed to the east of IH-45
(the Houston to
> Dallas Interstate). The area is an APRS desert; Arkansas was also until
recently. Once you
> cross the Mississippi, there are not many gaps.
>
> My travels have taken me all over the eastern part of the country and
before I leave, I
> give my kids the hotels and general routes we will be taking. I drive hard
but do not
> stick to a planned route (I love back roads and secondary highways) so to
assist them in
> case of an emergency I send them the findu URL to track me and it works
great except in
> East Texas and Louisiana. Bush International is the southwestern corner of
this dead
> area....
>
> We also have very poor coverage along the middle Texas Gulf Coast, an area
very prone to
> hurricanes. There is almost nothing between Houston and the southern tip
of Texas. The
> inland area is very sparsely populated, one of the counties (part of the
King Ranch) has
> less than 500 residents, but the coast has several significant population
```

areas including
> Corpus Christi.
>
>
> Joe Dorn, W5VEX, Belton, Texas
>
> -----Original Message-----
> From: bounce-aprssig-23581@lists.tapr.org
[mailto:bounce-aprssig-23581@lists.tapr.org]On
> Behalf Of Bob Bruninga
> Sent: Sunday, November 17, 2002 10:04 PM
> To: TAPR APRS Special Interest Group
> Subject: [aprssig] Houston TX APRS
>
> Just a Houston, TX data point:
>
> I was very pleased to have APRS HT coverage around NASA JSC, but I was
> never able to get into a digi from the International Airport north of
> town...
>
> Just thought I'd mention it...
>
> In todays world of travel (and "terrorism" targets), the Airports should
> be a high priority for at least a RELAY (callsign substituting) digi..
>
> not complaining at all.... keep u p the good work!
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> de WB4APR@amsat.org, Bob
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--V24rS82I023jbU9TXwi195ke7--
```

431. Your confirmation is needed (ok 842)

From: Lyris <unsubscribe-confirm@lists.tapr.org>
Date: Mon, 18 Nov 2002 15:28:48 -0500
To: lyris.aprssig@tapr.org
Message-ID: <LYR842-107686-2002.11.18-15.28.48--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

```
Your email address 'lyris.aprssig@tapr.org' has been submitted to be
unsubscribed from the 'aprssig' mailing list.

This unsubscribe command requires your confirmation that you want to be
unsubscribed.

To confirm that you do want to unsubscribe, reply to this message so that
the words "ok 842" appear somewhere on the subject line.

Make sure that your reply message is addressed to
unsubscribe-confirm@lists.tapr.org

You will receive notification that your confirmation has been received, and
that you have been unsubscribed.

If you do not want to unsubscribe, do nothing.  You will be kept on the
mailing list.

---

Return-Path: <bounce-message-31298@lists.tapr.org>
Received: from lists.tapr.org ([204.17.217.24]) by lists.tapr.org with SMTP (Lyris Server version 3.0);
Mon, 18 Nov 2002 15:28:47 -0500
Message-Id: <LYR31298-107685-2002.11.18-15.28.45--leave-aprssig-842K#lists.tapr.org@lists.tapr.org>
X-Lyris-Type: subscribed-already
From: Lyris <lyris@lists.tapr.org>
Reply-To: Lyris <lyris@lists.tapr.org>
To: aprssig-request
Subject:
Date: Mon, 18 Nov 2002 15:28:45 -0500

# Mail sent to leave-aprssig-842k was converted to these commands:
unsubscribe aprssig lyris.aprssig@tapr.org confirm
end

# This is the text of the message that triggered the action:

Return-Path: <bounce-message-31298@lists.tapr.org>
Received: from lists.tapr.org ([204.17.217.24]) by lists.tapr.org with SMTP (Lyris Server version 3.0);
Mon, 18 Nov 2002 15:28:47 -0500
Message-Id: <LYR31298-107685-2002.11.18-15.28.45--leave-aprssig-842K#lists.tapr.org@lists.tapr.org>
X-Lyris-Type: subscribed-already
From: Lyris <lyris@lists.tapr.org>
Reply-To: Lyris <lyris@lists.tapr.org>
To: leave-aprssig-842K@lists.tapr.org
Subject: Re: your subscribe request
Date: Mon, 18 Nov 2002 15:28:45 -0500

Sorry, but the email address 'leave-aprssig-842K@lists.tapr.org' is already a
member of 'aprssig'.

Because you are already subscribed, Lyris did not subscribe you again.
```

432. (no subject)

From: (unknown sender)
Date: (date unavailable)
Rendered body type: text/plain

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Content-Transfer-Encoding: base64
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```

```
--SB2d3g626c809--
```

433. [aprssig] Re: FT-1500m Mounting Insights

From: "Richard Amirault" <ramirault@erols.com>
Date: Mon, 18 Nov 2002 17:34:31 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-107695-2002.11.18-17.18.48--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

```
I'm puzzeld why you think attaching a Yaesu 1500 to a KPC-3 (that *is* what
we're talking about, isn't it) using velcro would result in a reduced
airflow.

I would assume that you would mount the Yaesu on top of the KPC-3, not the
other way around.

Richard Amirault                                N1JDU                Boston,
MA, USA
www.erols.com/ramirault          "Go Fly A Kite"
----- Original Message -----
From: "Ev Tupis (W2EV)" <w2ev@arrl.net>
Subject: [aprssig] Re: FT-1500m Mounting Insights


> > The heavy duty velcro (both sides plastic, not the plastic and fabric
type)
> > available at Radio Shack and elsewhere.  Holds almost anything and with
a
> > screwdriver you can pry the items apart if needed.
>
> Ken and others have noted this interesting solution several times.  I'm
worried
> about heat dissipation issues, given the lowered airflow that this
solution
> offers.  Any comments on this?



---
You are currently subscribed to aprssig as: lyris.aprssig@tapr.org
To unsubscribe send a blank email to leave-aprssig-842K@lists.tapr.org
Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org
```

---

434. [aprssig] PCsat

From: "Reid Crowe" <kc0idi@techie.com>
Date: Mon, 18 Nov 2002 18:27:02 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-107701-2002.11.18-18.11.07--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

```
How long is PCsat expected to stay up?  If/when it comes down are there plans to put another one up?

73 de Reid, KC0IDI
------------------------
Please reply to kc0idi@arrl.net

--
___________________________________________________________
Sign-up for your own FREE Personalized E-mail at Mail.com
http://www.mail.com/?sr=signup


---
You are currently subscribed to aprssig as: lyris.aprssig@tapr.org
To unsubscribe send a blank email to leave-aprssig-842K@lists.tapr.org
Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org
```

---

435. [aprssig] Re: FT-1500m Mounting Insights

From: "Ev Tupis (W2EV)" <w2ev@arrl.net>
Date: Mon, 18 Nov 2002 18:47:16 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-107703-2002.11.18-18.31.51--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

```
> I'm puzzeld why you think attaching a Yaesu 1500 to a KPC-3 (that *is* what
> we're talking about, isn't it) using velcro would result in a reduced
> airflow.
>
> I would assume that you would mount the Yaesu on top of the KPC-3, not the
> other way around.

Without a fan, I'm assuming that the cooling is done by convection.  Blocking
airflow from "under" seems detrimental.  Unfounded concern?

Ev, W2EV


---
```

You are currently subscribed to aprssig as: lyris.aprssig@tapr.org
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Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

436. [aprssig] Re: Solar Power for a Digi?

From: "Kriss Alan Kliegle" <kliegle@rcn.com>
Date: Mon, 18 Nov 2002 18:20:36
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-107705-2002.11.18-19.04.42--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Greetings from not so sunny southern NH!

I've built and maintain the club's 2M repeater and my own APRS WX digi here in southern NH. The repeater runs from a bank of deep cycle golf cart batteries and high quality solar chargers (ie Morning Star series) that go into PWM when topping charge commences. The same system runs my APRS WX digi.These batteries are rated at 250 A/Hr a piece at 6 V. So a series parallel combination gave me 500 A/Hrs.
Total consumption of repeater and WX Digi is about .5 (1/2) amp during idle times! On cloudy days, the panels actually put out 1.3 amps... still a net positve gain. See pix at http://w1wqm.org of repeater

We also have a remote RX input for the repeater on a water tower, it too is solar powered and also has a Digi co-located. This one presently has a 64 watt flexible panel (Solarex) and a 30+ A/hr gel cell. Rigs installed are FT-530 for the remote RX for repeater and an HTX-202 for APRS w/a KPC-3.

My experiences....
Use modern HT's with low power consumption when in RX mode. (Yes, I know about those in RF jungles who say nay! We've had that discussion here B4!)
Use big solar panels, they even charge my two sites on cloudy days! I've purchased only 3 new ones since starting this project. All others have been found in want ad's, auctions, and word of mouth sales.
Golf cart batteries need water about once a month, so very remote sites require more expensive batteries that require little or no water.
Use chargers with PWM to help give longer life to batteries.
73 de Kriss
KA1GJU
EC East Rockingham Co NH

---
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437. [aprssig] Meteor Mode Tonight

From: "Ev Tupis (W2EV)" <w2ev@arrl.net>
Date: Mon, 18 Nov 2002 20:55:32 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-107713-2002.11.18-20.40.30--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

147.585 FM
 53.530 FM
 28.128 USB

All @ 1200 Baud

Ev, W2EV

ps...more information about to be sent to the BEACONet@yahoogroups list

---
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438. [aprssig] W7LUS - Back "On the Road Again"!

From: "W7LUS - Peter" <w7lus@winlink.org>
Date: Mon, 18 Nov 2002 20:4:44
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-107714-2002.11.18-20.48.50--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Yeah, I couldn't stay away. As some of you know I sold the BIG truck and went sailing. Well after 3 1/2 years of playing boat I ran out of money and reality set in! I am back right where I was before, well almost, I am back with North American Van Lines, back in the exhibit group, and back with my old dispatcher, Lois Clark! Whata name...but the best dispatcher I have ever experienced! The only thing not the same is the truck I am driving and the Aprs setup. I will, however, order another even better truck then the last (you can view it and the boat at www.qsl.net/w7lus)probably within 6 months. Another "big bunk" for sure. The Aprs set up for now is a PCMCIA card by Merlin that is offered by Sprint and is known as an "air card". It is for data only and has it's own phone number to ID it. Sprint is of course the internet provider. Presently I am using a port on Aprs internet that doesn't not send any data to me but receives mine. However someone, WF6H, sent me a few mwssage lines but I never got any acks back from him because he was to many hops away, I guess. If someone can find and send him a one liner explaining this it would be appreciated. At least I think I received those line real time unless they got in outer space and got hung in my computer...hmmm that would be spooky!

Eventually I'll probably hook up the HF and VHF when the new truck arrives.

Looking forward to sitting down having an eyeball with some of you again.

So i n a nut shell...I'm baaaaack!

Peter - W7LUS-0
w7lus@winlink.org
w7lus@loewy.net
http://www.qsl.net/w7lus

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---

439. [aprssig] Re: FT-1500m Mounting Insights

From: WA8LMF2@aol.com
Date: Mon, 18 Nov 2002 21:49:07 EST
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: w2ev@arrl.net
Message-ID: <LYR842-107718-2002.11.18-21.33.22--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

In a message dated 11/18/2002 3:49:52 PM Pacific Standard Time, w2ev@arrl.net writes:

> Without a fan, I'm assuming that the cooling is done by convection.
Blocking
> airflow from "under" seems detrimental. Unfounded concern?
>
> Ev, W2EV
>
>

What duty cycle are you anticipating? Is this a heavily-loaded digi that will be transmitting all the time (even then the max duty would be < 50%), or just a tracker/end-user rig. If the latter, the duty cycle will be so low, I doubt that cooling air flow will be an issue. [And you could set the tx for 25W out instead of the max 50.]

```
Stephen H. Smith                  wa8lmf @ aol.com
Home Page:                                        http://wa8lmf.com
Ham Radio/Mobile SSTV page:     http://members.aol.com/wa8lmf/ham
APRS Stuff
http://members.aol.com/wa8lmf/aprs

|    Radio Communications Systems       Personal Computers
|                Consulting and Systems Integration
|    GPS Custom Mapping    &     Radio Coverage Surveys
|    File Conversions       MS-Windows Setups       Networking
```

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440. [aprssig] Re: FT-1500m Mounting Insights

From: "Ev Tupis (W2EV)" <w2ev@arrl.net>
Date: Mon, 18 Nov 2002 22:01:03 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-107719-2002.11.18-21.45.42--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

> What duty cycle are you anticipating? Is this a heavily-loaded digi that
> will be transmitting all the time (even then the max duty would be < 50%), or
> just a tracker/end-user rig. If the latter, the duty cycle will be so low, I
> doubt that cooling air flow will be an issue. [And you could set the tx for
> 25W out instead of the max 50.]

Hi Stephen,
The application will include bursts of time of very high duty cycle, followed by long periods of low duty cycle. Reducing power won't work. I'll need every watt I can get.

In APRS terms...it's a tracker, but one in which the operator will be prone to bursts of use in keyboard-to-keyboard messaging with other operators.

It sounds like this unit runs fairly cool as a normal course of events. I guess I've got to decide if I'm willing to give it a go or sell it and go for a 2600m that can mount a TNC within the mounting bracket.

Thanks for yout insights.

Ev

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---

441. [aprssig] PCsat Life.

From: Bob Bruninga <bruninga@usna.edu>
Date: Mon, 18 Nov 2002 22:21:37 -0500 (EST)
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: TAPR APRS Special Interest Group <aprssig@lists.tapr.org>,
       <amsat-bb@amsat.org>
Message-ID: <LYR842-107723-2002.11.18-22.05.59--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

> How long is PCsat expected to stay up? If/when it comes down are there
> plans to put another one up?

PCsat is in full sun and fully operational 24 hours a day through 22 Nov (only 4 more days) and then it begins to enter eclipse cycles again where it runs its batteries dead in the dark every orbit. But it will remain operational in the sun until the Nicads short. Which after months of such abuse will come soon...

PCsat will be in orbit for more than 100 years. But we dont expect its batteries to last more than a few more weeks. We invite every new satellite to support a digipeater on 145.825 if such a mission is compatible with their other missions so we have a continuous packet digipeater on that frequency.

We have another Naval Academy satellite for next year that will operate on the same 145.825 MHz digipeater frequency for about 1 year
on primary batteries. It has no solar power, so when the 7000 Watt Hours of batteries (112 Lithiums) die then it too will die. It is called ANDE.
See the WEB page...

PCsat WEB page   http://www.ew.usna.edu/~bruninga/pcsat.html
ANDE WEB Page: http://www.ew.usna.edu/~bruninga/ande.html

de WB4APR

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---

442. [aprssig] Re: FT-1500m Mounting Insights

From: David VanHorn <dvanhorn@cedar.net>
Date: Mon, 18 Nov 2002 22:38:13 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-107724-2002.11.18-22.22.40--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

```
>
>In APRS terms...it's a tracker, but one in which the operator will be prone to
>bursts of use in keyboard-to-keyboard messaging with other operators.

That's how I operate mine. No problems at all.


---
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```

443. [aprssig] Re: FT-1500m Mounting Insights

From: David VanHorn <dvanhorn@cedar.net>
Date: Mon, 18 Nov 2002 22:54:44 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-107758-2002.11.18-22.38.42--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

```
At 10:38 PM 11/18/2002 -0500, David VanHorn wrote:

>>
>>In APRS terms...it's a tracker, but one in which the operator will be prone to
>>bursts of use in keyboard-to-keyboard messaging with other operators.
>
>That's how I operate mine. No problems at all.

In fact, the other 1500 mounted on top of that one, is my SSTV rig, and goes key-down full power for 30S
 at a time, as much as 50% duty cycle.


---
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```

444. [aprssig] RE: Draft Emergency Operations Plan for APRS

From: "Doug Younker" <dougy@ruraltel.net>
Date: Mon, 18 Nov 2002 13:00:12 -0600
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-107771-2002.11.19-00.47.12--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

```
----- Original Message -----
From: "Jack Smith" <jrs38801@bellsouth.net>
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Sent: Sunday, November 17, 2002 2:04 PM
Subject: [aprssig] RE: Draft Emergency Operations Plan for APRS


: Roy,
:
: Do you think it would be best to just have a separate reference sheet to
: address the Hardware/Software?  I would like to have it mentioned in some
: fashion for those who are still in the process of researching it.
<snipped>

Jack,

    Many plans use appendices to address issues subject to change like
hardware and software, with the main body of the plan referring to them
where appropriate.  The problems lay with getting a responsible person to
keep on top of things and getting any revised appendices distributed to
those who need to see them.  Of course any plan or revisions should be made
with those who use the guidelines in mind and with their input.
73
Doug, N0LKK
 dougy@ruraltel.net



---
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445. [aprssig] Weird Digi Behaviour

From: "Andrew Rich" <andrew.rich@bigpond.com>
Date: Tue, 19 Nov 2002 19:17:26 +1000
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-107781-2002.11.19-04.04.54--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Gents,

Someone got a explanation for this ?

Why would a digi ditch the RELAY and repeat the WIDE, when it could have repeated on "RELAY" ?

```
VK4TEC>APRS,VK4GME-3*,WIDE <UI R>:
VK4BBS>APU254,RELAY,WIDE <UI C>:}VK4AGS-8>RS52U1,TCPIP,VK4BBS*:'O({l >/]"44}
VK4BBS>APU254,RELAY,VK4GME-3* <UI
C>:}VK4AGS-3>APU254,TCPIP,VK4BBS*:@190911z2359.74S/15112.53E_047/006g009t072r...p...P000b10170h66FWXCall
iope WX. {UIV32}
VK4BBS>APU254,RELAY,VK4GME-3* <UI C>:}VK4AGS-8>RS52U1,TCPIP,VK4BBS*:'O({l >/]"44}Email
rsmitj@tpgi.com.au
```

Andrew

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446. [aprssig] Re: Weird Digi Behaviour

From: "Chris van Gorp" <pd0rhm@amsat.org>
Date: Tue, 19 Nov 2002 4:10:44
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-107782-2002.11.19-04.55.00--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

On 11/19/02, ""Andrew Rich" <andrew.rich@bigpond.com>" wrote:
> Gents,
>
> Someone got a explanation for this ?
>
> Why would a digi ditch the RELAY and repeat the WIDE, when it could have repeated on "RELAY" ?
>

If this is a base station (it looks like that because of the APU2xx =
UIView)
why does this have the RELAY word in it's unproto path?

```
>
> VK4TEC>APRS,VK4GME-3*,WIDE <UI R>:
> VK4BBS>APU254,RELAY,WIDE <UI C>:}VK4AGS-8>RS52U1,TCPIP,VK4BBS*:'O({l >/]"44}
> VK4BBS>APU254,RELAY,VK4GME-3* <UI
> C>:}VK4AGS-3>APU254,TCPIP,VK4BBS*:@190911z2359.74S/15112.53E_047/006g009t072r...p...P000b10170h66FWXCa
lliope WX. {UIV32}
> VK4BBS>APU254,RELAY,VK4GME-3* <UI C>:}VK4AGS-8>RS52U1,TCPIP,VK4BBS*:'O({l >/]"44}Email
rsmitj@tpgi.com.au
>
> Andrew
```

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447. [aprssig] Re: FT-1500m Mounting Insights

From: "Gregg G. Wonderly" <gregg@skymaster.cytetech.com>
Date: Tue, 19 Nov 2002 08:57:44 -0600
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: TAPR APRS Special Interest Group <aprssig@lists.tapr.org>
Message-ID: <LYR842-107803-2002.11.19-09.41.51--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

>
>>
>>In APRS terms...it's a tracker, but one in which the operator will be prone t
o
>>bursts of use in keyboard-to-keyboard messaging with other operators.

```
>
>That's how I operate mine. No problems at all.

Doesn't this radio have rather effective cooling fins on the back of it?
Wouldn't it be more prudent to assure good airflow behind than on the top or
bottom?

-----
gregg@cytetech.com  (Cyte Technologies Inc)



---
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448. [aprssig] Re: Weird Digi Behaviour

From: "Patrick Karp" <pkarp@conwaycorp.net>
Date: Tue, 19 Nov 2002 09:05:48 -0600
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-107804-2002.11.19-09.49.18--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

```
If the digi is setup to digipeat on relay and wide it is possible that
a colision happened during the relay so the digi did not hear it. but
it did hear another digi use the relay.  So being the first time it
understood the packet it digipeated it as a wide.  I'm sure this is
only one possible reason and there are others.
----- Original Message -----
From: "Andrew Rich" <andrew.rich@bigpond.com>
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Sent: Tuesday, November 19, 2002 3:17 AM
Subject: [aprssig] Weird Digi Behaviour


> Gents,
>
> Someone got a explanation for this ?
>
> Why would a digi ditch the RELAY and repeat the WIDE, when it could
have repeated on "RELAY" ?
>
>
> VK4TEC>APRS,VK4GME-3*,WIDE <UI R>:
> VK4BBS>APU254,RELAY,WIDE <UI C>:}VK4AGS-8>RS52U1,TCPIP,VK4BBS*:'O({l
>/]"44}
> VK4BBS>APU254,RELAY,VK4GME-3* <UI
>
C>:}VK4AGS-3>APU254,TCPIP,VK4BBS*:@190911z2359.74S/15112.53E_047/006g0
09t072r...p...P000b10170h66FWXCalliope WX. {UIV32}
> VK4BBS>APU254,RELAY,VK4GME-3* <UI
C>:}VK4AGS-8>RS52U1,TCPIP,VK4BBS*:'O({l >/]"44}Email
rsmitj@tpgi.com.au
>
> Andrew
>
>
> ---
> You are currently subscribed to aprssig as: pkarp@conwaycorp.net
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leave-aprssig-842K@lists.tapr.org
> Questions regarding the SIG go to the SIG administrator:
wa1lou@tapr.org
>
>




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Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org
```

449. [aprssig] Re: FT-1500m Mounting Insights

From: "Patrick Karp" <pkarp@conwaycorp.net>
Date: Tue, 19 Nov 2002 09:12:59 -0600
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>

Cc: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-107805-2002.11.19-09.56.24--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

```
> Doesn't this radio have rather effective cooling fins on the back of
it?
> Wouldn't it be more prudent to assure good airflow behind than on
the top or
> bottom?
>
Yes!  The only thing you really need to worry about is if the case has
a vent.  If so then try not to cover it.  Other wise you can mount it
anyway you wish.  If it does have a vent then leave atleast a 1/4in
space between it and the object you place over it.



---
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```

450. [aprssig] Re: FT-1500m Mounting Insights

From: "Don" <kyham@alltel.net>
Date: Tue, 19 Nov 2002 10:18:33 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-107807-2002.11.19-10.03.09--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

```
Both the FT-1500 and FT-2600 work great for APRS.  I have one of each.  The
1500 is in the car with a TTII and the 2600 is a digi at home using a
MFJ-1270C and UI-VIEW.

Just don't make the same mistake I did in the car.  I have a Town Car which
has a huge trunk so I thought I would mount it vertical on the back wall
with a small fan to get a little better circulation.   What I didn't take
into consideration was that the gas tank is 1/16" behind the wall.
OOPS........

Was able to patch with sealer and screw.  I know better NOW....


Don            K9SOA   (EM77EX)
HF-2m-70cm-APRS
www.k9soa.net

Home of JEANNIE
The House That Listens
As seen on HGTV's Dream Builder Show
and the Featured Home of the Month
Home Automation magazine
March 2002 issue


----- Original Message -----
From: Ev Tupis (W2EV) <w2ev@arrl.net>
To: TAPR APRS Special Interest Group <aprssig@lists.tapr.org>
Sent: Monday, November 18, 2002 10:01 PM
Subject: [aprssig] Re: FT-1500m Mounting Insights


> > What duty cycle are you anticipating?  Is this a heavily-loaded digi
that
> > will be transmitting all the time (even then the max duty would be <
50%), or
> > just a tracker/end-user rig.  If the latter, the duty cycle will be so
low, I
> > doubt that cooling air flow will be an issue.  [ And you could set the
tx for
> > 25W out instead of the max 50. ]
>
> Hi Stephen,
> The application will include bursts of time of very high duty cycle,
followed by
> long periods of low duty cycle.  Reducing power won't work.  I'll need
every
> watt I can get.
>
> In APRS terms...it's a tracker, but one in which the operator will be
prone to
```

```
> bursts of use in keyboard-to-keyboard messaging with other operators.
>
> It sounds like this unit runs fairly cool as a normal course of events.  I
guess
> I've got to decide if I'm willing to give it a go or sell it and go for a
2600m
> that can mount a TNC within the mounting bracket.
>
> Thanks for yout insights.
>
> Ev
>
>
> ---
> You are currently subscribed to aprssig as: kyham@alltel.net
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>


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```

451. [aprssig] Re: FT-1500m Mounting Insights

From: "Don" <kyham@alltel.net>
Date: Tue, 19 Nov 2002 10:22:35 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-107808-2002.11.19-10.07.05--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

```
The entire FT-1500 case are cooling fins.


Don            K9SOA   (EM77EX)
HF-2m-70cm-APRS
www.k9soa.net

Home of JEANNIE
The House That Listens
As seen on HGTV's Dream Builder Show
and the Featured Home of the Month
Home Automation magazine
March 2002 issue


----- Original Message -----
From: Gregg G. Wonderly <gregg@skymaster.cytetech.com>
To: TAPR APRS Special Interest Group <aprssig@lists.tapr.org>
Cc: TAPR APRS Special Interest Group <aprssig@lists.tapr.org>
Sent: Tuesday, November 19, 2002 9:57 AM
Subject: [aprssig] Re: FT-1500m Mounting Insights


>
> >
> >>
> >>In APRS terms...it's a tracker, but one in which the operator will be
prone t
>  o
> >>bursts of use in keyboard-to-keyboard messaging with other operators.
> >
> >That's how I operate mine. No problems at all.
>
> Doesn't this radio have rather effective cooling fins on the back of it?
> Wouldn't it be more prudent to assure good airflow behind than on the top
or
> bottom?
>
> -----
> gregg@cytetech.com  (Cyte Technologies Inc)
>
>
>
> ---
> You are currently subscribed to aprssig as: kyham@alltel.net
> To unsubscribe send a blank email to leave-aprssig-842K@lists.tapr.org
```

> Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org
>

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Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

452. [aprssig] Re: FT-1500m Mounting Insights

From: "John B. Leonard, Jr" <w9jbl@attbi.com>
Date: Tue, 19 Nov 2002 09:38:55 -0600
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-107810-2002.11.19-10.23.16--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Is a transmitter that close to the gas tank a good idea?

jbl

> -----Original Message-----
> From: bounce-aprssig-27758@lists.tapr.org
> [mailto:bounce-aprssig-27758@lists.tapr.org]On Behalf Of Don
> Sent: Tuesday, November 19, 2002 9:19 AM
> To: TAPR APRS Special Interest Group
> Subject: [aprssig] Re: FT-1500m Mounting Insights
>
>
> Both the FT-1500 and FT-2600 work great for APRS. I have one
> of each. The
> 1500 is in the car with a TTII and the 2600 is a digi at home using a
> MFJ-1270C and UI-VIEW.
>
> Just don't make the same mistake I did in the car. I have a
> Town Car which
> has a huge trunk so I thought I would mount it vertical on
> the back wall
> with a small fan to get a little better circulation.   What I
> didn't take
> into consideration was that the gas tank is 1/16" behind the wall.
> OOPS........
>
> Was able to patch with sealer and screw. I know better NOW....
>
>
> Don   K9SOA   (EM77EX)
> HF-2m-70cm-APRS
> www.k9soa.net
>
> Home of JEANNIE
> The House That Listens
> As seen on HGTV's Dream Builder Show
> and the Featured Home of the Month
> Home Automation magazine
> March 2002 issue
>

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Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

453. [aprssig] Re: FT-1500m Mounting Insights

From: David VanHorn <dvanhorn@cedar.net>
Date: Tue, 19 Nov 2002 10:49:24 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-107814-2002.11.19-10.40.21--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

At 09:38 AM 11/19/2002 -0600, John B. Leonard, Jr wrote:
>Is a transmitter that close to the gas tank a good idea?

I'd think that the location of the antenna might be more interesting, if indeed it is a concern at all.

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Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

454. [aprssig] Re: FT-1500m Mounting Insights

From: "Dave Thege" <dthege@ncfcomm.com>
Date: Tue, 19 Nov 2002 10:52:47 -0600
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-107815-2002.11.19-11.35.58--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Get a Kenwood D-700 and you don't have to worry about mounting the TNC.
Dave N0XBN

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Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

455. [aprssig] FT-1500m Mounting Insights

From: "Don" <kyham@alltel.net>
Date: Tue, 19 Nov 2002 12:18:51 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-107820-2002.11.19-12.03.19--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

> Well if a bad idea then I would guess that there are alot of cars with a
> problem. Most hams that I know of with remote control heads installed
have
> the radio in the trunk.   Same goes for just about every police car.
>
> In the "OLD DAYS" (late 1950's) I ran a Motorola 100 watt 2 meter
> transmitter mounted in the trunk.   And it used a DYNAMOTER for high
> voltage for the final amp. I think it was an 829 tube and the dynamotor
> generated 650volts.
>
> In fact I had 3 of the units in the trunk. The headlights really dimmed
> when you were transmitting back then. Just at the start of cars using
12v.
>
> Now I am trying to figure out how to mount a modern 2 meter rig in my 1950
> Chevy.   Talk about going backwards in time.....
>
>
> Don   K9SOA   (EM77EX)
> HF-2m-70cm-APRS
> www.k9soa.net
>
> Home of JEANNIE
> The House That Listens
> As seen on HGTV's Dream Builder Show
> and the Featured Home of the Month
> Home Automation magazine
> March 2002 issue
>
>
> ----- Original Message -----
> From: John B. Leonard, Jr <w9jbl@attbi.com>
> To: 'Don' <kyham@alltel.net>; 'TAPR APRS Special Interest Group'
> <aprssig@lists.tapr.org>
> Sent: Tuesday, November 19, 2002 10:36 AM
> Subject: RE: [aprssig] Re: FT-1500m Mounting Insights
>
>
> > Is a transmitter that close to the gas tank a good idea?
> >
> > jbl
> >

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Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

456. [aprssig] NOSaprs 1.15b3 available - WIDE & WIDEn-N digipeating

From: Maiko Langelaar <maiko@langelaar.net>
Date: Tue, 19 Nov 2002 11:44:05 -0600
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-107822-2002.11.19-12.22.48--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Greetings,

Release 1.15b3 of NOSaprs is now available as a complete upgrade
kit (not a patch this time) from any previous release of NOSaprs
for JNOS and TNOS.

I have also added fresh new DOS and Linux binaries (executables)
of JNOS (version 111f) that have NOSaprs 1.15b3 compiled in.

This latest release will let JNOS or TNOS do WIDE or WIDEn-N
digipeating just like a real APRS digipeater. I have code in
place to check for duplicate frames to avoid the situation of
WIDEn-N frames bouncing back and forth endlessly between NOS
and other digipeaters on frequency.

Note : Feedback is welcome. This is still ** EXPERIMENTAL **

Please MAKE SURE you read the release history notes for the
above new feature as well as other enhancements and fixes.

The website is as follows :

http://www.qsl.net/ve4klm/packet/aprss.html

Best regards,

Maiko Langelaar / VE4KLM

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Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

---

457. [aprssig] RE: Kenwood D700

From: "Gilson, Ron" <RGilson@ecmc.edu>
Date: Tue, 19 Nov 2002 13:42:24 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-107830-2002.11.19-13.26.37--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

I recently purchased a D700 and find it A+. Unfortunately the D700 has a
few short comings and I wonder if others have a work around for the
following:
        No Mic hang-up box which should disable the PL and stop scanning
when Mic is removed.
        No priority scan for the scan banks.
        Unable to program PL for TX only.
        Scan stops on active channel even with PL Tones? No audio from
speaker?
        Different PL for TX & RX
        Longer cables. (Just makes fuse block to under dash or under seat
never to battery.)
        Better Head mountings.
I guess I'm just use to commercial rigs.
Ron
WA2WWK

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---

458. [aprssig] Re: FT-1500m Mounting Insights

From: "Mike Yetsko" <myetsko@insydesw.com>
Date: Tue, 19 Nov 2002 13:42:20 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-107831-2002.11.19-13.27.39--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

> Is a transmitter that close to the gas tank a good idea?
>
> jbl

I know this may sound silly, but why not?

Mike

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Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

459. [aprssig] Re: Ford Gas Tank (was : FT-1500m Mounting Insights)

From: "Mark Fellhauer" <sparkfel@qwest.net>
Date: Tue, 19 Nov 2002 12:49:18 -0600
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-107832-2002.11.19-13.33.51--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

At 09:38 AM 11/19/02, John B. Leonard, Jr wrote:

>Is a transmitter that close to the gas tank a good idea?

Only if his Lincoln is powered by Hydrazine...or some other RF reactive fuel. Fords do have a nasty habit of spontaneously combusting though, that would be my big concern... The Econoline Vans (especially ambulances), the Crown Vic, the Towncar, and the Grand Marquis have all been plagued for the last decade or so with fuel Tank overpressurization problems. I have seen it in Mustangs, too. Maybe some sealer and screw will act as a pop-off valve...

I was waiting for someone at Phoenix Baptist hospital once and watched a Ford Ambulance pull into the emergency entrance. The EMT's wheeled the patient inside and seconds later the unoccupied Van burst into flames. Ford is going on 40 years with "industry leading" gas tank and fuel delivery problems now; you'd think they'd be able to get it right sometime. My brother had a '67 Mustang, and the gas tank was fiberglass and dropped into the trunk, thus the top of the tank was the bottom of the trunk. The problems with this design became apparent to me when someone rear-ended the car and broke the uni-body/frame behind the rear axle, and the gas tank cracked and spewed gasoline inside the car. Fortunately it was a low speed collision and the tank was almost empty at the time. Ford did not change this design in Mustangs until 1971...5 model years after the problem became apparent in real world driving situations.

73,

Mark
KC7BXS

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Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

460. [aprssig] Re: Ford Gas Tank (was : FT-1500m Mounting Insights)

From: "Mike Yetsko" <myetsko@insydesw.com>
Date: Tue, 19 Nov 2002 13:54:13 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-107833-2002.11.19-13.39.21--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

And I'm sure most people remember the Pinto!

Of course, if it's a bad design, it's a bad design, but I don't think
there's
any 'generic' reason why you can't install back at the gas tank 'area'.

I'm not saying screw your ground into a hole in the tank! I'm just saying there's no propblem with puting the radio back in the trunk.

Mike

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461. [aprssig] ANDE Satellite Laser CW!

From: Bob Bruninga <bruninga@usna.edu>
Date: Tue, 19 Nov 2002 13:55:40 -0500 (EST)
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: amsat-bb@amsat.org, TAPR APRS SIG <aprssig@lists.tapr.org>
Message-ID: <LYR842-107834-2002.11.19-13.41.13--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Pic Programmer project for the next Amateur Satellite:

I mentioned the SIX 500 mW lasers on our next amateur satellite project
operating in the 808 nm range that should be able to be seen with a low
light level CCD camera and good lens (maybe?) (anyone confirm? Assume
500 mw optical power dispursed over a 90 degree beamwidth).

On Tue, 19 Nov 2002, Al Tencza responded:

> Bob, In Dec 92, Electronic News presented a build article for a Light
> Beam Communicator called Air Hop.... using a Fresnel lens... Perhaps if
> ANDE had a prerecorded ... message... to modulate one of the 808 nm
> beams then an Air Hop type receiver could be used to receive... it

Great idea! All we need is a PIC programmer to program a PIC with 6 TTL
outputs to key these messages simultaneously at a 7 WPM rate, one for each
orthogonal laser.

HI HI HI HI HI HI HI...
CQ CQ CQ CQ CQ CQ CQ...
73 73 73 73 73 73 73...
ANDE ANDE ANDE ANDE ANDE...
and two others...

They cannot be long sequences because the different strings are needed to
be able to visually determine the optical SPIN rate of the satelite, so
any one lazer may not be in view very long...

This can all be done in a SINGLE PIC chip and XTAL. Can someone familiar
with PIC's give me a size and power budget for this circuit...? and be
willing to program it up in the next month or so? We CAN FLY it maybe in
place of the current dumb on-off keyer that ANDE was going to use... This
circuit is needed by Jan if not before...

See the ANDE web page: http://www.ew.usna.edu/~bruninga/ande.html

de WB4APR@amsat.org, Bob

PCsat WEB page	http://www.ew.usna.edu/~bruninga/pcsat.html
ISS-APRS FAQ:	http://www.ew.usna.edu/~bruninga/iss-faq.html
CUBESAT Designs	http://www.ew.usna.edu/~bruninga/cubesat.html
APRS LIVE pages	http://www.ew.usna.edu/~bruninga/aprs.html
APRS SATELLITES	http://www.ew.usna.edu/~bruninga/astars.html

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Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

462. [aprssig] Re: ANDE Satellite Laser CW!

From: David VanHorn <dvanhorn@cedar.net>
Date: Tue, 19 Nov 2002 15:02:42 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: amsat-bb@amsat.org, TAPR APRS SIG <aprssig@lists.tapr.org>
Message-ID: <LYR842-107835-2002.11.19-14.46.20--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

>
>This can all be done in a SINGLE PIC chip and XTAL. Can someone familiar

```
>with PIC's give me a size and power budget for this circuit...? and be
>willing to program it up in the next month or so?  We CAN FLY it maybe in
>place of the current dumb on-off keyer that ANDE was going to use...  This
>circuit is needed by Jan if not before...

If you're not hung up on the PIC, I can do this in an AVR, in an 8 pin dip with no crystal or other
external components.



---
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Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org
```

463. [aprssig] RE: Kenwood D700

From: Bill Vodall - WA7NWP <wa7nwp@yahoo.com>
Date: Tue, 19 Nov 2002 12:33:08 -0800
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-107836-2002.11.19-15.17.20--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

```
At 01:42 PM 11/19/02 -0500, Gilson, Ron wrote:
>I recently purchased a D700 and find it A+.  Unfortunately the D700 has a
>few short comings

Don't forget the inability to change the TXDelay time...   Argh!

Kenwood got it almost perfect on the upgrade to the D7 HT.   100 ms steps is
a bit coarse but that's far better then being stuck at half a second.

Bill, WA7NWP


---
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```

464. [aprssig] Re: FT-1500m Mounting Insights

From: WA8LMF2@aol.com
Date: Tue, 19 Nov 2002 15:40:02 EST
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-107837-2002.11.19-15.24.55--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

```
In a message dated 11/19/2002 7:00:03 AM Pacific Standard Time,
gregg@skymaster.cytetech.com writes:

> Doesn't this radio have rather effective cooling fins on the back of it?
>  Wouldn't it be more prudent to assure good airflow behind than on the top
or
>
>  bottom?

No, it doesn't.  The entire lightly-ribbed clamshell die-cast [not sheet
metal] case is used as a heatsink.

---
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Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org
```

465. [aprssig] Re: FT-1500m Mounting Insights

From: "Ray McKnight - WB3ABN" <shortsheep@worldnet.att.net>
Date: Tue, 19 Nov 2002 13:00:18 -0800
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-107838-2002.11.19-15.44.28--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

```
If you're concerned about the gas tank exploding when you key the
transmitter, well, don't be.  Practically any useful amount of gas in
the tank will ensure that the space inside the tank is above the UEL
(upper explosive limit) - that is, there is too much vapor to ignite,
not enough oxygen to support combustion.  I'd have to pull out the
trusty NIOSH guide to be exact, but the explosive limit of gasoline is
actually a fairly narrow range, something like 12-21% if I recall. So if
there's more than a quart or two of gas in there, it's pretty safe.
```

Although if there are any leaks, then those COULD ignite and eventually
involve the tank as well.

I'd be more concerned about an APRS system with an antenna mounted on
the rear somewhere near the gas fill nozzle, keying automatically during
fueling. But with vapor recovery nozzles in common use now, even that
is a real small probability. But you are supposed to turn off radios
and other non-intrinsically safe devices while fueling, but who really
pays
attention ;-)

73's
Ray - WB3ABN
Kingston, WA

-----Original Message-----
From: bounce-aprssig-29143@lists.tapr.org
[mailto:bounce-aprssig-29143@lists.tapr.org] On Behalf Of David VanHorn
Sent: Tuesday, November 19, 2002 07:49
To: TAPR APRS Special Interest Group
Subject: [aprssig] Re: FT-1500m Mounting Insights

At 09:38 AM 11/19/2002 -0600, John B. Leonard, Jr wrote:
>Is a transmitter that close to the gas tank a good idea?

I'd think that the location of the antenna might be more interesting, if
indeed it is a concern at all.

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Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

---

466. [aprssig] Re: FT-1500m Mounting Insights

From: "Mark Fellhauer" <sparkfel@qwest.net>
Date: Tue, 19 Nov 2002 15:49:23 -0600
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-107840-2002.11.19-16.33.46--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

At 03:00 PM 11/19/02, Ray McKnight - WB3ABN wrote:

> I'd have to pull out the
>trusty NIOSH guide to be exact, but the explosive limit of gasoline is
>actually a fairly narrow range, something like 12-21% if I recall. So if
>there's more than a quart or two of gas in there, it's pretty safe.
>Although if there are any leaks, then those COULD ignite and eventually
>involve the tank as well.

It's 1 percent through 11 percent in air by volume. Textbooks say 1.4% to
7.6%, STP, but I'm told by chemists and chemical engineers that the 1% to
11% is a better guide.   Also remember that all flashpoints listed by the
EPA are closed-cup and just determine the initial ignition point of a
flammable substance. Actual combustion usually takes much more energy to
occur.

>I'd be more concerned about an APRS system with an antenna mounted on
>the rear somewhere near the gas fill nozzle, keying automatically during
>fueling. But with vapor recovery nozzles in common use now, even that
>is a real small probability. But you are supposed to turn off radios
>and other non-intrinsically safe devices while fueling, but who really
>pays
>attention ;-)

If car companies and the government were really concerned about liquid fuel
tank explosions/fires, they could mandate aluminum mesh tank liners in all
new vehicles. Cars, trucks, boats, trains, aircraft...   But it would
probably add 50 bucks to the cost of an average personal vehicle, so it

probably won't happen anytime soon.

73,

Mark
KC7BXS

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Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

467. [aprssig] Re: FT-1500m Mounting Insights

From: Bill Vodall - WA7NWP <wa7nwp@yahoo.com>
Date: Tue, 19 Nov 2002 13:55:50 -0800
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-107841-2002.11.19-16.40.10--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

>But you are supposed to turn off radios
>and other non-intrinsically safe devices while fueling, but who really
>pays attention ;-)

A couple months ago the local TV station had one of their "sensational" news stories on the evils of using a cell phone while gassing up. Somebody had video taped a fire starting on the security cam.   The individual gassing up had starting pumping gas, when back in to the car, picked up the cell phone, got out of the car, walked back and had a "static spark" start the fire. This was obviously shown in the video and the TV report mentioned it "low key" in one sentence. The balance of the news clip was on how dangerous it was to use the cell phone.

It's not the transmitters that scare me - it's the folks climbing in and out of the vehicles.

Bill, WA7NWP

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Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

468. [aprssig] Re: FT-1500m Mounting Insights

From: "fred houghton" <ve7ffk@mail.ocis.net>
Date: Tue, 19 Nov 2002 14:20:11 -0800
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-107843-2002.11.19-17.05.29--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

HI:
Many more sales by adding 1000 watt stereos - To heck with safety!
Cheers - Frd - VE7FFK

----- Original Message -----
From: "Mark Fellhauer" <sparkfel@qwest.net>
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Sent: Tuesday, November 19, 2002 1:49 PM
Subject: [aprssig] Re: FT-1500m Mounting Insights

> At 03:00 PM 11/19/02, Ray McKnight - WB3ABN wrote:
>
>
> > I'd have to pull out the
> >trusty NIOSH guide to be exact, but the explosive limit of gasoline is
> >actually a fairly narrow range, something like 12-21% if I recall. So if
> >there's more than a quart or two of gas in there, it's pretty safe.
> >Although if there are any leaks, then those COULD ignite and eventually
> >involve the tank as well.
>
> It's 1 percent through 11 percent in air by volume. Textbooks say 1.4% to
> 7.6%, STP, but I'm told by chemists and chemical engineers that the 1% to
> 11% is a better guide.   Also remember that all flashpoints listed by the
> EPA are closed-cup and just determine the initial ignition point of a
> flammable substance. Actual combustion usually takes much more energy to

> occur.
>
>
> >I'd be more concerned about an APRS system with an antenna mounted on
> >the rear somewhere near the gas fill nozzle, keying automatically during
> >fueling. But with vapor recovery nozzles in common use now, even that
> >is a real small probability. But you are supposed to turn off radios
> >and other non-intrinsically safe devices while fueling, but who really
> >pays
> >attention ;-)
>
> If car companies and the government were really concerned about liquid
fuel
> tank explosions/fires, they could mandate aluminum mesh tank liners in all
> new vehicles. Cars, trucks, boats, trains, aircraft...   But it would
> probably add 50 bucks to the cost of an average personal vehicle, so it
> probably won't happen anytime soon.
>
> 73,
>
> Mark
> KC7BXS
>
>
>
>
> ---
> You are currently subscribed to aprssig as: ve7ffk@mail.ocis.net
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>
>

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469. [aprssig] Re: FT-1500m Mounting Insights

From: "Mike Yetsko" <myetsko@insydesw.com>
Date: Tue, 19 Nov 2002 17:33:15 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-107845-2002.11.19-17.18.19--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

> HI:
> Many more sales by adding 1000 watt stereos - To heck with safety!
> Cheers - Frd - VE7FFK

Just realize that the FACTORY mounting for the high-power Infinity
stereo amp in the Cirrus type platforms is UNDER the rear deck,
in the trunk area.

And the factory mounting for the Infinity Spatial system, with the
bi-amped speakers, in the LH platforms is again on the SIDE of the
trunk. With the factory recomended 'ground reference' for the amp
being a tab on a member just about 8 inches above the gas tank
and to the left side...

Think they know something we don't know?

Oh, I wonder, how many people even KNOW where their gas tank
is located in their vehicle? It used to be fairly common, under the
trunk. Right in a 'crush zone' in an accident. Not smart. (Like the
old trucks that put the filler cap right by the drivers window, and
configured so that if the vehicle had any forward movement while it
was on it's side, it would unscrew and open the gas cap!)

Hmm, maybe the factories DON'T know better.

Seriously, I have my Alinco 590 in the trunk. Grounded to the
'reference ground' tab. But I didn't drill down. I put velcro on
the bottom of the thing and it stays put on the carpet....

(And yes, I DO know where my gas tank is in my Intrepid. And
in my Jeep Wagoneer. That's why I put a trailer hitch on the Jeep,
even though I don't own a trailer.)

Mike

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---

470. [aprssig] Re: FT-1500m Mounting Insights

From: "Ev Tupis (W2EV)" <w2ev@arrl.net>
Date: Tue, 19 Nov 2002 18:08:48 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-107846-2002.11.19-17.53.41--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Dave Thege wrote:
>
> Get a Kenwood D-700 and you don't have to worry about mounting the TNC.
> Dave N0XBN

The Kenwood radios are more expensive...

	FT-1500m	D-700
Xcvr	$129.00	$590.00
KPC3plus	$170.00	n/a
TNC Cable	$ 15.00	n/a
	-------	-------
	$314.00	$590.00

...and they have too many limitations, when it comes to the application I'm developing.

Ev, W2EV

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---

471. [aprssig] RE: Kenwood D700

From: "Gregg G. Wonderly" <gregg@skymaster.cytetech.com>
Date: Tue, 19 Nov 2002 17:27:58 -0600
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: TAPR APRS Special Interest Group <aprssig@lists.tapr.org>
Message-ID: <LYR842-107850-2002.11.19-18.12.13--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

>I recently purchased a D700 and find it A+. Unfortunately the D700 has a
>few short comings and I wonder if others have a work around for the
>following:
>   No Mic hang-up box which should disable the PL and stop scanning
>when Mic is removed.

On my THD7-A HT, keying the PTT stops the scan without transmitting. There was a thread quite some time back about people grabing the PTT and talking without transmitting when the radio had stopped during scan and they wanted to join in...

>   Unable to program PL for TX only.

Do you mean RX Squelch only? On the THD7-A you get TX only (T on display) and TX with RX Squelch (CT on display for CTCSS). Is the D700 different in this regard?

>   Scan stops on active channel even with PL Tones? No audio from
>speaker?

Haven't noticed this on my THD7-A

-----
gregg@cytetech.com (Cyte Technologies Inc)

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---

472. [aprssig] Re: FT-1500m Mounting Insights

From: WA8LMF2@aol.com
Date: Tue, 19 Nov 2002 19:35:31 EST
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-107887-2002.11.19-19.19.46--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

In a message dated 11/19/02 3:11:21 PM Pacific Standard Time, w2ev@arrl.net writes:

```
> The Kenwood radios are more expensive...
>
>            FT-1500m  D-700
>  Xcvr      $129.00   $590.00
>  KPC3plus  $170.00    n/a
>  TNC Cable $ 15.00    n/a
>            -------   -------
>            $314.00   $590.00
>
```

Of course, when you add the fact that the Kenwood is essentially two radios in one box, it is actually cheaper per band than the monobander. Especially when you consider that unlike most dual-banders, both halves can be on 2M at the same time.

Though admittedly, the KPC3+ has capabilities far greater than the built-in TNC in the Kenwood.

Of course, if you REALLY want to go whole hog on this thing, set the Kenwood internal TNC to band A, and connect a KPC3 to the 6-pin mini-DIN external packet connector on the D700. Select band B by pressing the volume button for that band. Now you can run TWO APRS systems at once on different freqs/bands, or even do a crossband digi by connecting the serial ports of both TNCs together with a null-modem cable......

```
Stephen H. Smith                   wa8lmf @ aol.com
Home Page:                                          http://wa8lmf.com
Ham Radio/Mobile SSTV page:     http://members.aol.com/wa8lmf/ham
APRS Stuff
http://members.aol.com/wa8lmf/aprs
------------------------------------------------------------------------------

----------
|    Radio Communications Systems       Personal Computers
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|    File Conversions       MS-Windows Setups       Networking
------------------------------------------------------------------------------

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```

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473. [aprssig] Re: FT-1500m Mounting Insights

From: "Richard Amirault" <ramirault@erols.com>
Date: Tue, 19 Nov 2002 20:45:35 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-107901-2002.11.19-20.29.52--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Yaesu insists that you use the mounting "foot" supplied with the 1500, since the whole case is the heat sink. As such the distance from the KPC3 to the rig would be the same as the distance from any mounting surface. Believe me the rig can get HOT! I would not mount it without using the supplied mounting foot.

Richard Amirault   N1JDU   Boston,
MA, USA
www.erols.com/ramirault   "Go Fly A Kite"
----- Original Message -----
From: "Ev Tupis (W2EV)" <w2ev@arrl.net>
Subject: [aprssig] Re: FT-1500m Mounting Insights

> > I'm puzzeld why you think attaching a Yaesu 1500 to a KPC-3 (that *is* what
> > we're talking about, isn't it) using velcro would result in a reduced
> > airflow.
>
> Without a fan, I'm assuming that the cooling is done by convection. Blocking
> airflow from "under" seems detrimental. Unfounded concern?

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474. [aprssig] RE: Kenwood D700

From: "Jason Rausch" <ke4nyv@msn.com>
Date: Tue, 19 Nov 2002 21:21:47
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-107915-2002.11.19-22.05.54--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

>No Mic hang-up box which should disable the PL and stop scanning
>when Mic is removed.

Sounds like someone is a Motorola fan, meee tooo, I'm a technician for a Motorola 2-way radio dealer.

73's
Jason KE4NYV
www.ke4nyv.com

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475. [aprssig] Lasers and sattelites.... What was the original topic?

From: "Ken Cechura" <kcechura@umr.edu>
Date: Tue, 19 Nov 2002 23:22:31 -0600
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-107935-2002.11.20-00.08.53--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

>>I mentioned the SIX 500 mW lasers on our next amateur satellite project
>>operating in the 808 nm range that should be able to be seen with a low
>>light level CCD camera and good lens (maybe?) (anyone confirm? Assume
>>500 mw optical power dispursed over a 90 degree beamwidth).

Yes this will infact work. I have much experience with lasers and infrared spectrum. 90° is a bit wide for a beam spread but if collimated correctly, this should be a fine way to go about it, especially with communications. I'd LOVE to help in any way I can either technically or morally in seeing this get done.

Sincerely, 73 de
Brian Kiepura KC8ESL

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476. [aprssig] Re: Lasers and sattelites.... What was the original topic?

From: David VanHorn <dvanhorn@cedar.net>
Date: Wed, 20 Nov 2002 00:33:39 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-107939-2002.11.20-00.17.20--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

At 11:22 PM 11/19/2002 -0600, Ken Cechura wrote:
>>>I mentioned the SIX 500 mW lasers on our next amateur satellite
>project
>>>operating in the 808 nm range that should be able to be seen with a
>low
>>>light level CCD camera and good lens (maybe?) (anyone confirm? Assume
>>>500 mw optical power dispursed over a 90 degree beamwidth).
>
>Yes this will infact work. I have much experience with lasers and
>infrared spectrum. 90° is a bit wide for a beam spread but if
>collimated correctly, this should be a fine way to go about it,
>especially with communications. I'd LOVE to help in any way I can
>either technically or morally in seeing this get done.

I'm not sure what else we can do at this point to help it work better.
I hsve the AVR outputting the messages in CW properly, it's basically ready to go.

I have all the SRAM and EEPROM unused, and one I/O pin open.
I have used roughly 25% of the code space.

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---

477. [aprssig] Re: FT-1500m Mounting Insights

From: "M. Schneider" <msokla@brightok.net>
Date: Wed, 20 Nov 2002 00:02:30 -0600
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-107956-2002.11.20-00.45.46--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Of course, if you use an Alinco DR-135T (either with the built-in TNC or an
external unit), you can use the ext. pwr jack to turn the radio on and off
with the ignition. This will also keep your vehicle from beaconing all day
long while you are at work. A very handy feature.

Mark Schneider
K5MAR

> Subject: Re: FT-1500m Mounting Insights
> From: "Ray McKnight - WB3ABN" <shortsheep@worldnet.att.net>
> Date: Tue, 19 Nov 2002 13:00:18 -0800
> X-Message-Number: 22
>
> snip<
>
> I'd be more concerned about an APRS system with an antenna mounted on
> the rear somewhere near the gas fill nozzle, keying automatically during
> fueling. But with vapor recovery nozzles in common use now, even that
> is a real small probability. But you are supposed to turn off radios
> and other non-intrinsically safe devices while fueling, but who really
> pays
> attention ;-)
>
> 73's
> Ray - WB3ABN
> Kingston, WA
>

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478. [aprssig] Aprs emergency plan

From: Kevin Deckert <kdeckert@mercuryspeed.com>
Date: Tue, 19 Nov 2002 09:03:36 -0800
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-107958-2002.11.20-01.35.11--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Having recently completed a request for funding through the canadian
government to establish APRS an asset to our Searh and Rescue operation
we learned a great deal about proposals.
Ours had to be very specific and detailed to get the funding. I made the

mistake of describing some specific equipment. In the year or more it took to "win" the proposal things changed, new equipment came out and software and many other unforseen things and each change was met with great resistance and took much discussion to modify it.
use generic names ie a Terminal Node Controller..not a Kantronics KPC-3+ that locks you into tight place.
even gps models can be a problem as new ones come along and others are outdated .
also I did not include specific radios simply because the Kenwood family of radios with built in TNC did fit in my old frame of thought about doing things as cost efficiantly as possible ie using existing equipment..
Ps ..I see Alinco is introducing a dual band APRS capable radio any one seen one.??

I see APRS as a tremendous tool for search and rescue and emergency coms. I live in the mountians, there are no cell phones and very limited repeaters outside of the local amateur ones ,the mountain top repeater near my home is at 6200', and covers an area that is immense 130 miles in diameter and maybe 3000 people live here 20 of which are hams and 3 of which use the repeater.APRS has found a special niche!
If any has question re the SAR_APRS proposal we worked on e mail me directly or on the list so any others can see the response as well.
Kevin Deckert, SAR Manger Clearwater SAR, emergency comms officer

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479. [aprssig] Portable Weather Station

From: "Peter \"Dakota\" Summerhawk" <dakotas@dotorg.org>
Date: Wed, 20 Nov 2002 01:36:46 -0700
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-107964-2002.11.20-03.21.03--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

I was just browsing the net and came across the link for a neat little one wire weather station, but it gets better, they have a Visor modual for the weather station/ Nice way to have a sweet little aprs station that can do weather and aprs all in a neat paclage. Thought I would share the link:
http://www.aag.com.mx/visorgen.html
N0WRE

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480. [aprssig] WinAPRS, Overlays and Eastern locatiions

From: sv1rd@nbg.gr
Date: Wed, 20 Nov 2002 12:47:47 +0200
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-107972-2002.11.20-05.32.15--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Dows anybody encountered problem with standard .pos files with Winaprs 2.6.1 using east Lon ?

eg
```
test!3800.00NT02400.00E#PHG5660
```
doesnt work at all

I reallise that Overlay files with Eastern Longitudes
1st needs to be negatives with W at the end not E
2nd seems to position wrong in map about 60km west.
eg
```
test!3800.00NT-02400.00W#PHG5660
```

or I missed something?

Tasos sv1rd@qsl.net

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481. [aprssig] Another low-cost ($114 US) GPS device suitable for trackers, D700, etc.

From: WA8LMF2@aol.com
Date: Wed, 20 Nov 2002 06:49:13 EST
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-107973-2002.11.20-06.33.38--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

I have mentioned, on this list, in the past the Tri-M Systems Smart Skymaster combination GPS Patch Antennna and 12-Channel Receiver.

[New low price and order info after recap of my previous post for the benefit of those that missed my original info.]

This unit is packaged in a 2" diameter, 5/8" high white plastic package similar to the standard antenna-only round GPS patches.

A coarsely-threaded 3/4" hollow steel stud about a 1/2 inch long sticks out of the bottom. You drill or punch a 3/4-inch hole in the vehicle roof or deck lid, insert the unit from the top and spin a matching plastic wingnut onto the stud from the bottom.

An 8-pin mini-DIN cable with a right-angle plug (same connector used on Macintosh serial ports) plugs into a female DIN socket in the center of the stud. The total clearance required under the mounting surface is about 1".

The other end of the 8-foot cable has the usual 9-pin DIN plug (for PC serial port data) and PS/2 plug (to tap 5VDC from a laptop's ext keyboard connector). The 8-pin connector in the receiver has a pin with a 1 PPS TTL timing output, but the cable assembly doesn't carrry it to the DB9 -- you would have to make your own cable by cutting up a Mac serial cord.

A cigarette-lighter plug with integral 5VDC-out switching regulator is included to power the unit if you don't want to use a laptop. This regulator caused massive RFI to the standard AM broadcast band and the 160/80M ham bands so I replaced it with another switcher I packaged in a heavily-shielded die-cast box.

I made a mag-mount adapter for this device by punching a 3/4" hole in the top of the cap from a Right Guard spray can, mounting the Skymaster on it and then gluing some magnetic rubber gasket material to the bottom with silicon rubber adhesive.

The unit automatically starts outputting $GPGGA, $GPRMC, $GPGSV, $GPVTG, $GPGLL, and $GPGSA strings at 4800-8-N-1 when powered up. I have had one hard-mounted on my Passat running continuously 24/7 for over a year now with excellent results. It simultaneously feeds my D700, laptop and a TigerTrak tracker. The 12 VDC drain with an 85%-efficient switching supply is about 70mA.

Having the antenna AND receiver roof-mounted has a considerable advantage. When the receiver is remotely located, the antenna must have a high-gain preamp in it to offset the astronomical coax loss, at 1600MHz, of the RG-58 or smaller cable typically used to connect remote GPS ants to receivers. These 15-20dB gain amps, are located directly behind low-Q broadband (not-frequency selective!) patch antennas. They easily overload, desense and go out of lock when you pass within a half-mile or so of the ever-increasing number of 1.9GHz PCS cell sites in urban areas. [Or if you frequent mountain tops with 2GHz microwave systems on them as I do!]

In the past, I was amazed to see that cheap "mouse-type" GPS units (such as the Delormes, Rand McNally, Pharos, etc) sitting on my dashboard inside the windshield actually remained in lock far better than a more expensive unit with remote external antenna. The common characteristic of all these units is that they use a PASSIVE antenna connected directly to the receiver front end with essentially zero feedline. With no active electronics in the antenna, they are far more immune to PCS overload.

This device is manufactured (or is it imported from Taiwan??) by Tri-M Engineering at:
http://www.tri-m.com/products/systems/smartskymaster.html

Quoting from the Prairie Geomatics website (their Canadian distributer located in Manitoba, CA) at:
http://www.prairie.mb.ca/tri-m.htm :
"Not just an antenna... but a 12 parallel GPS and antenna in one small, roof-mountable enclosure. Perfect for vehicle/motorhome use with a laptop running any of the readily available mapping programs. Power can be supplied by the included cigarette lighter plug or from the PS2 port of a laptop
NEW PRODUCT - NEW LOW PRICE ---> $114 US <--- $185 CDN"

Remember that with NAFTA, there is now no tarrif or hassle ordering stuff
from Canadian dealers from US addresses.

Stephen H. Smith   wa8lmf @ aol.com
Home Page: http://wa8lmf.com
Ham Radio/Mobile SSTV page: http://members.aol.com/wa8lmf/ham
APRS Stuff
http://members.aol.com/wa8lmf/aprs

| Radio Communications Systems   Personal Computers
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482. [aprssig] Turning a MDT-870 into a APRS station

From: Jonathan R Brockmeier <brockj@hope.edu>
Date: Wed, 20 Nov 2002 08:47:57 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-107984-2002.11.20-08.32.02--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

I am working on turning a MDT-870 (old Mobile Data terminals from police cars) into packet stations for APRS/ARES use.

It has a 80c85 processor in it (Yes I know it is old, but the county has 160 of them for us if we can use them) and I am looking for some assembly code or something that is just not a description of the protocal to convert to this box.

Any leads I can take?

73's
KB8SWB
Jon Brockmeier
Ottawa County Digital EC

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483. [aprssig] Re: Turning a MDT-870 into a APRS station

From: "Mark Fellhauer" <sparkfel@qwest.net>
Date: Wed, 20 Nov 2002 09:35:40 -0600
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-107987-2002.11.20-10.21.09--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

At 07:47 AM 11/20/02, Jonathan R Brockmeier wrote:

>It has a 80c85 processor in it (Yes I know it is old, but the county has 160
>of them for us if we can use them) and I am looking for some assembly code or
>something that is just not a description of the protocal to convert to this
>box.
>
>Any leads I can take?

Yes.   I think the best recomnedation is to throw them in a dumpster and send them on their way to a landfill...   Trying to convert an aged MDT into an APRS terminal is like trying to convert a 1974 Ford Pinto into an airplane.

73,

Mark
KC7BXS

---
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484. [aprssig] Re: Another low-cost ($114 US) GPS device suitable for trackers, D700, etc.

From: bherrman@spro.net
Date: Wed, 20 Nov 2002 09:46:54 -0700
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-107992-2002.11.20-11.31.04--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

WA8LMF Wrote:
> I have mentioned, on this list, in the past the Tri-M Systems
> Smart Skymaster combination GPS Patch Antennna and 12-Channel
> Receiver.

I'll second everything Stephen said about the Smart Skymaster. I have
one and have been very pleased with the performance.

> This unit is packaged in a 2" diameter, 5/8" high white plastic
> package similar to the standard antenna-only round GPS patches.

I'll mention that the unit can be painted so long as you don't use a
metallic paint. (Asked the distributor and mine is now painted.) The
web site shows them as black which would have worked well with my black
vehicle. White wasn't such a good choice.... One tip there - I called
an auto body shop and asked them if they could paint it for me the next
time they were doing a black vehicle. I took it down on a piece of
cardboard and they did a very nice job of it. I've done painting before
and have the equipment, but paint doesn't come in small quantities.
This was a much better option. On the roof it's barely noticeable.

> You drill or punch a 3/4-inch hole in the vehicle roof

I found a 3/4" hole was just a bit tight and had to file the edges
slightly. YMMV

> from Canadian dealers from US addresses.

They do have a US distributor as well, but the Canadian one was much
more helpful so I ordered from them. Very fast service and nice people
to deal with. I wanted to know how long the cable was and the sales guy
took one out of the box unrolled it and measured it for me. It's 10'
BTW.

Bill

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485. [aprssig] Re: Portable Weather Station

From: "Peter \"Dakota\" Summerhawk" <dakotas@dotorg.org>
Date: Wed, 20 Nov 2002 11:48:37 -0700
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-108015-2002.11.20-13.32.47--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

I guess my question would be of anyone has tried to get this to work with
pocket aprs for a emergency deployment station? Might be handy to have for a
weather station for the fire season. Have a weather station that is
transmitting WX at the fire command post. I was thinking of the
handspring,GPS, D7, and the weather station with the module..
Thanks
N0WRE
----- Original Message -----
From: "Russ Chadwick" <kb0tvj@peakpeak.com>
To: "Peter "Dakota" Summerhawk" <dakotas@dotorg.org>
Sent: Wednesday, November 20, 2002 6:04 AM
Subject: Re: [aprssig] Portable Weather Station

> Peter,
>
> The links to T238 from www.wxqa.com show an APRS interface to the 1-Wire
> weather station.
>

```
> Russ Chadwick   KBØTVJ
> Boulder, Colorado
> www.wxqa.com
>
> ----- Original Message -----
> From: "Peter "Dakota" Summerhawk" <dakotas@dotorg.org>
> To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
> Sent: Wednesday, November 20, 2002 8:36 AM
> Subject: [aprssig] Portable Weather Station
>
>
> > I was just browsing the net and came across the link for a neat little
one
> > wire weather station, but it gets better, they have a Visor modual for
the
> > weather station/ Nice way to have a sweet little aprs station that can
do
> > weather and aprs all in a neat paclage. Thought I would share the link:
> > http://www.aag.com.mx/visorgen.html
> > N0WRE
> >
> >
> > ---
> > You are currently subscribed to aprssig as: kb0tvj@peakpeak.com
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> > Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org
> >
> >
>
>


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486. [aprssig] Re: Another low-cost ($114 US) GPS device suitable for trackers...

From: WA8LMF2@aol.com
Date: Wed, 20 Nov 2002 14:50:01 EST
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-108017-2002.11.20-14.34.23--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

```
In a message dated 11/20/2002 8:46:22 AM Pacific Standard Time,
bherrman@spro.net writes:

> The
>  web site shows them as black which would have worked well with my black
>  vehicle. White wasn't such a good choice....

Here in the brutal heat and intense sun of southern California, I definitely
WOULD NOT want the thing painted black!  It would almost certainly cook
itself to death.  The original white is the only color to have here.


Stephen H. Smith                    wa8lmf @ aol.com
Home Page:                                          http://wa8lmf.com
Ham Radio/Mobile SSTV page:     http://members.aol.com/wa8lmf/ham
APRS Stuff
http://members.aol.com/wa8lmf/aprs

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|    File Conversions       MS-Windows Setups       Networking


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487. [aprssig] Re: Kenwood D700 and GPS mapping

From: Henk de Groot <henk.de.groot@hetnet.nl>
Date: Mon, 18 Nov 2002 20:32:19 +0100
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-108018-2002.11.20-15.06.54--lyris.aprssig#tapr.org@lists.tapr.org>

Rendered body type: text/plain

Hello Darryl,

At 20:26 18-11-02 +1100, Darryl Smith wrote:
>Well... I am working on that. I have just managed to get a PIC to upload
>a position to the eTrex. I now need to write some parsing code... My
>first task is very much an UPLOAD of waypoints, since I need that for my
>anti-tracker.

You can make an better anti-tracker! There is hacking software floating around on The Internet to replace the Icons in the eTrex with other Icons. There exists a "Land Release" and "Mountain Bike Release" for hikers and bikers. I have been thinking about an APRS Release by putting in APRS Icons in the eTrex instead.

When you have an eTrex with APRS icons then it should be possible to put the correct icons on the screen and making a kind of mini viewer that is better when just having bullits (when using the Garmin protocol you can select the icon you want). Of course this would be restricted to the eTrex, but that is also one of most affordable GPSses with a screen.

If you don't want to mess with the firmware you can of course also try to map the APRS icons to one of the stock icons that fits best.

Just an idea - I think you definately need a bigger PIC processor :-) :-)

Kind regards,

Henk.

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488. [aprssig] USB to Serial and Dallas Semi / AAG wx station...

From: "Mike Yetsko" <myetsko@insydesw.com>
Date: Wed, 20 Nov 2002 16:21:11 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-108022-2002.11.20-16.06.22--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

A couple of quick questions...

First, I'm writing an application that use a weather station (just
pressure,
temp, and hum) and I want to try to use the roof top unit that used
to come from Dallas Semiconductor (the 1-Wire thing for use with
the T-238) as an 'aux' input for wind direction and speed. Not to
mention a second temp, and maybe add the rain bucket too.

Anyway, while I have two serial ports on my machine, I also use them for other things.

One time, quite some time ago, I saw a 4-port serial hub that ran on
the USB. Is that still being made? Or is my best bet to just get a
4-port
USB hub and then put in USB-serial cables as needed?

The other question concerns the weather unit. For direct PC use, it uses the serial to 1-wire converter. Are the RS-232 levels on a USB to serial converter robust enough to then power a serial to 1-wire converter to power the station? Anyone try this yet?

If not, I will have to try it... But I thought if maybe someone else
already
did they might give me some 'heads up'.

Oh, finally, I just ordered one of the weather units from AAG. Any feedback, pro or con, on dealing with them and getting the product from Mexico to here? I put the units on a credit card, but they only accept "Pay Pal".

Mike

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489. [aprssig] Re: USB to Serial and Dallas Semi / AAG wx station...

From: "Curt Mills, WE7U" <hacker@tc.fluke.com>
Date: Wed, 20 Nov 2002 13:26:43 -0800 (PST)
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: TAPR APRS Special Interest Group <aprssig@lists.tapr.org>
Message-ID: <LYR842-108023-2002.11.20-16.11.03--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

```
On Wed, 20 Nov 2002, Mike Yetsko wrote:

> If not, I will have to try it...  But I thought if maybe someone else
> already
> did they might give me some 'heads up'.

The weather stations sometimes don't work on regular PC serial
ports, depending on the voltage.  You might get lucky.


> Oh, finally, I just ordered one of the weather units from AAG.  Any
> feedback, pro or con, on dealing with them and getting the product
> from Mexico to here?  I put the units on a credit card, but they only
> accept "Pay Pal".

They also only ship FedEx to the U.S., which will cost you something
like $30 or $35 just for shipping.

A friend just bought one from them a couple of weeks ago, and he got
it very fast.

I want to get one too, but it's not high enough on the list yet.

--
Curt Mills, WE7U                    hacker_NO_SPAM_@tc.fluke.com
Senior Methods Engineer/SysAdmin
"Lotto:    A tax on people who are bad at math!"
"Windows:  Microsoft's tax on computer illiterates!" -- WE7U
"The world DOES revolve around me:  I picked the coordinate system!"


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490. [aprssig] Re: USB to Serial and Dallas Semi / AAG wx station...

From: David VanHorn <dvanhorn@cedar.net>
Date: Wed, 20 Nov 2002 16:35:39 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-108024-2002.11.20-16.19.42--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

```
>
>One time, quite some time ago, I saw a 4-port serial hub that ran on the USB.  Is that still being
made?  Or is my best bet to just get a 4-port USB hub and then put in USB-serial cables as needed?

Never seen one.



>The other question concerns the weather unit.  For direct PC use, it uses the serial to 1-wire
converter.  Are the RS-232 levels on a USB to serial converter robust enough to then power a serial to
1-wire converter to power the station?  Anyone try this yet?

No way to know.  It's totally bogus in all respects.
232 was never meant to power anything, period.
That being said, they have the same drive specs as anything else, so it could work.



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491. [aprssig] Re: USB to Serial and Dallas Semi / AAG wx station...

From: David VanHorn <dvanhorn@cedar.net>
Date: Wed, 20 Nov 2002 16:38:59 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: TAPR APRS Special Interest Group <aprssig@lists.tapr.org>
Message-ID: <LYR842-108025-2002.11.20-16.23.13--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

One of these days, there will be a TNC-like device that takes 1-wire weather directly, and GPS input.

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---

492. [aprssig] Re: Portable Weather Station

From: "Curt Mills, WE7U" <hacker@tc.fluke.com>
Date: Wed, 20 Nov 2002 16:09:25 -0800 (PST)
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: TAPR APRS Special Interest Group <aprssig@lists.tapr.org>
Message-ID: <LYR842-108030-2002.11.20-18.53.37--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

On Wed, 20 Nov 2002, Peter "Dakota" Summerhawk wrote:

> I was just browsing the net and came across the link for a neat little one
> wire weather station, but it gets better, they have a Visor modual for the
> weather station/ Nice way to have a sweet little aprs station that can do
> weather and aprs all in a neat paclage. Thought I would share the link:
> http://www.aag.com.mx/visorgen.html

We just finished adding support for this into Xastir a few weeks ago. I borrowed one for this exercise. We use the OOW (One-Wire Weather) daemon to talk to it, and then Xastir talk to OOW. Seems to work well.

--
Curt Mills, WE7U   hacker_NO_SPAM_@tc.fluke.com
Senior Methods Engineer/SysAdmin
"Lotto: A tax on people who are bad at math!"
"Windows: Microsoft's tax on computer illiterates!" -- WE7U
"The world DOES revolve around me: I picked the coordinate system!"

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493. [aprssig] About W7LUS - Back "On the Road Again"!

From: "John Langtry, VE3NEC" <ve3nec@sympatico.ca>
Date: Wed, 20 Nov 2002 22:19:04 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: aprssig@lists.tapr.org
Message-ID: <LYR842-108043-2002.11.20-22.03.14--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Greetings Peter,

As much as you are due your vacation / retirement, it certainly will be great to have The Travelling Ambassidor of A.P.R.S. back on the road again !!!

Your many journies across N.A. really caputured the "spirit" of what APRS is all about ! (And many thanks for the numerous talks and demo's which you gave to the young folks; it was (and will be great !!!!)

And, <grin> as always, I'll be keeping an "eye" on your movements !

Welcome back, Peter !!!

vy 73 de John VE3NEC
905-873-8715

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494. [aprssig] Testing emergency beacon this weekend

From: "Peter \"Dakota\" Summerhawk" <dakotas@dotorg.org>
Date: Wed, 20 Nov 2002 23:18:36 -0700
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-108062-2002.11.21-01.02.58--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

I will be testing the emergency beacon in my D7 this weekend. The call will be N0WRE-7 and the status text will be: testing If you see this on your screen please ignore it as I will be at the house monitoring it on my home PC. I am planning on a back country hike next weekend and will be using the system only for emergency to perserve the batteries. I am going to post this to several lists so if you get more than one copy then I am sorry for the duplication.
Thanks,
Peter- N0WRE Cheyenne WY USA

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495. [aprssig] Standard SSIDs

From: ERIC CHRISTENSEN <christensene@mebtel.net>
Date: Thu, 21 Nov 2002 02:24:25 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-108064-2002.11.21-01.09.52--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Can someone tell me what the standard SSIDs are in APRS, please?

Thanks,
Eric KF4OTN

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496. [aprssig] Very interesting article...

From: N0ESC-APRS <n0esc-aprs@charter.net>
Date: Thu, 21 Nov 2002 02:14:13 -0600
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-108067-2002.11.21-03.02.40--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Hey:

I came across this on Slashdot today and find it kind of interesting.

http://slashdot.org/articles/02/11/21/017201.shtml?tid=126

I wonder just exactly how many people are gonna pay up to 65$ a month for something like that.

Michael J
N0ESC

---
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497. [aprssig] Re: Very interesting article...

From: "Mark Fellhauer" <sparkfel@qwest.net>
Date: Thu, 21 Nov 2002 04:00:32 -0600
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-108068-2002.11.21-04.46.37--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

At 02:14 AM 11/21/02, N0ESC-APRS wrote:

>I wonder just exactly how many people are gonna pay up to 65$ a month for
>something like that.

Maybe not individuals, but I know someone with 400 rental houseboats that would be interested. Not to mention half the trucking and cab companies in the world. It's very annoying when a driver dissapears with a $250,000 Vactor Truck...and doesn't answer his radio or cell phone. Now we can figure out which "adult entertainment" lounge he's at without having to drive around town. I used to work for a newspaper and one of our Teamster drivers "quit" his route in the middle, leaving a very expensive Propane-powered Step Van by the side of the road, with the keys in the ignition, and 4000 undelivered newspapers in the back. I found him in a tavern 2 blocks away and he was 3 sheets to the wind. It took about two hours to realize he was overdue and to find the truck. We then had to wait another hour for a replacement driver to show up. That kind of behavior among drivers was not that uncommon.

If I coulda offered something like this 4 years ago to clients, I'd be living in Las Vegas right now, instead of Sioux Falls... ;)

73,

Mark
KC7BXS

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498. [aprssig] Re: Standard SSIDs

From: "Dick Stanich" <dick@kb7zva.com>
Date: Thu, 21 Nov 2002 6:9:19
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-108069-2002.11.21-06.53.33--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

On 11/21/02, "ERIC CHRISTENSEN <christensene@mebtel.net>" wrote:
> Can someone tell me what the standard SSIDs are in APRS, please?
>
> Thanks,
> Eric KF4OTN

ID #	Name
1	Ambulance
2	Bus
3	Fire Vehicle
4	Bicycle
5	Sailboat
6	Helicopter
7	Aircraft
8	Power Boat
9	Car
10	Motorcycle
11	Balloon
12	Jeep
13	Recreation Vehicle
14	Truck
15	Van

Dick, KB7ZVA
APRSWest.net
http://kb7zva.com

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499. [aprssig] Re: Very interesting article...

From: Gerry Creager N5JXS <gerry.creager@tamu.edu>
Date: Thu, 21 Nov 2002 08:04:03 -0600
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: TAPR APRS Special Interest Group <aprssig@lists.tapr.org>
Message-ID: <LYR842-108075-2002.11.21-08.47.44--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

More than you might think. And, the size they're talking about is
pretty reasonable. It's not compatible with Cows In Space, but
certainly worth modifying to get there!

gerryn5jxs

N0ESC-APRS wrote:
> Hey:
>
> I came across this on Slashdot today and find it kind of interesting.
>
> http://slashdot.org/articles/02/11/21/017201.shtml?tid=126
>
> I wonder just exactly how many people are gonna pay up to 65$ a month
> for something like that.
>
> Michael J
> N0ESC
>
>
> ---
> You are currently subscribed to aprssig as: gerry.creager@tamu.edu
> To unsubscribe send a blank email to leave-aprssig-842K@lists.tapr.org
> Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

--
Gerry Creager -- gerry.creager@tamu.edu
Network Engineering, Academy for Advanced Telecommunications
Texas A&M University, College Station, TX
Office: 979.458.4020 FAX: 979.847.8578 Cell: 979.229.5301
Page: 979.228.0173 -or- gcreager@my2way.com

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500. [aprssig] Re: [Bob Bruninga] [Bob Bruninga] Re: proposal for APRS digi cluster, please comment

From: "Gregg G. Wonderly" <gregg@skymaster.cytetech.com>
Date: Thu, 21 Nov 2002 08:07:03 -0600
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: TAPR APRS Special Interest Group <aprssig@lists.tapr.org>
Message-ID: <LYR842-108076-2002.11.21-08.51.28--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

>On Fri, 15 Nov 2002, Gregg G. Wonderly wrote:
>
>>
>> >Yes, exactly the point, thanks for the comment.... APRS is designed for
>> >mobiles. Mobiles have on the order of 10 to 30 dB of additional path loss
>> >(remember, it only takes a 1 millisecond mobile flutter to kill a packet)
>>
>> Maybe the next revolution in TNCs will include a PSK mode so that we don't
>> have doppler problems at higher baud rates while mobile. I guess many
>> commercial mobile data services already do this...
>
>Its not Doppler, its mobile flutter caused by multipath.

I guess then that we might be able do deal with multipath using a GPS aimed
yagi, or a dynamically aimed patch antenna to get a stronger signal from a
single direction, into the digi.. I am trying to address this issue for
mobile ATV usin a GPS aimed 3-element yagi. But, a dynamically aimed patched
antenna might create less of a scene driving down the road...

-----
gregg@cytetech.com (Cyte Technologies Inc)

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501. [aprssig] Re: Standard SSIDs

From: "Don" <kyham@alltel.net>
Date: Thu, 21 Nov 2002 09:25:37 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-108078-2002.11.21-09.10.41--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

```
Unfortunately they are just suggestions.   According to my UI-VIEW map right
now, using the list, there are about 5 ambulances, 15 aircraft that haven't
moved in at least 4 hours, 12 motorcycles, 5 buses, 9 helicopters, a couple
of bicycles, 3 fire vehicles, 3 balloons, 23 trucks, 9 jeeps, and at least 4
sailboats in houses.  :))

And that is just in IN & KY.

Don            K9SOA   (EM77EX)
HF-2m-70cm-APRS
www.k9soa.net

Home of JEANNIE
The House That Listens
As seen on HGTV's Dream Builder Show
and the Featured Home of the Month
Home Automation magazine
March 2002 issue


----- Original Message -----
From: Dick Stanich <dick@kb7zva.com>
To: TAPR APRS Special Interest Group <aprssig@lists.tapr.org>
Sent: Thursday, November 21, 2002 12:00 AM
Subject: [aprssig] Re: Standard SSIDs


> On 11/21/02, "ERIC CHRISTENSEN <christensene@mebtel.net>" wrote:
> > Can someone tell me what the standard SSIDs are in APRS, please?
> >
> > Thanks,
> > Eric KF4OTN
>
> ID # Name
> 1 Ambulance
> 2 Bus
> 3 Fire Vehicle
> 4 Bicycle
> 5 Sailboat
> 6 Helicopter
> 7 Aircraft
> 8 Power Boat
> 9 Car
> 10 Motorcycle
> 11 Balloon
> 12 Jeep
> 13 Recreation Vehicle
> 14 Truck
> 15 Van
>
> Dick, KB7ZVA
> APRSWest.net
> http://kb7zva.com
>
> ---
> You are currently subscribed to aprssig as: kyham@alltel.net
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> Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org
>


---
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```

502. [aprssig] 18 wheeler problems

From: "W7LUS - Peter" <w7lus@winlink.org>
Date: Thu, 21 Nov 2002 8:34:13
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-108079-2002.11.21-09.18.30--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Actually the problem isn't with the truck but I certainly am having grief with something within the laptop. W4ERL thinks it is Win 98! If I leave the Sprint air card enabled and AprsPlus running after a rather long time the screen kinda goes wierd. I can't really tell much because when I try to find the problem all I get is an error message from the operatig system that I have run out of resources or something like that. All I can do at that point is reboot.

One other mnor problem is when I bought the GPS at Radio Shack I forgot to get the power/data cord. A data cord comes with it but you already probably know that a GPS just won't run long on its batteries. I called Radio Shack and they have zero assc. I called Megellan they gave me some other local places...nothing! So I have ordered the cables and a mount from the Internet and will have those when I hit home next week about Monday night ot Tuesday.

JOe, W4ERL, suggests I install Win XP home. That means I should upgrade from 64meg mem, replace the 4 meg hard drive....man what have I gotten myself into. Probably what I should do is go to my boat and get my HF and VHF rigs buy anther mobile screw drive antenna and spend a day or so installing in a truck that I dodn't intend on keeping for no more than 4-6 months! What to do? I gues we'll try to get the Sprint air card and the operating system to cooperate somehow, if that is the problem. When all the necessary components are in place and running I am down to resource available of 62 percent. I think that should be ok. AprsPlus uses the most...about 20 percent.

Here's another thought...I downloaded a 2 meg upgrade to flash the air card. After that when I would monitor AprsPlus I wouldn't see any stations come up on the screen but the byte counter was eating up the bytes and the computer simulators in the bottom right tray was flashing like crazy. When I attempted to download an upgrade for AprsPlus the was no dialog box to show up but I was using up bytes downloading but I have no idea where they were going. I dumped the download and reinstalled the orginal Sprint software from their CD and everything came back to normal. Thought I got a bad download so downloaded again with same results. I am just throwing this out there to see if this info might help. I'll try to do the download from the computer at home and if I get the same results then I get to yell real loud at Sprint! Lotta good that'll do!

So any ideas?

I'll get back on Aprs 18 wheeled mobile one way or another, I promise!

Peter - W7LUS

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Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

---

503. [aprssig] Re: About W7LUS - Back "On the Road Again"!

From: Bob Bruninga <bruninga@usna.edu>
Date: Thu, 21 Nov 2002 10:19:55 -0500 (EST)
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: TAPR APRS Special Interest Group <aprssig@lists.tapr.org>
Message-ID: <LYR842-108085-2002.11.21-10.04.19--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

John Langtry, VE3NEC wrote about W4LUS the Roadwarrior extrordinare:

> Greetings Peter
> As much as you are due your vacation / retirement, it certainly
> will be great to have The Travelling Ambassidor of A.P.R.S.
> back on the road again !!!

Now that we are making some progress with getting all the WIDEn-N digis in the country on to the NOID standard, so that the originating DIGIpeater data is not obliterated by ID digis, the experiment I am dying to conduct is to get some trucker to just put a TNC (no GPS) on his rig, and set it to beacon once every 10 minutes ONLY a BText via the path of WIDE,WIDE2-2.

Then see if we can track him (without GPS) all over the country by watching the PATH and seeing DIGIx,WIDE2-n.

This is called "viciniity tracking" and is built into APRSdos. It works like this:

If you hear a new station and have no position data from that station,

APRSdos places him on the map (using a big questino mark ICON) within a 1
mile vicinity of the DIGIx where his packet was first heard. The "?" ICON
shows all observers that this is a "vicinity" plot and is not real.
Further, the plot uses an ambiguity circle as well just to make sure no
one missinterprets the plot.

But for long distance travelers all over the country, this is a convenient
way to at least show what town or city he is in. And the REAL neat
thing about it is:

1) It needs no GPS
2) It works in buildings and under things which otherwise block GPS
3) A TNC and XMTR can be built into a cigarette pack and since it only
transmits a single 1 sec packet once every 10 minutes or hour or so, it
can run a YEAR on just 4 AA cells...

A nice way to track objects of HAM radio interest...

de WB4APR, Bob

> Welcome back, Peter !!!
>
> vy 73 de John VE3NEC

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To unsubscribe send a blank email to leave-aprssig-842K@lists.tapr.org
Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

504. [aprssig] Re: Very interesting article...

From: larry Also <larrytooalso@yahoo.com>
Date: Thu, 21 Nov 2002 08:24:56 -0800 (PST)
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-108091-2002.11.21-11.09.12--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Something like this was promised "real soon now" about ten years ago. We looked at it for use down south. Problem was that the operators would just cause it to "turn off" when they didn't want to be tracked. I demo'd it around the canal zone for about a week, worked fine. What we used was basically APRS via satelite to a provider in GB, used the MARSATs as I recall.
N0ESC-APRS <n0esc-aprs@charter.net> wrote:Hey:

I came across this on Slashdot today and find it kind of interesting.

http://slashdot.org/articles/02/11/21/017201.shtml?tid=126

I wonder just exactly how many people are gonna pay up to 65$ a month for
something like that.

Michael J
N0ESC

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----
Do you Yahoo!?
Yahoo! Mail Plus - Powerful. Affordable. Sign up now

505. [aprssig] Re: FT-1500m Mounting Insights

From: larry Also <larrytooalso@yahoo.com>
Date: Thu, 21 Nov 2002 08:42:52 -0800 (PST)
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-108095-2002.11.21-11.27.05--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

You mean those with the gas tank in the cab, right behind the driver?
Mike Yetsko <myetsko@insydesw.com> wrote:. (Like the
old trucks that put the filler cap right by the drivers window, and
configured so that if the vehicle had any forward movement while it
was on it's side, it would unscrew and open the gas cap!)

Do you Yahoo!?
Yahoo! Mail Plus - Powerful. Affordable. Sign up now

506. [aprssig] Re: [Bob Bruninga] [Bob Bruninga] Re: proposal for APRS digi cluster, please comment

From: Bruce Gordon <bgordon@rain.org>
Date: Thu, 21 Nov 2002 08:47:05 -0800
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: TAPR APRS Special Interest Group <aprssig@lists.tapr.org>
Message-ID: <LYR842-108096-2002.11.21-11.29.48--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

```
Hi all,

A much more practical approach would be to use diversity reception.  The
antenna separation required at 144.30 is large but possible and the
receiver is not all that difficult with todays parts.  Might even be
able to adapt the IF and combiners from old analog cell sites that now
litter the dump.

Bruce Gordon N6OLT

"Gregg G. Wonderly" wrote:
>
> >On Fri, 15 Nov 2002, Gregg G. Wonderly wrote:
> >
> >>
> >> >Yes, exactly the point, thanks for the comment....  APRS is designed for
> >> >mobiles.  Mobiles have on the order of 10 to 30 dB of additional path loss
> >> >(remember, it only takes a 1 millisecond mobile flutter to kill a packet)
> >>
> >> Maybe the next revolution in TNCs will include a PSK mode so that we don't
> >> have doppler problems at higher baud rates while mobile.  I guess many
> >> commercial mobile data services already do this...
> >
> >Its not Doppler, its mobile flutter caused by multipath.
>
> I guess then that we might be able do deal with multipath using a GPS aimed
> yagi, or a dynamically aimed patch antenna to get a stronger signal from a
> single direction, into the digi..  I am trying to address this issue for
> mobile ATV usin a GPS aimed 3-element yagi.  But, a dynamically aimed patched
> antenna might create less of a scene driving down the road...
>
> -----
> gregg@cytetech.com  (Cyte Technologies Inc)
>
> ---
> You are currently subscribed to aprssig as: bgordon@rain.org
> To unsubscribe send a blank email to leave-aprssig-842K@lists.tapr.org
> Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

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507. [aprssig] Re: About W7LUS - Back "On the Road Again"!

From: "W7LUS - Peter" <w7lus@winlink.org>
Date: Thu, 21 Nov 2002 11:12:36
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-108097-2002.11.21-11.57.08--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

```
Hi Bob....
Well your wish is almost about to happen. If you hadn't read I will be back
on RF within probably 6 months if not sooner.

I should be using your software so I can be familar with it again but I am
not sure if it'll get on the Internet.

73 - Peter

---
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---

508. [aprssig] Re: Very interesting article...

From: psschwarz@kellnet.com
Date: Thu, 21 Nov 2002 17:19:08 GMT
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-108098-2002.11.21-12.12.21--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

N0ESC-APRS writes:

> Hey:
>
> I came across this on Slashdot today and find it kind of interesting.
>
> http://slashdot.org/articles/02/11/21/017201.shtml?tid=126
>
> I wonder just exactly how many people are gonna pay up to 65$ a month for
> something like that.
>
> Michael J
> N0ESC

it would be interesting to see how many people remove the battery from the
unit. a better way to ensure its operation is to hardwire the unit to the
vehicle electric system with a voltage down-converter (since big trucks have
a 24-volt system rather than 12-volts like normal autos) to the proper
voltage.

patrick...kb8rtz...

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509. [aprssig] Re: [Bob Bruninga] [Bob Bruninga] Re: proposal for APRS digi cluster, please comment

From: Bob Bruninga <bruninga@usna.edu>
Date: Thu, 21 Nov 2002 12:37:46 -0500 (EST)
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: TAPR APRS Special Interest Group <aprssig@lists.tapr.org>
Message-ID: <LYR842-108099-2002.11.21-12.23.26--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Yes, spacial diversity with IF combiners would do GREAT to improve APRS
reliability to a given digipeater. But since 99.9% of the digis wont ever
do that, it is probably best if users learn to plan their operations
around normal digis... (which will show only about 30% of the range with a
mobile of a comparable voice repeater)..

Probably
Bob

On Thu, 21
Nov 2002, Bruce Gordon wrote:

> A much more practical approach would be to use diversity reception. The
> antenna separation required at 144.30 is large but possible and the
> receiver is not all that difficult with todays parts. Might even be
> able to adapt the IF and combiners from old analog cell sites that now
> litter the dump.
>
> Bruce Gordon N6OLT
>
> "Gregg G. Wonderly" wrote:
> >
> > >On Fri, 15 Nov 2002, Gregg G. Wonderly wrote:
> > >
> > >>
> > >> >Yes, exactly the point, thanks for the comment.... APRS is designed for
> > >> >mobiles. Mobiles have on the order of 10 to 30 dB of additional path loss
> > >> >(remember, it only takes a 1 millisecond mobile flutter to kill a packet)
> > >>
> > >> Maybe the next revolution in TNCs will include a PSK mode so that we don't
> > >> have doppler problems at higher baud rates while mobile. I guess many
> > >> commercial mobile data services already do this...

> > >
> > >Its not Doppler, its mobile flutter caused by multipath.
> >
> > I guess then that we might be able do deal with multipath using a GPS aimed
> > yagi, or a dynamically aimed patch antenna to get a stronger signal from a
> > single direction, into the digi.. I am trying to address this issue for
> > mobile ATV usin a GPS aimed 3-element yagi. But, a dynamically aimed patched
> > antenna might create less of a scene driving down the road...
> >
> > -----
> > gregg@cytetech.com (Cyte Technologies Inc)
> >
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> Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org
>

de WB4APR@amsat.org, Bob

PCsat WEB page	http://www.ew.usna.edu/~bruninga/pcsat.html
ISS-APRS FAQ:	http://www.ew.usna.edu/~bruninga/iss-faq.html
CUBESAT Designs	http://www.ew.usna.edu/~bruninga/cubesat.html
APRS LIVE pages	http://www.ew.usna.edu/~bruninga/aprs.html
APRS SATELLITES	http://www.ew.usna.edu/~bruninga/astars.html
MIM/Mic-E/Mic-Lite	http://www.toad.net/~wclement/bruninga/mic-lite.html

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510. [aprssig] Re: About W7LUS - Back "On the Road Again"!

From: Bob Bruninga <bruninga@usna.edu>
Date: Thu, 21 Nov 2002 12:43:32 -0500 (EST)
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: TAPR APRS Special Interest Group <aprssig@lists.tapr.org>
Message-ID: <LYR842-108100-2002.11.21-12.27.55--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Yep, Saw the messages about you, but realized tht you would have GPS
probably. Im looking for a trucker with just a TNC and radio to see how
well we can at least see his city...

bob
On Thu, 21 Nov 2002, W7LUS - Peter
wrote:

> Hi Bob....
> Well your wish is almost about to happen. If you hadn't read I will be back
> on RF within probably 6 months if not sooner.
>
> I should be using your software so I can be familar with it again but I am
> not sure if it'll get on the Internet.
>
> 73 - Peter
>
> ---
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>

de WB4APR@amsat.org, Bob

PCsat WEB page	http://www.ew.usna.edu/~bruninga/pcsat.html
ISS-APRS FAQ:	http://www.ew.usna.edu/~bruninga/iss-faq.html
CUBESAT Designs	http://www.ew.usna.edu/~bruninga/cubesat.html
APRS LIVE pages	http://www.ew.usna.edu/~bruninga/aprs.html
APRS SATELLITES	http://www.ew.usna.edu/~bruninga/astars.html
MIM/Mic-E/Mic-Lite	http://www.toad.net/~wclement/bruninga/mic-lite.html

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511. [aprssig] Re: SSTV encoder - Captioning and VIS Info

From: larry Also <larrytooalso@yahoo.com>
Date: Thu, 21 Nov 2002 09:54:41 -0800 (PST)
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-108101-2002.11.21-12.38.53--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

I used a system several years ago that recorded time taged linescanner video on S-VHS tape and GPS position/time and digital photos to HD. Also had a digital map and waypoints. In playback, the GPS time was used to correlate all the data. Unfortunately, I was responsible for setting up the data sites, not for the technical details of how this was done.
David VanHorn <dvanhorn@cedar.net> wrote:

>
> The VIS is used solely to cause the receiving program to be able to
> auto-select from one of twenty-odd SSTV transmission modes before the picture
> is sent.

Chromapix talks about "caller id" or "CID", but so far, I haven't seen anything that tells how it's encided.

IMHO, APRN only works if we can get the pictures stored as files, with some link to the position and possibly callsign in the file name. With that, we can pull up pictures taken by K8XXX on dec 20th near XX.yyy ZZZ.aaa.

Without it, we are stuck with someone having to view the pix, and save them under searchable file names, which is incredibly tedious.

I think this is why APRN never really happened, because there was no way to really link the picture to the sender, and where it was sent from.

I see huge application here for NWS damage surveys, in that teams could just go out an shoot away, and let the system index everything.
The only thing you wouldn't get from this is which way the camera was pointed, and that should be pretty easy to figure if the pix are shot right.

I have some encoder chips that are easy to get ahold of and use, that can put text on top of NTSC video for callsign and position encoding, but that only solves it partially.

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----
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512. [aprssig] [amsat-bb] ANDE Satellite Laser CW!

From: Bob Bruninga <bruninga@usna.edu>
Date: Tue, 19 Nov 2002 13:55:40 -0500 (EST)
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: amsat-bb@amsat.org, TAPR APRS SIG <aprssig@lists.tapr.org>
Message-ID: <LYR842-108104-2002.11.21-13.30.31--lyris.aprssig#tapr.org@lists.tapr.org>
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Pic Programmer project for the next Amateur Satellite:

I mentioned the SIX 500 mW lasers on our next amateur satellite project operating in the 808 nm range that should be able to be seen with a low light level CCD camera and good lens (maybe?) (anyone confirm? Assume 500 mw optical power dispursed over a 90 degree beamwidth).

On Tue, 19 Nov 2002, Al Tencza responded:

> Bob, In Dec 92, Electronic News presented a build article for a Light
> Beam Communicator called Air Hop.... using a Fresnel lens... Perhaps if
> ANDE had a prerecorded ... message... to modulate one of the 808 nm
> beams then an Air Hop type receiver could be used to receive... it

Great idea! All we need is a PIC programmer to program a PIC with 6 TTL outputs to key these messages simultaneously at a 7 WPM rate, one for each orthogonal laser.

HI HI HI HI HI HI HI...
CQ CQ CQ CQ CQ CQ CQ...
73 73 73 73 73 73 73...
ANDE ANDE ANDE ANDE ANDE...
and two others...

They cannot be long sequences because the different strings are needed to be able to visually determine the optical SPIN rate of the satelite, so any one lazer may not be in view very long...

This can all be done in a SINGLE PIC chip and XTAL. Can someone familiar with PIC's give me a size and power budget for this circuit...? and be willing to program it up in the next month or so? We CAN FLY it maybe in place of the current dumb on-off keyer that ANDE was going to use... This circuit is needed by Jan if not before...

See the ANDE web page: http://www.ew.usna.edu/~bruninga/ande.html

de WB4APR@amsat.org, Bob

PCsat WEB page	http://www.ew.usna.edu/~bruninga/pcsat.html
ISS-APRS FAQ:	http://www.ew.usna.edu/~bruninga/iss-faq.html
CUBESAT Designs	http://www.ew.usna.edu/~bruninga/cubesat.html
APRS LIVE pages	http://www.ew.usna.edu/~bruninga/aprs.html
APRS SATELLITES	http://www.ew.usna.edu/~bruninga/astars.html

Via the amsat-bb mailing list at AMSAT.ORG courtesy of AMSAT-NA.
To unsubscribe, send "unsubscribe amsat-bb" to Majordomo@amsat.org

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Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

---

513. [aprssig] Re: 18 wheeler problems

From: "James" <kb7tbt@qsl.net>
Date: Thu, 21 Nov 2002 12:22:54 -0700
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-108105-2002.11.21-14.07.24--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

This may be out in left field, but when win98 installs into a laptop the power management settings are turned on by default, as you well know laptops are there own animal.

You may want to check for sleep modes and screen savers that are interrupting the flow of data.

KB7TBT Home Page
http://www.qsl.net/kb7tbt
DM33

In the 60's people took acid to make the world weird. Now the world is weird and people take Prozac to make it normal.

----- Original Message -----
From: "W7LUS - Peter" <w7lus@winlink.org>
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Sent: Thursday, November 21, 2002 08:34
Subject: [aprssig] 18 wheeler problems

> Actually the problem isn't with the truck but I certainly am having grief
> with something within the laptop. W4ERL thinks it is Win 98! If I leave
the
> Sprint air card enabled and AprsPlus running after a rather long time the
> screen kinda goes wierd. I can't really tell much because when I try to
> find the problem all I get is an error message from the operatig system
> that I have run out of resources or something like that. All I can do at
> that point is reboot.
>
> One other mnor problem is when I bought the GPS at Radio Shack I forgot to
> get the power/data cord. A data cord comes with it but you already
probably

> know that a GPS just won't run long on its batteries. I called Radio Shack
> and they have zero assc. I called Megellan they gave me some other local
> places...nothing! So I have ordered the cables and a mount from the
> Internet and will have those when I hit home next week about Monday night
> ot Tuesday.
>
> JOe, W4ERL, suggests I install Win XP home. That means I should upgrade
> from 64meg mem, replace the 4 meg hard drive....man what have I gotten
> myself into. Probably what I should do is go to my boat and get my HF and
> VHF rigs buy anther mobile screw drive antenna and spend a day or so
> installing in a truck that I dodn't intend on keeping for no more than 4-6
> months! What to do? I gues we'll try to get the Sprint air card and the
> operating system to cooperate somehow, if that is the problem. When all
the
> necessary components are in place and running I am down to resource
> available of 62 percent. I think that should be ok. AprsPlus uses the
> most...about 20 percent.
>
> Here's another thought...I downloaded a 2 meg upgrade to flash the air
> card. After that when I would monitor AprsPlus I wouldn't see any stations
> come up on the screen but the byte counter was eating up the bytes and the
> computer simulators in the bottom right tray was flashing like crazy. When
> I attempted to download an upgrade for AprsPlus the was no dialog box to
> show up but I was using up bytes downloading but I have no idea where they
> were going. I dumped the download and reinstalled the orginal Sprint
> software from their CD and everything came back to normal. Thought I got a
> bad download so downloaded again with same results. I am just throwing
this
> out there to see if this info might help. I'll try to do the download from
> the computer at home and if I get the same results then I get to yell real
> loud at Sprint! Lotta good that'll do!
>
> So any ideas?
>
> I'll get back on Aprs 18 wheeled mobile one way or another, I promise!
>
> Peter - W7LUS
>
> ---
> You are currently subscribed to aprssig as: kb7tbt@qsl.net
> To unsubscribe send a blank email to leave-aprssig-842K@lists.tapr.org
> Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org
>
>

You are currently subscribed to aprssig as: lyris.aprssig@tapr.org
To unsubscribe send a blank email to leave-aprssig-842K@lists.tapr.org
Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

514. Your confirmation is needed (ok 842)

From: Lyris <unsubscribe-confirm@lists.tapr.org>
Date: Thu, 21 Nov 2002 16:06:37 -0500
To: lyris.aprssig@tapr.org
Message-ID: <LYR842-108111-2002.11.21-16.06.37--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Your email address 'lyris.aprssig@tapr.org' has been submitted to be
unsubscribed from the 'aprssig' mailing list.

This unsubscribe command requires your confirmation that you want to be
unsubscribed.

To confirm that you do want to unsubscribe, reply to this message so that
the words "ok 842" appear somewhere on the subject line.

Make sure that your reply message is addressed to
unsubscribe-confirm@lists.tapr.org

You will receive notification that your confirmation has been received, and
that you have been unsubscribed.

If you do not want to unsubscribe, do nothing. You will be kept on the
mailing list.

Return-Path: <CT01EXCH02-SA@c-cor.net>

```
Received: from ns1.c-cor.com ([12.17.0.130]) by lists.tapr.org with SMTP (Lyris Server version 3.0);
Thu, 21 Nov 2002 16:06:35 -0500
Received: from scpo1.c-cor.com (scpo1.c-cor.com [192.168.128.223])
        by ns1.c-cor.com (8.10.1/8.10.1) with ESMTP id gALLLGL11461
        for <leave-aprssig-842K@lists.tapr.org>; Thu, 21 Nov 2002 16:21:16 -0500 (EST)
Received: by scpo1.c-cor.com with Internet Mail Service (5.5.2653.19)
        id <RHS2D8T9>; Thu, 21 Nov 2002 16:22:20 -0500
Message-ID: <81CCE1BEC713FC42B643AE71DF789FABB273C9@ct01exch02>
From: System Attendant <CT01EXCH02-SA@c-cor.net>
To: aprssig-request
Subject:
Date: Thu, 21 Nov 2002 16:23:22 -0500
MIME-Version: 1.0
X-Mailer: Internet Mail Service (5.5.2653.19)
Content-Type: text/plain

# Mail sent to leave-aprssig-842k was converted to these commands:
unsubscribe aprssig lyris.aprssig@tapr.org confirm
end

# This is the text of the message that triggered the action:

Return-Path: <CT01EXCH02-SA@c-cor.net>
Received: from ns1.c-cor.com ([12.17.0.130]) by lists.tapr.org with SMTP (Lyris Server version 3.0);
Thu, 21 Nov 2002 16:06:35 -0500
Received: from scpo1.c-cor.com (scpo1.c-cor.com [192.168.128.223])
        by ns1.c-cor.com (8.10.1/8.10.1) with ESMTP id gALLLGL11461
        for <leave-aprssig-842K@lists.tapr.org>; Thu, 21 Nov 2002 16:21:16 -0500 (EST)
Received: by scpo1.c-cor.com with Internet Mail Service (5.5.2653.19)
        id <RHS2D8T9>; Thu, 21 Nov 2002 16:22:20 -0500
Message-ID: <81CCE1BEC713FC42B643AE71DF789FABB273C9@ct01exch02>
From: System Attendant <CT01EXCH02-SA@c-cor.net>
To: "'leave-aprssig-842K'" <leave-aprssig-842K@lists.tapr.org>
Subject: ScanMail Message: To Sender, virus found and action taken.
Date: Thu, 21 Nov 2002 16:23:22 -0500
MIME-Version: 1.0
X-Mailer: Internet Mail Service (5.5.2653.19)
Content-Type: text/plain

ScanMail for Microsoft Exchange has detected virus-infected attachment(s).

Place = shorzepa@c-cor.net
Sender = leave-aprssig-842K
Subject = Internet Customization Utility
Delivery Time = November 21, 2002 (Thursday) 16:23:22

Action on virus found:

"WORM_KLEZ.H" virus was found in attachment "E51DEGBB.scr",
ScanMail has deleted the attachment.

Message from recipient's administrator:
Warning to sender. ScanMail has detected a virus in an email you
sent.11/21/2002Horzepa, StanE51DEGBB.scr/Deleted, Horzepa,
Stanleave-aprssig-842KInternet Customization Utility04:23 PM
```

515. (no subject)

From: (unknown sender)
Date: (date unavailable)
Rendered body type: text/plain

dW5jdGlvbl9wYXJhbXM+DQoJCQkJPHBhcmFtIG5hbWU9InJ1bGVndWlkIiBy
ZXF1aXJlZD0iVFJVRSIvPg0KCQkJCTxwYXJhbSBuYW1lPSJVc2VyTmFtZSIgcmVxdWlyZWQ9
IlRSVUUiLz4NCgkJCTwvZnVuY3Rpb25fcGFyYW1zPg0KDQoJCQkNCgkJCQkNCgkJCQkNCgkJ
CQ0KCQk8L2RhdHVtPg0KCQk8ZGF0dW0gbmFtZT0iSVNfVVNFUl9MT0dHRURfT04iIGRlc2Ny
aXB0aW9uPSIiPg0KCQkJPGZ1bmN0aW9uX3BhcmFtcz4NCgkJCTwvZnVuY3Rpb25fcGFyYW1z
Pg0KDQoJCQkNCgkJCQ0KCQk8L2RhdHVtPg0KCQk8ZGF0dW0gbmFtZT0iUlVMVMRV9UAAAAAAAA
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AAAAAAAAAAAAAAAAAA=9
--Q3130no411mt3DO46G4Df
--Q3130no411mt3DO46G4Df
Content-Type: application/octet-stream;
        name=E51DEKDB.TXT
Content-Transfer-Encoding: base64
Content-ID: <MXbVmzwD94H9>

UHJlc2FyaW8gNTAwMCAtIEU1MURFS0RCDQoxNTE3MDQtQjJBLCBXaGl0bmV5IDgxMCBWaWRl
byBEcml2ZXINCjE1NjAxOS0wMEEsIE1TIEVuY2FydGEgT24tbGluZQ0KMTU2MDI5LUIyQSwg
Q29tcGFxIFJlbW90ZSBTdXBwb3J0DQoxNTYwNjctQjJCLCBFYXN5IENEIENyZWF0b3INCjE1
NjM3MS0wMEEsIENvbXBhcSBLbm93bGVkZ2UgQ2VudGVyDQoxNTYzNzYtQjJBLCBXSU4gUXVp
Y2tSZXN0b3JlDQoyMTE1MTEtMDBCLCBOZXcgQ29tcGFxIEluc3RhbGwgU3VwcG9ydA0KMjEx
NTcxLTAwRSwgRUFLIHdpdGggTEVEIHN1cHBvcnQNCjIxMTU4NC0wMEEsIE1jQWZlZSBTaG9y
dGN1dCBJbnN0YWxsZXINCjIxMTU5OC1CMkEsIFdhbGxwYXBlcg0KMjExNjE2LTAwQSwgSVNQ
IENvbmZpZyAzLjANCjIxMTYxNy0wMEEsIFdNRSBPT0JFDQoyMTE2MTktMDBBLCBDb21wYXEu
TkVUIDMuMA0KMjExNjIyLTAwQSwgQU9MIEN1c3RvbWl6ZWQgKFVTIGFuZCBDYW5hZGEpDQoy
MTE2MjUtQjJBLCBXaXphcmQgSG9zdCB2LiAzDQoyMTE2MjktMDBBLCBOZXRzY2FwZSBCcm93
c2VyDQoyMTE2MzMtQjJBLCBDUFFJbmV0IHYgNC4wDQoyMTE2MzQtMDBBLCBIYXJkd2FyZSBE
aXNjb3ZlcnkgdiAzLjANCjIxMTYzNS0wMEEsIE1haWwgQ2hlY2tlciAzLjANCjIxMTYzNi0w
MEEsIE5ldHNjYXBlIEN1c3RvbS1VUyBhbmQgQ2FuYWRhDQoyMTE2NzQtMDBBLCBJRSA1LjAg
Q3VzdG9taXphdGlvbiB2My4wDQoyMTE2ODAtMDBBLCBFU1MgQWxsZWdybyBXRE0NCjIxMTc3
NS0wMEEsIFdNUCA3IEN1c3RvbWl6YXRpb25zDQoyMTE4MDQtQjJBLCBXSU5EVkQoRFNIT1cp
IEFsbFJlZyAtIERlc2t0b3ANCjIxMTg4OC1CMkEsIGVTZXJ2aWNlIENvbmZpZ3VyYXRpb24g
VXRpbGl0eQ0KMjExODk0LTAwQSwgTVMgV29ya3MNCjIyNzMzMi0wMEEsIEludGVybmV0IEN1
c3RvbWl6YXRpb24gVXRpbGl0eQ0KMjI3MzQ4LTAwQSwgTVMgTW9uZXkNCjIyNzU3MS1CMkEs
IEluZm8uYm9tIGNvcnJlY3Rpb24gcGF0Y2gNCjIyNzU5OC0wMEEsIEJDTSBWLjkwIDU2SyBX
TWUNCjMyNDkzOC0wMEgsIENvbXBhcSBNb25pdG9yIENvbnRyb2wgRmlsZXMNCgoAK+BaWTQ8
Hz==
--Q3130no411mt3DO46G4Df--
```

---

516. [aprssig] Re: About W7LUS - Back "On the Road Again"!

From: Steve Dimse <k4hg@tapr.org>
Date: Thu, 21 Nov 2002 17:33:30 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-108127-2002.11.21-17.17.43--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

On 11/21/02 at 12:43 PM bruninga@usna.edu (Bob Bruninga) sent:

>Yep, Saw the messages about you, but realized tht you would have GPS
>probably. Im looking for a trucker with just a TNC and radio to see how
>well we can at least see his city...
>

I'm very unclear about why you need a vehicle without a GPS to test this. In fact, the best way I'd see to test this is when there is a GPS, allowing direct comparison of the two posits. I wrote a 90 line perl script which connects to a server, parses a line for the first and third callsign, e.g.:

```
K4HG-8>APRS,KD4BBM-6,WIDE*
```

would give K4HG and KD6BBM-6. The program ignores digi calls containing WIDE, RELAY, or TRACE, then looks up the latest positions of the two callsigns from the findU database, and uses a great-circle calculation for distance between the two. The printout below is the two calls, the distance, and the number of lines "good" (those without W,R,T) and the number ignored.

Here is a little raw output:

```
   KG4QAK    WC4ADG     2.1    1/   8
   VE3OVB    VE3KSR    66.7    2/  13
    SK0CC     SK5MK    33.4    3/  44
    K5AHE   K5AHE-5     8.7    4/  48
    DB0PA    DB0ZEH    40.5    5/  53
   HB9IBJ  HB9IAC-4     8.3    6/  54
 WA4MJF-1     W4UNC    34.0    7/  59
  DO1BT-4    DO0SAS     6.5    8/  61
   SV2FQN SV2BZQ-11     9.8    9/  64
 HG2PKB-1  HG5PBD-2    71.9   10/  66
  N5BAA-9   W5MAY-2     5.1   11/  68
 KB5TNP-3    ALPINE    11.9   12/  69
   W9IF-4    W9IF-7     3.2   13/  70
    F1MPR  F4CEP-15    18.4   14/  72
     K2NV   W2ICZ-2    11.8   15/  73
 KC6UDS-9    W6CX-3    53.6   16/  74
 2E1GTF-7      APRS   176.6   17/  75
IW4CVV-11    IR3FAL   136.8   18/  76
   SV2FQN SV2BZQ-11     9.8   19/  77
  N5BAA-9   W5MAY-2     5.1   20/  78
 KB5TNP-3    ALPINE    11.9   21/  81
   WB8WOR  KB9YVJ-5     6.3   22/  84
 F5KIS-12     F5KIS     7.1   23/  85
 KG4OZL-9  WB0NOO-2    10.8   24/  87
  N8FGR-9    K8UI-5    23.2   25/  88
   WC2AES  K3ATI-11    13.1   26/  90
     UO22   KD4ZB-3   451.9   27/  91
   VK2XGJ  VK2AMW-1     9.3   28/  92
 KC6UDS-9   KQ6DI-3    73.7   29/ 100
 KC6UDS-9   KQ6DI-3    73.7   30/ 107
  K7LVO-9    MTTOLO     5.7   31/ 117
 KA3JCA-7 WC4PEM-10    24.0   32/ 120
 CT2HBO-3  CT1LAS-3     3.1   33/ 122
KB8PVI-14  KA8ZNY-4    18.6   34/ 124
KC8LCP-15 KC8LCP-11     7.0   35/ 130
    N8OVD  KD4PBS-3    11.9   36/ 131
  K7LVO-9    MTTOLO     5.7   37/ 133
   CT1ETG  CT0XOD-3    13.2   38/ 136
  AA2YS-7     K2GXT     3.0   39/ 139
VE3MST-15   W2ICZ-2     8.5   40/ 157
 WX0BC-15    KM0R-3     7.7   41/ 158
  W5DDA-1   K5FTW-5    45.2   42/ 161
KD5DRX-14   K0BOY-1    17.9   43/ 162
   SV2FQN SV2BZQ-11     9.8   44/ 163
  N0MFD-9   N0MFD-8     4.7   45/ 164
  W6ARE-8  WA6YLB-3    23.6   46/ 168
  W7WEC-7  VE7VAN-3    90.3   47/ 174
VE6FRC-14 VE7PAC-12    25.6   48/ 176
  N2JPH-9   K2AMB-3    14.4   49/ 180
    VE2MT  VE2RYV-3    38.5   50/ 181
   HG3PSS  HG2PKB-1    18.0   51/ 185
  W0NWS-2     N5RIG    15.8   52/ 186
   PD2BNA  PE1NAT-2    18.1   53/ 187
 OK1TEB-2    DB0GRZ    26.6   54/ 204
   VE1QRZ    VE1GPS    57.9   55/ 207
     N7OI     POINT     5.8   56/ 209
  DO1BT-4    DO0SAS     6.1   57/ 214
    S53SM  S55YNG-3     3.6   58/ 215
     IR3F      APRS   490.0   59/ 216
   KB1GNC   N1QPR-2    22.8   60/ 220
   KB1GNC   N1QPR-2    22.8   61/ 221
  W8MAP-1   W8MAP-4     0.5   62/ 222
 KA3JCA-7  AG4PX-10   141.0   63/ 225
  N7RON-1   KJ7AZ-5     2.0   64/ 235
  N2JPH-9   K2AMB-3    14.4   65/ 236
  N2JPH-9   K2AMB-3    14.4   66/ 238
   VE4GIL  VE4GIL-3     5.2   67/ 241
    N0MSW  N0OTM-15     8.7   68/ 242
    N0MSW  N0OTM-15     8.7   69/ 243
IW1QMD-11 IK1LWK-11    40.9   70/ 244
```

```
   KG4QNH   K1VAO-3     5.1   71/ 245
  K5GWF-9   W5DCR-3     4.2   72/ 249
  F1HSY-9   F1HSY-3     0.7   73/ 250
  N2SMT-1  KB2EAR-1    12.5   74/ 251
  W5RRR-7   AI5TX-2    21.7   75/ 252
WL7CKY-13  WB4PBF-2    10.2   76/ 253
   KB8DID    K8UI-4    11.9   77/ 254
  KM5HG-3    CLRMRE    15.8   78/ 267
 WA7LFT-4   KJ7AZ-5     2.2   79/ 268
  F1HSY-9   F1HSY-3     0.7   80/ 273
  W4HAW-3  KD4BBM-6    88.7   81/ 275
KD7RHL-12   KQ6DI-3     6.8   82/ 284
 PD2WDR-1    PI1APR    25.9   83/ 286
  DO1BT-4    DO0SAS     6.0   84/ 289
 N2WZB-12   K3JF-15     7.9   85/ 291
```

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To unsubscribe send a blank email to leave-aprssig-842K@lists.tapr.org
Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

517. [aprssig] N6OAA

From: Glenn Wiebe <gswiebe@mb.sympatico.ca>
Date: Thu, 21 Nov 2002 16:51:19 -0600
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-108131-2002.11.21-17.35.36--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

I used to watch Mitch travel from the Michigan U.P. where he & his wife spent their summers to a southern destination in winter and back to MI in spring. I haven't seen his icon for a couple of years now. Anybody know what he's up to? I know he was not well the last time I heard from him.

73 de Glenn...VE4GN

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Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

518. [aprssig] Re: About W7LUS - Back "On the Road Again"!

From: Bob Bruninga <bruninga@usna.edu>
Date: Thu, 21 Nov 2002 18:53:58 -0500 (EST)
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-108133-2002.11.21-18.38.22--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

> >... Im looking for a trucker with just a TNC and radio to see how
> >well we can at least see his city...[using vicinity tracking]

Steve said:
> I'm very unclear about why you need a vehicle without a GPS to test
> this. In fact, the best way I'd see to test this is when there is a GPS,
> allowing direct comparison of the two posits.

OOPs, you are right, we can 'test' it anytime we want. I guess what I was really thinking was "demonstrating" it to the non-believers with an actual usable cross country demo and realistic application....

> I wrote a 90 line perl script which connects to a server, parses a line
> for the first and third callsign,... then looks up the latest positions
> of the two callsigns from findU, and... calculates... distance between the
> two...

Wow, Neat!
What I would really like to see is something like this added to your routine FINDU response. Then in addition to the usual response, there would simply be a LINK to the location of the "vicinity" digi that you detect....

Exists: CLICK HERE TO SEE NEARBY STATIONS
Add: CLICK HERE TO SEE LOCATION OF DIGI WHERE HIS PACKET ENTERED APRS

Thus, for packets without a position report, at least we could see what town he was in... or something like that...

Bob, WB4APR

```
> Here is a little raw output:
>
>    KG4QAK    WC4ADG     2.1    1/   8
>    VE3OVB    VE3KSR    66.7    2/  13
>     SK0CC     SK5MK    33.4    3/  44
>     K5AHE   K5AHE-5     8.7    4/  48
>     DB0PA    DB0ZEH    40.5    5/  53
>    HB9IBJ  HB9IAC-4     8.3    6/  54
>  WA4MJF-1     W4UNC    34.0    7/  59
>   DO1BT-4    DO0SAS     6.5    8/  61
>    SV2FQN SV2BZQ-11     9.8    9/  64
>  HG2PKB-1  HG5PBD-2    71.9   10/  66
>   N5BAA-9   W5MAY-2     5.1   11/  68
>  KB5TNP-3    ALPINE    11.9   12/  69
>    W9IF-4    W9IF-7     3.2   13/  70
>     F1MPR  F4CEP-15    18.4   14/  72
>      K2NV   W2ICZ-2    11.8   15/  73
>  KC6UDS-9    W6CX-3    53.6   16/  74
>  2E1GTF-7      APRS   176.6   17/  75
> IW4CVV-11    IR3FAL   136.8   18/  76
>    SV2FQN SV2BZQ-11     9.8   19/  77
<snip>
```

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Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

519. [aprssig] Re: 18 wheeler problems

From: "W7LUS - Peter" <w7lus@winlink.org>
Date: Thu, 21 Nov 2002 21:34:46
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-108173-2002.11.21-22.19.04--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Tnx for the suggestion James. I had done this but don't recall if it was before or after the noticed the problem...it just worked ok for me for a rip I just tried...a whole 33 miles, hi hi. I am headed to Atlanta tomorrow and will put a new set of batteries in the GPS and give it another shot. Keep your fingers crossed, hi!

73 - Peter

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Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

520. [aprssig] Re: AFTER 30 DAYS

From: Skip Allison <skipk9sa@ameritech.net>
Date: Thu, 21 Nov 2002 21:57:27 -0600
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-108179-2002.11.21-22.44.14--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Are you seeing anything yet? I looked at your position on findu and it looks like the closest stations are > 40 miles away. Your PHG indicates 50W, 40 ft, 3 dB gain. However, findu shows you close to the river, so I'm guessing you're probably pretty low. Maybe you're not toooooooo far in the woods but tooooooo far down in a hole?

Skip
K9SA

John Becker wrote:
>
> After 30 days of monitoring 144.390 the only station
> copied direct was PCSAT-11....
>
> Does this mean that I' am toooooooo far in the woods?
>
> John, W0JAB

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Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

521. [aprssig] TM-d700 setup

From: David VanHorn <dvanhorn@cedar.net>
Date: Fri, 22 Nov 2002 01:40:15 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-108205-2002.11.22-01.24.20--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

A friend just got one, and I'm trying to help him set it up.
Everything looks fine, 144.39 on the left, data on band A, TX every 3 mins, no rpt offset etc, but it's not transmitting.

The radio's up and running, he's using the right (b) side for voice on 440.

What sorts of non-obvious things can you get wrong on this?

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522. [aprssig] Active GPS Antenna on eBay

From: Greg Noneman <greg@clubnet.net>
Date: Thu, 21 Nov 2002 23:06:27 -0800
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: Multiple recipients of aprs <aprs@lists.csumb.edu>
Message-ID: <LYR842-108207-2002.11.22-01.50.34--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

All,

If you're in need of a small mag-mount active GPS antenna, the following item is listed on eBay for $24.95:

http://cgi.ebay.com/ws/eBayISAPI.dll?ViewItem&item=1940132100

The cable has a male MMCX connector which is a little odd, but it can be easily removed and replaced with a BNC (or whatever you need).

Greg
WB6ZSU

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Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

523. [aprssig] Re: TM-d700 setup

From: WA8LMF2@aol.com
Date: Fri, 22 Nov 2002 02:20:33 EST
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-108209-2002.11.22-02.05.14--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

In a message dated 11/21/2002 10:41:54 PM Pacific Standard Time, dvanhorn@cedar.net writes:

> Everything looks fine, 144.39 on the left, data on band A, TX every 3 mins,
> no rpt offset etc, but it's not transmitting.
>
> The radio's up and running, he's using the right (b) side for voice on 440.
>
> What sorts of non-obvious things can you get wrong on this?
>

1) Is the radio in the standalone "APRS" mode rather than the bare TNC "PACKET" mode (I assume you are using the D700 standalone and not with a program on a PC).
2) Is GPS data getting into the radio? (i.e. is the word "GPS" on the lcd display flashing? Contrary to amost every other GPS-using device, the Kenwood's GPS indicator flashes when everything is OK, and lights up solid if no GPS data is getting through.
3) If the radio is set to use a GPS (not hand-entered lat/long data), it won't beacon at all until a valid GPS data stream WITH GOOD FIXES is being received.

```
4)  The beacon mode must be
     a: selected   ( There are three modes of packet transmission: Auto
beaconing every x mins, Mic-E burst on mic unkey, and manually triggered)
            and
     b: turned on (This is a separate menu option)



---
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```

524. [aprssig] Re: Vicinity Tracking [WAS: Re: About W7LUS - Back "On the Road Again"!]

From: WA8LMF2@aol.com
Date: Fri, 22 Nov 2002 04:54:34 EST
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-108211-2002.11.22-04.39.14--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

```
In a message dated 11/21/02 7:21:52 AM Pacific Standard Time,
bruninga@usna.edu writes:

> This is called "viciniity tracking" and is built into APRSdos.  It works
>  like this:
>
>  If you hear a new station and have no position data from that station,
>  APRSdos places him on the map (using a big questino mark ICON) within a 1
>  mile vicinity of the DIGIx where his packet was first heard.  The "?" ICON
>  shows all observers that this is a "vicinity" plot and is not real.
>  Further, the plot uses an ambiguity circle as well just to make sure no
>  one missinterprets the plot.
>
>  But for long distance travelers all over the country, this is a convenient
>  way  to at least show what town or city he is in.

Not neccessarily...  What about HF?  I have recently been playing around with
a Tigertronics TigerTrak on 300 bd 30M HF mobile connected to my FT-100 and
ATAS-100.  A couple of nights ago while driving around Pasadena, CA,  findu
showed my point of initial entry into the APRS network was Chicago on one
transmission and Denver on the next!     I think we need some means for
tagging HF originated packets  as they enter the Internet stream (or get
gated onto VHF) so they can be ignored in this mode.

Stephen H. Smith                   wa8lmf @ aol.com
Home Page:                                        http://wa8lmf.com
Ham Radio/Mobile SSTV page:     http://members.aol.com/wa8lmf/ham
APRS Stuff
http://members.aol.com/wa8lmf/aprs
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```

525. [aprssig] Re: Very interesting article...

From: T C <boytroy54@yahoo.com>
Date: Fri, 22 Nov 2002 03:49:30 -0800 (PST)
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-108214-2002.11.22-06.33.47--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

```
I am so happy to see that Amateur Radio can still be the
driving force behind innovations used in society.  Thank
you all for insuring that strides made through our hobby
are leading to new and better technology.

Thanks Bob and all the folks that worked so hard, and that
are still working hard to make APRS the coolest and most
useful tool in a 'Hams' toolbox.
```

73 de w8tcc, Troy

____
Do you Yahoo!?
Yahoo! Mail Plus Powerful. Affordable. Sign up now.
http://mailplus.yahoo.com

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---

526. [aprssig] RE: TM-d700 setup

From: "Lee Inman" <leei@att.net>
Date: Fri, 22 Nov 2002 06:25:03 -0700
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-108222-2002.11.22-08.09.29--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

>
> A friend just got one, and I'm trying to help him set it up.
> Everything looks fine, 144.39 on the left, data on band A, TX
> every 3 mins, no rpt offset etc, but it's not transmitting.
>
> The radio's up and running, he's using the right (b) side for
> voice on 440.
>
> What sorts of non-obvious things can you get wrong on this?
>

Be sure that:

1. If using a GPS, that it is set up to use in in the menu
2. If not using a GSP, that it isn't set up
3. Beacon is turned on or that you have otherwise triggered the position report
4. That the squelch setting is set properly

BTW, the right VFO can do either VHF or UHF with this configuration.

73, Lee K0QED

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Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

---

527. [aprssig] Re: TM-d700 setup

From: Bob Bruninga <bruninga@usna.edu>
Date: Fri, 22 Nov 2002 09:14:59 -0500 (EST)
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: TAPR APRS Special Interest Group <aprssig@lists.tapr.org>
Message-ID: <LYR842-108229-2002.11.22-08.59.18--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

It wont transmiot until it has a position to transmit.

Hit the POS button and enter one.......

Bob

On Fri, 22 Nov 2002, David VanHorn wrote:

>
> A friend just got one, and I'm trying to help him set it up.
> Everything looks fine, 144.39 on the left, data on band A, TX every 3 mins, no rpt offset etc, but it's not transmitting.
>
> The radio's up and running, he's using the right (b) side for voice on 440.
>
> What sorts of non-obvious things can you get wrong on this?
>
>
> ---
> You are currently subscribed to aprssig as: bruninga@usna.edu
> To unsubscribe send a blank email to leave-aprssig-842K@lists.tapr.org

```
> Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org
>

de WB4APR@amsat.org, Bob

PCsat WEB  page     http://www.ew.usna.edu/~bruninga/pcsat.html
ISS-APRS FAQ:       http://www.ew.usna.edu/~bruninga/iss-faq.html
CUBESAT Designs     http://www.ew.usna.edu/~bruninga/cubesat.html
APRS LIVE pages     http://www.ew.usna.edu/~bruninga/aprs.html
APRS SATELLITES     http://www.ew.usna.edu/~bruninga/astars.html
MIM/Mic-E/Mic-Lite  http://ssdl.stanford.edu/mims/


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Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org
```

---

528. [aprssig] Re: TM-d700 setup

From: Bob Bruninga <bruninga@usna.edu>
Date: Fri, 22 Nov 2002 09:18:04 -0500 (EST)
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: TAPR APRS Special Interest Group <aprssig@lists.tapr.org>
Message-ID: <LYR842-108230-2002.11.22-09.02.30--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

```
Also, These are the not-s0-obviuos D700 APRS settings:

1) set RADIO DISPLAY MODE 3 so that the APRS buttons are always
displayed

2) Turn UP the vollume on band A 144.39 and set CTCSS tone 100.

This lets you derive in Peace and Quiet all the time, BUT anyone anytime
can call you by voice on 144.39 PL 100 and get your attention.  ALSO, if
another D700 passes within say 5 miles of you, you may hear his packet.
Nice to know when you have a neighbor to play with...

We call this APRS VOICE ALERT.  When you callsomeon on 144.39 PL 100
always say "VOICE ALERT" so that he konws that he heard you on BAND-A.
Otherwise, he just thinks you are anoter voice op on his band B...

de WB4APR, Bob


On Fri, 22 Nov 2002, David VanHorn wrote:

>
> A friend just got one, and I'm trying to help him set it up.
> Everything looks fine, 144.39 on the left, data on band A, TX every 3 mins, no rpt offset etc, but
it's not transmitting.
>
> The radio's up and running, he's using the right (b) side for voice on 440.
>
> What sorts of non-obvious things can you get wrong on this?
>
>
> ---
> You are currently subscribed to aprssig as: bruninga@usna.edu
> To unsubscribe send a blank email to leave-aprssig-842K@lists.tapr.org
> Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org
>

de WB4APR@amsat.org, Bob

PCsat WEB  page     http://www.ew.usna.edu/~bruninga/pcsat.html
ISS-APRS FAQ:       http://www.ew.usna.edu/~bruninga/iss-faq.html
CUBESAT Designs     http://www.ew.usna.edu/~bruninga/cubesat.html
APRS LIVE pages     http://www.ew.usna.edu/~bruninga/aprs.html
APRS SATELLITES     http://www.ew.usna.edu/~bruninga/astars.html
MIM/Mic-E/Mic-Lite  http://ssdl.stanford.edu/mims/


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Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org
```

529. [aprssig] Re: Vicinity Tracking [WAS: Re: About W7LUS - Back "On the Road Again"!]

From: Bob Bruninga <bruninga@usna.edu>
Date: Fri, 22 Nov 2002 09:21:56 -0500 (EST)
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: TAPR APRS SIG <aprssig@lists.tapr.org>, Steve Dimse K4HG <k4hg@tapr.org>
Message-ID: <LYR842-108231-2002.11.22-09.06.20--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

This is a very good point.
The only thing I can think of is that we will have to maintain a LIST on
FINDU of HF Gateways so that when a signal comes in that way, that it is
understood to be HF.

AH, but HG IGates like the KAM using the PATH of GATE, do not do callsign
substitution, so the PATH of GATE* should be in the packet, so the FINDU
vicinity tracking algorithm would ignore those entries.

Would that work?
Bob

On Fri, 22 Nov 2002 WA8LMF2@aol.com wrote:

```
> >  But for long distance travelers all over the country, this is a convenient
> >  way  to at least show what town or city he is in.
>
> Not neccessarily...  What about HF?  I have recently been playing around with
> a Tigertronics TigerTrak on 300 bd 30M HF mobile connected to my FT-100 and
> ATAS-100.  A couple of nights ago while driving around Pasadena, CA,  findu
> showed my point of initial entry into the APRS network was Chicago on one
> transmission and Denver on the next!     I think we need some means for
> tagging HF originated packets  as they enter the Internet stream (or get
> gated onto VHF) so they can be ignored in this mode.
>
> Stephen H. Smith                   wa8lmf @ aol.com
> Home Page:                                        http://wa8lmf.com
> Ham Radio/Mobile SSTV page:     http://members.aol.com/wa8lmf/ham
> APRS Stuff
> http://members.aol.com/wa8lmf/aprs
> ------------------------------------------------------------------------------
>
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> |                Consulting and Systems Integration
> |    GPS Custom Mapping    &     Radio Coverage Surveys
> |    File Conversions       MS-Windows Setups       Networking
> ------------------------------------------------------------------------------
>
> -----------
>
```

de WB4APR@amsat.org, Bob

```
PCsat WEB  page     http://www.ew.usna.edu/~bruninga/pcsat.html
ISS-APRS FAQ:       http://www.ew.usna.edu/~bruninga/iss-faq.html
CUBESAT Designs     http://www.ew.usna.edu/~bruninga/cubesat.html
APRS LIVE pages     http://www.ew.usna.edu/~bruninga/aprs.html
APRS SATELLITES     http://www.ew.usna.edu/~bruninga/astars.html
MIM/Mic-E/Mic-Lite  http://ssdl.stanford.edu/mims/
```

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Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

530. [aprssig] Re: Vicinity Tracking [WAS: Re: About W7LUS - Back "On the Road Again"!]

From: Steve Dimse <k4hg@tapr.org>
Date: Fri, 22 Nov 2002 10:21:11 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-108237-2002.11.22-10.05.25--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

```
> On Fri, 22 Nov 2002 WA8LMF2@aol.com wrote:
>
>> Not neccessarily...  What about HF?  I have recently been playing around with
>> a Tigertronics TigerTrak on 300 bd 30M HF mobile connected to my FT-100 and
>> ATAS-100.  A couple of nights ago while driving around Pasadena, CA,  findu
>> showed my point of initial entry into the APRS network was Chicago on one
```

>> transmission and Denver on the next!   I think we need some means for
>> tagging HF originated packets as they enter the Internet stream (or get
>> gated onto VHF) so they can be ignored in this mode.
>>
On 11/22/02 at 9:21 AM bruninga@usna.edu (Bob Bruninga) sent:

>This is a very good point.
>The only thing I can think of is that we will have to maintain a LIST on
>FINDU of HF Gateways so that when a signal comes in that way, that it is
>understood to be HF.
>
>AH, but HG IGates like the KAM using the PATH of GATE, do not do callsign
>substitution, so the PATH of GATE* should be in the packet, so the FINDU
>vicinity tracking algorithm would ignore those entries.
>
It is not necessary for the algorithm I'm using. The different entry points did
not occur in the third callsign position:

WA8LMF>APTIGR,GATE*,WIDE2,qAS,WX6SGX:!3409.46N/11807.68W> TigerTrak HF Mobile!

It is only the third callsign in the path that is checked...since callsign
substitution is not performed on the GATE alias, this will not be a problem.

I think it is important that any attempt at determining position based on digi
be confined to that first digi position (third overall), errors would escalate
greatly after the first hop. In the above case, the first real callsign in the
path is WX6SGX, after the packet went through a GATE and two VHF digis.

Steve K4HG

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To unsubscribe send a blank email to leave-aprssig-842K@lists.tapr.org
Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

531. [aprssig] Re: [Bob Bruninga] Re: TM-d700 setup

From: "Gregg G. Wonderly" <gregg@skymaster.cytetech.com>
Date: Fri, 22 Nov 2002 12:25:22 -0600
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: TAPR APRS Special Interest Group <aprssig@lists.tapr.org>
Message-ID: <LYR842-108246-2002.11.22-13.09.42--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

>It wont transmiot until it has a position to transmit.
>
>Hit the POS button and enter one.......

Note that this includes messaging. If you have GPS set to NMEA and no GPS
connected, the radio will not transmit status, message or possition packets,
period. It will transmit acks to received messages though...

-----
gregg@cytetech.com (Cyte Technologies Inc)

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To unsubscribe send a blank email to leave-aprssig-842K@lists.tapr.org
Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

532. [aprssig] Re: Vicinity Tracking [WAS: Re: About W7LUS - Back "On the Roa...

From: WA8LMF2@aol.com
Date: Fri, 22 Nov 2002 15:06:07 EST
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-108250-2002.11.22-14.50.33--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

In a message dated 11/22/2002 7:22:46 AM Pacific Standard Time, k4hg@tapr.org
writes:

> >AH, but HG IGates like the KAM using the PATH of GATE, do not do callsign
> >substitution, so the PATH of GATE* should be in the packet, so the FINDU
> >vicinity tracking algorithm would ignore those entries.
> >

What about an HF-monitoring TNC igating directly to the Internet; i.e. not
retransmitting (GATEing) through a dual-port TNC ? One might shorten the HF
path to nothing at all if you assume you can get igated directly off the air

on 30M.

I have done this myself with a Kenwood TS-690 and the MixW packet softmodem
directly driving APRSplus connected to my cable modem.

In the HF mobile, I have tried no path at all, and still get to the Internet
via setups apparently like mine. The telltale GATE would not be in the path.

```
Stephen H. Smith                   wa8lmf @ aol.com
Home Page:                                         http://wa8lmf.com
Ham Radio/Mobile SSTV page:     http://members.aol.com/wa8lmf/ham
APRS Stuff
http://members.aol.com/wa8lmf/aprs

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Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

---

533. [aprssig] Re: Vicinity Tracking [WAS: Re: About W7LUS - Back "On the Roa...

From: Steve Dimse <k4hg@tapr.org>
Date: Fri, 22 Nov 2002 15:16:21 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: TAPR APRS Special Interest Group <aprssig@lists.tapr.org>
Message-ID: <LYR842-108251-2002.11.22-15.00.33--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

On 11/22/02 at 3:06 PM WA8LMF2@aol.com sent:

```
>> >AH, but HG IGates like the KAM using the PATH of GATE, do not do callsign
>>  >substitution, so the PATH of GATE* should be in the packet, so the FINDU
>>  >vicinity  tracking algorithm would ignore those entries.
>>  >
>
>What about an HF-monitoring TNC igating directly to the Internet; i.e. not
>retransmitting (GATEing) through a dual-port TNC ?  One might shorten the HF
>path to nothing at all if you assume you can get igated directly off the air
>on 30M.
>
```

Still not a problem, the packet would look like:

```
K4HG-8>APRS,qAC,IGATECALL:....
```

So the vicinity position has only a q in it, again not something that would
return a posit...

Steve K4HG

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To unsubscribe send a blank email to leave-aprssig-842K@lists.tapr.org
Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

---

534. [aprssig] Automatic "ID" Digipeater Sniffer...

From: Bob Bruninga <bruninga@usna.edu>
Date: Fri, 22 Nov 2002 22:30:34 -0500 (EST)
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: TAPR APRS Special Interest Group <aprssig@lists.tapr.org>
Message-ID: <LYR842-108267-2002.11.22-22.15.05--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

On Thu, 21 Nov 2002, Steve Dimse wrote:

> I wrote a 90 line perl script which connects to a server, parses a line
> for the first and third callsign... then looks up the latest positions
> of the two callsigns from the findU database, and uses a great-circle
> calculation for distance between the two....

WOW! AN-"ID"-DIGIPEATER-SNIFFER! Just what we need!

Just run that routine a few days and keep statistics on all the DIGIpeaters with LOTS of hits that are more than say 120 miles from the originator, and bingo, it is probably a DIGI with UIFLOOD "ID" set, (or good DX).

Then publish the list so that we will know which WIDEn-N digis are still set to "ID". Then we can update the DIGI's OVELARY.POS file so that even if we cnnot get the digi owners to mark their "ID" digis with the "I" overlay, then at least we can update the DIGIS.POS file so traveling users can use that to know what to expect in an area...

The tricky part is knowing the threshold between a packet that is probably local and one that probably went through a "ID" digipeater. Here would be an EASY way to do that. If the LONG of the digi was less than 100 deg W then use 75 miles or so (East coast flat-landers). If west of 100W then say 150 miles? I donno what ranges they get out there with the mountains..

de WB4APR, Bob

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To unsubscribe send a blank email to leave-aprssig-842K@lists.tapr.org
Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

---

535. [aprssig] Beacon errors!

From: Steve Dimse <k4hg@tapr.org>
Date: Sat, 23 Nov 2002 11:42:30 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-108312-2002.11.23-11.27.05--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

While looking at the vicinity data, I noticed something interesting. A lot of the large values are being caused by digis without positions in the findU database. Looking at the raw packets, there is a frequent theme, the E or W following the longitude, and before the icon char (usually #). I'm guessing this is like the aprsd problem, where a sample config file had an error (in the aprsd case, using the underscore as the icon) and this erroneous sample was used over and over as a template.

So, if you have a digi, look on findU to verify there is a good position. If not, go over the beacon character by character. If you are certain there is not a problem, email me with the callsign, as it is always possible there is a bug in my code. Looking at the data through another program may give a good posit, as some parsers make assumptions (like unless there is an E at that character, assume it is west...which works for most APRS users). I've tried to write my parser to follow the APRS spec as closely as possible.

I added an error message to my parser to print out unparsed posits, here are the problems I've found so far:

Missing E/W:

WV0T-9
K9HGX
WC2AES-11

Other beacon problems:
W4DUF-1
EA5DVS-14
HECA
CT1EJC
PD0SBH-2
NORTH
PU2UGK-15
F6CNB
K2LCA
SV2CLJ-11
W0NWS-3
KF4LQQ

Steve K4HG

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Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org
```

536. [aprssig] Different datums

From: "Andrew Rich" <andrew.rich@bigpond.com>
Date: Sun, 24 Nov 2002 09:38:40 +1000
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-108329-2002.11.23-18.23.04--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

```
Howdy,

+ Does anyone know what affect different datums has on a position report ?
+ The signal is received from the GPS and decoded.
+ And then is the DATUM applied ?
+ I am curious
+ Maybe I have it wrong ?
+ If you set a different DATUM does your position move by xx ?
+ Has anyone tested this ? I plan to shortly

Andrew VK4TEC

---
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```

537. [aprssig] Re: Different datums

From: Bruce Coates <bruce.coates@sk.sympatico.ca>
Date: Sat, 23 Nov 2002 18:49:36 -0600
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-108330-2002.11.23-19.38.07--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

```
I tested this out ... unintentionally.  We used APRS in the local Santa
Claus parade last weekend.  3 GPS's  were set for their default WGS84 datum
while the 4th was set to the datum that should be used for central Canada.
(I can't recall the name)  The end result was that the position reported by
the 4th GPS about 500 feet NE of where the other three read.

I'm not sure of the exact mechanics of how the datum is used  in the
calculation, but I know the end result.

73 - Bruce - VE5BNC

----- Original Message -----
From: "Andrew Rich" <andrew.rich@bigpond.com>
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Sent: Saturday, November 23, 2002 5:38 PM
Subject: [aprssig] Different datums


> Howdy,
>
> + Does anyone know what affect different datums has on a position report ?
> + The signal is received from the GPS and decoded.
> + And then is the DATUM applied ?
> + I am curious
> + Maybe I have it wrong ?
> + If you set a different DATUM does your position move by xx ?
> + Has anyone tested this ? I plan to shortly
>
> Andrew VK4TEC
>
> ---
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> Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org
>


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```

538. [aprssig] Re: Different datums

From: "Ray McKnight - WB3ABN" <shortsheep@worldnet.att.net>
Date: Sat, 23 Nov 2002 19:35:19 -0800

To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: <aprssig@tapr.org>
Message-ID: <LYR842-108347-2002.11.23-22.19.41--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Sorry for the long links, but here are two good discussions of map datums. From what I've learned from Gerry, it is VERY difficult to just "convert" waypoint positions mathematically from one datum to another to derive an "exact" position. This only scratches the surface of this very intricate problem. Suffice to say that you should use the correct datum for the area you are navigating and everyone should be using a common datum regardless (when exchanging data or working the same problem...). Otherwise, your chances of deriving a meaningful position between two measurements from GPS set to different datums will be nearly impossible.

http://www.ask.com/main/metaAnswer.asp?t=ai&s=a&MetaEngine=directhit&en=te&eo=3&o=0&frames=True&url=http%3A%2F%2Fwww%2Egpswaypoints%2Eco%2Eza%2FFAQ%5Fbasic%2Ehtm&ac=4&adcat=trvl&pt=General+FAQs&dm=http%3A%2F%2Fwww%2Egpswaypoints%2Eco%2Eza%2FFAQ%5Fbasic%2Ehtm&io=0&qid=C6C0CC265230CE4282C20C7928D75113&back=ask%3Dwhat%2Bis%2Ba%2Bmap%2Bdatum%26o%3D0%26x%3D19%26y%3D11&ask=what+is+a+map+datum&dt=021123191909&amt=

And about halfway down the page, "What is a map datum"? is discussed here:
http://www.ask.com/main/metaAnswer.asp?t=ai&s=a&MetaEngine=directhit&en=te&eo=3&o=0&frames=True&url=http%3A%2F%2Fwww%2Egpswaypoints%2Eco%2Eza%2FFAQ%5Fbasic%2Ehtm&ac=4&adcat=trvl&pt=General+FAQs&dm=http%3A%2F%2Fwww%2Egpswaypoints%2Eco%2Eza%2FFAQ%5Fbasic%2Ehtm&io=0&qid=C6C0CC265230CE4282C20C7928D75113&back=ask%3Dwhat%2Bis%2Ba%2Bmap%2Bdatum%26o%3D0%26x%3D19%26y%3D11&ask=what+is+a+map+datum&dt=021123191909&amt=

If these links don't work, go to www.askjeeves.com and enter "what is a map datum".

73's
Ray - WB3ABN
Kingston, WA

-----Original Message-----
From: bounce-aprssig-29143@lists.tapr.org
[mailto:bounce-aprssig-29143@lists.tapr.org] On Behalf Of Bruce Coates
Sent: Saturday, November 23, 2002 16:50
To: TAPR APRS Special Interest Group
Subject: [aprssig] Re: Different datums

I tested this out ... unintentionally. We used APRS in the local Santa Claus parade last weekend. 3 GPS's were set for their default WGS84
datum
while the 4th was set to the datum that should be used for central
Canada.
(I can't recall the name) The end result was that the position reported
by
the 4th GPS about 500 feet NE of where the other three read.

I'm not sure of the exact mechanics of how the datum is used in the calculation, but I know the end result.

73 - Bruce - VE5BNC

----- Original Message -----
From: "Andrew Rich" <andrew.rich@bigpond.com>
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Sent: Saturday, November 23, 2002 5:38 PM
Subject: [aprssig] Different datums

> Howdy,
>
> + Does anyone know what affect different datums has on a position
report ?
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>
> Andrew VK4TEC
>

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>

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539. [aprssig] Re: Different datums

From: "Curt Mills, WE7U" <archer@eskimo.com>
Date: Sat, 23 Nov 2002 20:21:03 -0800 (PST)
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: TAPR APRS Special Interest Group <aprssig@lists.tapr.org>,
    aprssig@tapr.org
Message-ID: <LYR842-108349-2002.11.23-22.49.16--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

On Sat, 23 Nov 2002, Ray McKnight - WB3ABN wrote:

> Sorry for the long links, but here are two good discussions of map
> datums. From what I've learned from Gerry, it is VERY difficult to just
> "convert" waypoint positions mathematically from one datum to another to
> derive an "exact" position. This only scratches the surface of this
> very intricate problem.

That's putting it mildly! Gerry starts talking about this stuff in detail and I get lost pretty quickly!

For APRS purposes, the GPS should be set to WGS84. For other purposes, it should be set to the datum of the map you're currently using.

Across our county in WA, the difference between NAD27 and WGS84/NAD83 is between about 90 and 105 meters. That's quite a bit. It changes quite a bit for different areas of the world. Gerry also mentioned something about a subjective vs. objective datum. That might be part of why the difference varies wildy in different places.

For Garmin GPS'es, changing the datum DOES change the lat/long coming out of your GPS on the serial line. Garmin also puts out a sentence telling what datum you're currently using, but I don't think any software currently uses this to tweak your position to the map datum the software wants to use. It's important to keep it on WGS84 when using APRS for this reason.

Curt, WE7U.   archer@eskimo.com
http://www.eskimo.com/~archer
  Lotto: A tax on people who are bad at math. - unknown
Windows: Microsoft's tax on computer illiterates. - WE7U.

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540. [aprssig] Re: Different datums

From: "Darryl Smith" <Darryl@radio-active.net.au>
Date: Sun, 24 Nov 2002 16:30:03 +1100
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-108362-2002.11.24-00.15.57--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

G'Day

There are people that will disaggree with me, but here in Oz you should use the new GDA94, or WGS84. These are within mm of each other for most of the world.

Many people down here are suggesting that AGD66 should be used so that some older maps show up correctly. Australia as a nation has decided to phase out AGD66 and mode to GDA94, by the year 2000.

AGD and GDA are out by about 200m, but that varies with Lat and Long. I know that near Bondi Beack there are hams living with large towers at the same Lat/Long, just different datun.

So use GDA94, or WGS84, and make sure everyone else does too. I personally use WGS84, but it does not matter which of the two. And if someone tries to tell you that your GPS is wrong, then they are wrong.

I have included some Q&A from the GDA WWW Site.

Why is Australia adopting the GDA?
It is becoming increasingly inefficient to work with AGD coordinates in an international environment where positioning, navigation and information systems relate to a global Earth model. The use of a globally compatible coordinate system is inevitable and the longer it is left, the more difficult and expensive it will be to convert.

Why can't we continue with AGD and just transform coordinates as required?
Because of the convenience and efficiency, large organisations will ignore AGD and use global coordinates anyway. Many international organisations are already committed to a geocentric coordinate system, and the equivalent Australian organisations are following this user demand (e.g. Civil Aviation Authority, Dept of Defence). It is therefore sensible to provide the framework for this inevitable change to occur smoothly and economically and without fragmentation of Australia's coordinate system.

Do I have to change to GDA?
You don't have to change to GDA. As always, individual authorities will be able to work with project based coordinates (AGD or whatever). However, as other authorities change to GDA, it will be increasingly inefficient to integrate these projects with other data sets.

How will 'continental drift' affect GDA?
The Australian plate is known to be moving in a north easterly direction at a rate of about 6 cm per year, but there is little known distortion within the plate. This means that continental drift will have no real effect on relative GDA positions, but over time the absolute position of all points will change by a similar amount.

Those seeking accurate positions from GPS work with differential positions and will not detect any change in absolute position. With current technology the best absolute position that can be obtained by routine means is about 20 metres. This means that it would take about 300 years before the change could be detected.

Assuming that rapid advancement and availability of technology allowed absolute positions to be determined at the 1 metre level, it would still be 15 - 20 years before the change could be detected. At this time transformation parameters could be derived allowing the few who needed to, to update their absolute position.

Will zero degrees longitude still pass through Greenwich?
Yes, zero degrees longitude will still pass through Greenwich because this is part of the definition of the coordinate system used by GDA.

Darryl Smith, VK2TDS   POBox 169 Ingleburn NSW 2565 Australia
Mobile Number 0412 929 634 [+61 4 12 929 634 International]
Darryl@radio-active.net.au | www.radio-active.net.au

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541. [aprssig] W7LUS

From: "W7LUS - Peter" <w7lus@winlink.org>
Date: Sun, 24 Nov 2002 8:19:27
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-108392-2002.11.24-09.03.52--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

As mentioned before have been trying to work out bugs with running Aprs using the Sprint Merlin C210 air card. Hopefully we have found why the air card will only operate for a couple of hours then die! Yesterday we drove the usual 1 plus to the "big city" that being Ashville, NC. Was looking for more ram for my anchient (1996) Gateway Solo 9100 laptop. There isn't a Comp USA but there is a Gateway store. Was hoping they would at least provide some info and where to purchase the ram. gateway has changed a bit...they now carry some stock. When I bought my 9100 it was listed at $4500 but I bought it refurbished, after the orginal owner returned it within 3 weeks, for $2300. It had been running Aprs almost continuosly 24/7/365 until I sold the truck May 1999. You see I am trying to justifiy what I am about to inform you about. While I was getting the info my friend was window shopping. I can't believe how much the prices have dropped for laptops. Well JOe asked to look at the Gateway 1450 with lots of ram, of course, 1.13 gig processor, 30 gig HD, floppy, USB, PCMCIA, 16X CD-RW, maybe it was fater than 16X, DVD, 15 inch screen that I can see from all angles very nicely, Windows XP Home, in a black box! And it isn't even modular so all these things are in place in the black box al the time ready for use. I think it was $999 but there was an immediate rebate that the salesman didn't even know about until he rang it up...anyway the totally with tax out the door was $957. Now maybe I am way out of tune but I think I got a lot of reliable machine and service for a very reasonable price. But the best part is that it is for you all! Well at least I hope this resolves the problems. So far it appears that way. It is a little frustrating going for Win 98SE to XP Home but that'll get better with time.

Although I won't be xmitting on the ham band at least I won't be on a wire and will still be sending my posits via RF...at 1.9 gHz! But as I promised I will be back on HF/VHF (ham bands) on Aprs just as I used to be probably within 6 months. The new laptop has delayed me about many days of that 6 months saving for somewhere between $25-40K down stroke for the new truck. It'll then take about 30 days for the truck to be built and about 8 weeks for the sleeper to be built and mounted.

Another reminder...remember that the air card it depending on the Sprint network to be there! Sprint says they cover "nearly" all the Interstate highways! Yeah right! I know of about 50 miles on I40 east of Albuquerque that there is no network! So if I odn't carry on a get to using my gift to gab (even with my fingers) as I am doing right now then if you lose me on Aprs it is because of Sprint and not the hardware or software! Be patient and hopefully I'll pop back on the screen. Presently I am home in the mountains of western NC and there is no Sprint network nearby. Later today (Sunday 11/24/02), probably mid afternoon, I'll be on my way to Charlotte. I am going to go 30 mile out of my way to stay on the Interstate system hoping that Sprint will be there all the way. Watch for me and if you light let me know if it worked out okay. I'll stop a couple of time to check it out. I did receive the power/data cable yestersay for the GPS. Surpising enough I only made one battery change from Chicago to Atlanta to here with the Garmin Sport Track.

Enough already!
Peter
www.qsl.net/w7lus

Also

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542. [aprssig] ID Digipeaters

From: Bob Bruninga <bruninga@usna.edu>
Date: Sun, 24 Nov 2002 10:39:15 -0500 (EST)
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-108399-2002.11.24-10.23.45--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

APRSdom,

We are trying to get a handle on how the national APRS

system is working and how it can best serve users.
We need some feedback.

The following digis have reported mobiles and position reports DIRECT from over 150 miles away. The number of such hits are shown. K4HG made this list from 5 hours of data capure from FINDU.COM of all packet paths in the format of:

FROM>TOCALL,DIGIx,........

and then comparing the posit of the FROM call to the DIGIx. Hopefully the first digi is where the packet was first heard.

The assumption is that these anomolous reports are either
1) DX packets
2) the DIGIx has "ID" set and is overwriting the source data
3) or some digipeaters may be doing pre-emptive digipeating.

The "ID" digipeaters always overwrite the first digi of a path with their own call, thus losing the originators path data and undermining the performacne of the national network.

But because of these ambiguities this data interpretation could be wrong. We need your help to validate this list.

If you can hear any of these digis DIRECT, you can easily confirm if they have ID set or not by sending a packet with only the path of "WIDE3-3" (the 3 is not important). If the packet comes back in the form of DIGIx,WIDE3-x then the DIGIx is an ID digi, and we need to know that so we can tell where the national APRS network is broken.

This list is sorted from WEST to EAST in Longitude, so it should be easy to find your local digi, do the test, and report privately to me and I will clean up the list.

Thanks!

WIDEn DIGI	Hits	LAT	LON
ELLIS	5	48	-125
VE7SLC-7	2	48	-124
VE7VAN-3	353	49	-124
BEAR	8	44	-123
VE7RQM	6	53	-123
VE7RES	4	54	-123
VE7IPB-10	244	49	-123
WB6YNM-3	12	39	-123
W6CX-3	7	38	-123
WR6ABD	13	37	-122
WB6GUM-3	10	37	-122
KQ6DI-3	4	38	-122
N6CP-1	7	36	-121
VE7KIG	4	51	-121
VE7OG-12	255	49	-120
VE7TUK	4	50	-120
VE7SFX	56	50	-120
JOJ	3	46	-120
N7KMJ-10	12	45	-119
WA6YLB-4	10	35	-118
K6TVI-1	4	34	-117
CNABAR	13	43	-117
W5NVH-10	17	33	-117
WA7RVV-8	186	48	-117
N7ZEV-3	7	36	-116
VE7PAC-12	2	49	-115
WA7RAT-12	4	35	-115
W7DXJ-1	7	35	-115
KJ7KY-15	6	34	-115
W7MOT-14	33	35	-114
WHTNKS	2	34	-113
K7MT-10	2	47	-113
RCHFLD	43	39	-113
SHEPRD	12	41	-112
N7XYR-1	9	37	-111
KD7DR-3	29	33	-111
LEMMON	2	32	-111
MULE	3	31	-110

```
WA5IHL-10  2    34  -108
 WB5EKP-1  4    35  -108
WA5IHL-14  4    35  -107
   W5SF-1  4    36  -106
  KK7CN-8  14   41  -106
 WA0BAG-5  38   41  -106
   KB0UUR  3    39  -105
 WB0JRG-7  100  38  -105
 KB5WIO-7  6    35  -102
 KC5MVZ-3  5    34  -102
  AI5TX-3  44   31  -102
  N5LTC-3  5    31  -101
 WD5IYT-1  41   31  -99
 WD5IYT-2  152  30  -98
 VE4GIL-3  20   50  -98
  KE0VN-2  10   47  -97
 W5EEY-11  5    33  -97
 KD5MID-5  9    30  -96
   K5WH-2  3    30  -96
  AI5TX-2  21   30  -96
   WV0T-9  3    39  -95
   LTROCK  125  35  -93
   KM0R-3  13   39  -93
 KC0IRJ-3  8    39  -93
  KG5KS-3  3    36  -92
 KD4TJN-3  3    35  -90
    W9GSS  5    41  -90
    K9HGX  2    40  -90
KA9VNV-15  4    42  -89
 WB0NOO-2  53   36  -87
   W4BS-3  4    37  -87
 WB0NOO-1  4    36  -86
  N4KMJ-7  3    33  -86
KB8GVQ-15  59   46  -86
    W8LRC  3    43  -86
  W9INX-7  6    41  -86
    N8RGC  2    43  -84
   W4TL-3  13   35  -84
  N4NEQ-3  2    35  -84
 N4SEM-12  64   21  -83
 AG4PX-10  2    30  -83
 KF4JEX-4  27   32  -82
WC4PEM-10  8    28  -82
   VE3WZL  16   44  -82
  AA4QI-1  69   30  -82
 KF4JEX-3  11   32  -82
  N1NFC-1  15   31  -82
  N4WYK-2  59   36  -82
   W8GK-5  4    38  -82
   W4HF-2  5    36  -82
 KA4YMY-9  23   35  -82
 WA4SAS-9  2    35  -82
 KA4KMA-5  22   35  -81
 KA4KMA-6  26   36  -81
  W4APE-9  5    35  -81
  K4EME-3  4    38  -80
 KD4PBS-3  7    36  -79
 KF4UCI-3  2    38  -79
  K8SDG-6  9    40  -79
     WX3P  2    43  -78
  N3XBO-4  10   40  -78
   KV3B-1  17   39  -78
 KB3BLS-1  25   40  -77
 N4EVA-11  15   37  -77
  K2AMB-3  2    43  -77
 KB2EAR-1  16   40  -75
 VE2RTS-3  2    45  -74
IW2GUR-11  50   46  -10
   CT0XCA  4    37  -8
EB5JGM-15  2    38  -2
 F6KPH-14  2    43   0
 F5ISQ-10  7    43   2
EA3ANS-15  37   41   2
  F5KCS-2  3    50   2
  EA3F-15  2    42   2
  F1BIV-2  2    48   2
EA3CWQ-14  4    42   2
EA3CWQ-15  17   42   3
  F5KIS-2  2    44   4
  DB0KX-2  73   51   6
    DB0QT  2    50   7
 DB0DBU-2  16   51   7
IW1ELO-11  25   45   8
   DB0DXM  4    51   8
IK1LWK-11  34   44   8
   DB0GPS  4    52   9
   OZ2DIH  7    55   9
 IR4PC-11  8    45   9
IA5TMF-11  66   43   10
IW5BFZ-11  4    44   10
IZ4BEQ-11  5    44   10
   OZ4DIX  6    55   10
IK4XQC-11  8    44   10
    IR3UT  4    46   11
 DB0LWL-1  2    53   11
   IR3BL1  3    46   12
   OZ4DIB  3    56   12
   DB0ZWI  5    51   12
    IR6PS  8    44   12
   IW0RED  2    43   12
   IR9SMB  7    38   13
   IR9AAD  35   38   13
   DB0AJW  5    53   13
OE8XDR-11  2    47   13
   OE3XGU  3    48   15
 HG5PBD-2  3    48   18
SV2EDE-11  2    41   21
   SZ1RKE  2    39   22
   J41VAE  5    38   23
```

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543. [aprssig] Re: ID Digipeaters

From: Glen Tubbesing <n7got@earthlink.net>
Date: Sun, 24 Nov 2002 08:36:33 -0800
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: TAPR APRS Special Interest Group <aprssig@lists.tapr.org>
Message-ID: <LYR842-108403-2002.11.24-11.20.59--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Bob,

The other possibility is that some of these digipeaters are located on high mountaintops, with large areas visible to them. I know that the N7ZEV digi here in the Las Vegas area is atop an 8000' mountain, and can hear from Barstow, California to St. George, Utah along Interstate 15.

73,
Glen N7GOT
Las Vegas, NV

Bob Bruninga wrote:

```
>The assumption is that these anomolous reports are either
>1) DX packets
>2) the DIGIx has "ID" set and is overwriting the source data
>3) or some digipeaters may be doing pre-emptive digipeating.
>
>
>WIDEn DIGI Hits LAT  LON
>---------- ---  ---  ---
>  N7ZEV-3  7    36  -116
>WA7RAT-12  4    35  -115
>  W7DXJ-1  7    35  -115
> KJ7KY-15  6    34  -115
> W7MOT-14  33   35  -114
>   WHTNKS  2    34  -113
>
>
```

```
---
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```

544. [aprssig] TAPR List Sponsorship

```
From: "Darryl Smith" <Darryl@radio-active.net.au>
Date: Mon, 25 Nov 2002 09:37:40 +1100
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: "TAPR Board of Directors" <tapr-board@lists.tapr.org>
Message-ID: <LYR842-108439-2002.11.24-17.23.46--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain
```

```
G'Day All

Thank you for reading this message. TAPR provides this mailing list
along with others as a service to their members and the Ham Radio
community in general. Providing this service and other services such as
our FTP site and the cost of developing new products like the Pic-E and
EasyTrak, costs money.

We are more than happy to provide these resources to the entire Ham
Radio community, but we do ask that you do concider joining TAPR. A good
way to see what we're up to is to take a look at the latest issue of our
quarterly journal, the  _Packet_Status_Register_ which is available for
download at
http://www.tapr.org/PSR

Membership in TAPR is only US$20 regardless of whether you live in
Tuscon, Arizona, or Sydney, Australia. If you want to join, or if your
membership is coming up for renewal, please visit www.tapr.org on the
Web for details. Specifically you can go to the following page for
information
        http://www.tapr.org/tapr/html/Fmembership.html

Darryl Smith, VK2TDS
TAPR Board Member

P.S. I have recently joined the board as its first non-North American
board member. As part of my Board duties, I have agreed to have overall
responsibility for membership. If anyone has any questions or concerns
about membership or TAPR in general, please EMAIL me. I can also be
contacted by phone with prior arrangement

---------
Darryl Smith, VK2TDS   POBox 169 Ingleburn NSW 2565 Australia
Mobile Number 0412 929 634 [+61 4 12 929 634 International]
vk2tds@tapr.org | www.radio-active.net.au



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```

545. [aprssig] RE: TM-d700 setup

```
From: "Chris Rose" <kb8uih@arrl.net>
Date: Sun, 24 Nov 2002 18:23:21 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-108460-2002.11.24-18.04.24--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain
```

```
In the APRS menu, you need to set the time and maybe date in the TNC and
activate the TNC for APRS on powerup.

Chris
KB8UIH

----- Original Message -----
From: "Lee Inman" <leei@att.net>
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Sent: Friday, November 22, 2002 8:25 AM
Subject: [aprssig] RE: TM-d700 setup


> >
> > A friend just got one, and I'm trying to help him set it up.
```

> > Everything looks fine, 144.39 on the left, data on band A, TX
> > every 3 mins, no rpt offset etc, but it's not transmitting.
> >
> > The radio's up and running, he's using the right (b) side for
> > voice on 440.
> >
> > What sorts of non-obvious things can you get wrong on this?
> >
>
> Be sure that:
>
> 1. If using a GPS, that it is set up to use in in the menu
> 2. If not using a GSP, that it isn't set up
> 3. Beacon is turned on or that you have otherwise triggered the position
> report
> 4. That the squelch setting is set properly
>
> BTW, the right VFO can do either VHF or UHF with this configuration.
>
> 73, Lee K0QED
>
>
>
> ---
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> Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org
>

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546. [aprssig] Palm M105 Question

From: "James" <kb7tbt@qsl.net>
Date: Sun, 24 Nov 2002 16:26:27 -0700
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-108464-2002.11.24-18.12.07--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Hi Folks!

I have a Palm M105, I have installed the pocketAPRS on it and a Phoenix map.

I assume that this is the setup I need. It does work so far I think, don't
see the map yet.

My main question is what do I need to setup a GPS/TNC with the 105 and do I
need to use the hot sync cradle or is there another cord that will interface
with it?

Is there a way to power the unit without soldering wires on the Batt
Terminals?

I am currently running a KPC3+ on a Yaesu 2600, WinAPRS on a p166 junk
computer at the house. No GPS required.

KB7TBT-1 House - Fully Functional
KD7KYO-1 Mobile - Working on it

KB7TBT Home Page
http://www.qsl.net/kb7tbt
DM33

In the 60's people took acid to make the world weird. Now the world is
weird and people take Prozac to make it normal.

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547. [aprssig] H2O objects?

From: "Chris Schwab" <1schwab1@Tampabay.rr.com>
Date: Sun, 24 Nov 2002 22:06:19 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-108494-2002.11.24-21.50.44--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

All:

I've been getting a bunch of objects such as "02305851" or "02301638"
with an "H2O" symbol from WE7U.

What do these symbols represent? I notice a bunch of them around my home
county of Pinellas, FL.

73!
Chris N4BSA

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548. [aprssig] Re: H2O objects?

From: "Spider" <spider@rivcom.net>
Date: Sun, 24 Nov 2002 20:38:29 -0700
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-108496-2002.11.24-22.23.07--lyris.aprssig#tapr.org@lists.tapr.org>
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Hi Chris,

You are connected to an APRSFIRENET server. FIRENET, although it includes
the APRS-IS, is a seperate network with much more data on it with the client
connectivity to/from the APRS-IS.
The H2O objects you are seeing are water gaging stations. You can see
gaging height (gh) and water flow (cfs). They normally are located on some
sort of water way, river, lake, dam, etc. They are normally operated by
some government entity like Corps of Eng., BOR, USGS, etc.
Any other questions you may have, I'd be happy to answer them off list at
jim@wa6oft.com .

73
Jim, WA6OFT

----- Original Message -----
From: "Chris Schwab" <1schwab1@Tampabay.rr.com>
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Sent: Sunday, November 24, 2002 8:06 PM
Subject: [aprssig] H2O objects?

> All:
>
> I've been getting a bunch of objects such as "02305851" or "02301638"
> with an "H2O" symbol from WE7U.
>
> What do these symbols represent? I notice a bunch of them around my home
> county of Pinellas, FL.
>
> 73!
> Chris N4BSA

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549. [aprssig] Portable Weather Station

From: "Peter \"Dakota\" Summerhawk" <dakotas@dotorg.org>
Date: Wed, 20 Nov 2002 01:36:46 -0700
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-108497-2002.11.24-22.55.43--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

```
I was just browsing the net and came across the link for a neat little one
wire weather station, but it gets better, they have a Visor modual for the
weather station/ Nice way to have a sweet little aprs station that can do
weather and aprs all in a neat paclage. Thought I would share the link:
http://www.aag.com.mx/visorgen.html
N0WRE



---
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```

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550. [aprssig] NOSaprs 1.15b3 available - WIDE & WIDEn-N digipeating

From: Maiko Langelaar <maiko@langelaar.net>
Date: Tue, 19 Nov 2002 11:44:05 -0600
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-108498-2002.11.24-22.55.47--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

```
Greetings,

Release 1.15b3 of NOSaprs is now available as a complete upgrade
kit (not a patch this time) from any previous release of NOSaprs
for JNOS and TNOS.

I have also added fresh new DOS and Linux binaries (executables)
of JNOS (version 111f) that have NOSaprs 1.15b3 compiled in.

This latest release will let JNOS or TNOS do WIDE or WIDEn-N
digipeating just like a real APRS digipeater. I have code in
place to check for duplicate frames to avoid the situation of
WIDEn-N frames bouncing back and forth endlessly between NOS
and other digipeaters on frequency.

Note : Feedback is welcome. This is still ** EXPERIMENTAL **

Please MAKE SURE you read the release history notes for the
above new feature as well as other enhancements and fixes.

The website is as follows :

   http://www.qsl.net/ve4klm/packet/aprss.html

Best regards,

Maiko Langelaar / VE4KLM

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```

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551. [aprssig] Another low-cost ($114 US) GPS device suitable for trackers, D700, etc.

From: WA8LMF2@aol.com
Date: Wed, 20 Nov 2002 06:49:13 EST
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-108500-2002.11.24-22.56.24--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

```
I have mentioned, on this list,  in the past the Tri-M Systems Smart
Skymaster combination GPS Patch Antennna and 12-Channel Receiver.

[ New low price and order info after recap of my previous post for the
benefit of those that missed my original info. ]

This unit is packaged in a 2" diameter, 5/8" high white plastic package
similar to the standard antenna-only round GPS patches.
     A coarsely-threaded 3/4" hollow steel stud about a 1/2 inch long sticks
```

out of the bottom. You drill or punch a 3/4-inch hole in the vehicle roof or deck lid, insert the unit from the top and spin a matching plastic wingnut onto the stud from the bottom.

An 8-pin mini-DIN cable with a right-angle plug (same connector used on Macintosh serial ports) plugs into a female DIN socket in the center of the stud. The total clearance required under the mounting surface is about 1".

The other end of the 8-foot cable has the usual 9-pin DIN plug (for PC serial port data) and PS/2 plug (to tap 5VDC from a laptop's ext keyboard connector). The 8-pin connector in the receiver has a pin with a 1 PPS TTL timing output, but the cable assembly doesn't carrry it to the DB9 -- you would have to make your own cable by cutting up a Mac serial cord.

A cigarette-lighter plug with integral 5VDC-out switching regulator is included to power the unit if you don't want to use a laptop. This regulator caused massive RFI to the standard AM broadcast band and the 160/80M ham bands so I replaced it with another switcher I packaged in a heavily-shielded die-cast box.

I made a mag-mount adapter for this device by punching a 3/4" hole in the top of the cap from a Right Guard spray can, mounting the Skymaster on it and then gluing some magnetic rubber gasket material to the bottom with silicon rubber adhesive.

The unit automatically starts outputting $GPGGA, $GPRMC, $GPGSV, $GPVTG, $GPLL, and $GPGSA strings at 4800-8-N-1 when powered up. I have had one hard-mounted on my Passat running continuously 24/7 for over a year now with excellent results. It simultaneously feeds my D700, laptop and a TigerTrak tracker. The 12 VDC drain with an 85%-efficient switching supply is about 70mA.

Having the antenna AND receiver roof-mounted has a considerable advantage. When the receiver is remotely located, the antenna must have a high-gain preamp in it to offset the astronomical coax loss, at 1600MHz, of the RG-58 or smaller cable typically used to connect remote GPS ants to receivers. These 15-20dB gain amps, are located directly behind low-Q broadband (not-frequency selective!) patch antennas. They easily overload, desense and go out of lock when you pass within a half-mile or so of the ever-increasing number of 1.9GHz PCS cell sites in urban areas. [Or if you frequent mountain tops with 2GHz microwave systems on them as I do!]

In the past, I was amazed to see that cheap "mouse-type" GPS units (such as the Delormes, Rand McNally, Pharos, etc) sitting on my dashboard inside the windshield actually remained in lock far better than a more expensive unit with remote external antenna. The common characteristic of all these units is that they use a PASSIVE antenna connected directly to the receiver front end with essentially zero feedline. With no active electronics in the antenna, they are far more immune to PCS overload.

This device is manufactured (or is it imported from Taiwan??) by Tri-M Engineering at:
http://www.tri-m.com/products/systems/smartskymaster.html

Quoting from the Prairie Geomatics website (their Canadian distributer located in Manitoba, CA) at:
http://www.prairie.mb.ca/tri-m.htm :
"Not just an antenna... but a 12 parallel GPS and antenna in one small, roof-mountable enclosure. Perfect for vehicle/motorhome use with a laptop running any of the readily available mapping programs. Power can be supplied by the included cigarette lighter plug or from the PS2 port of a laptop
NEW PRODUCT - NEW LOW PRICE ---> $114 US <--- $185 CDN"

Remember that with NAFTA, there is now no tarrif or hassle ordering stuff from Canadian dealers from US addresses.

Stephen H. Smith wa8lmf @ aol.com
Home Page: http://wa8lmf.com
Ham Radio/Mobile SSTV page: http://members.aol.com/wa8lmf/ham
APRS Stuff
http://members.aol.com/wa8lmf/aprs

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552. [aprssig] Re: Different datums {PART 1}

From: Gerry Creager N5JXS <n5jxs@tamu.edu>
Date: Sun, 24 Nov 2002 22:12:38 -0600
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: TAPR APRS Special Interest Group <aprssig@lists.tapr.org>
Message-ID: <LYR842-108501-2002.11.24-22.57.05--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

CAUTION: Technical Content to follow. Hit <Delete> if not interested.

Andrew Rich wrote:

> Howdy,
>
> + Does anyone know what affect different datums has on a position report ?

The Datum is the origin of measure of the system used to ascertain position. If you're going to measure something on the Earth, first you have to identify the system you're working in. This includes a point of origin, determination of the smooth shape of the earth, a coordinate system in which everything is measured, and the units of measure involved. If you're really esoteric, you'll also mention whether yours is a static (no accounting for tectonic motion, continental drift or solid earth tides) or dynamic (one or more are accounted for and periodic adjustments adopted).

A Datum is adopted to satisfy a local best-fit requirement. So, similarly, is an ellipsoid. Thus, datum and ellipsoid are inextricably linked.

The GPS Datum uses the World Geodetic System of 1984, a dynamic datum that incorporates the GRS-1980 ellipsoid as its core reference to the ellipsoidal shape of the Earth. It should be noted that the Earth is, for all intents and purposes, a sphere (some geomaticists and geodesists prefer the term 'spheroid' to that of 'ellipsoid' as a result). If the earth were viewed on a scale where it were the size of a billiard ball, it would, in fact, be a more perfect sphere than that ball is today. However, at the scale we look at it, we consider that in order to model the earth as a smooth surface, we must account for the fact that its equatorial radius is 6,378,137 meters, and a polar radius of 6356752 meters, for an eccentricity of 0.9966. Or, pretty close to a real sphere. WGS84 is "adjusted" mathematically about every 2 years to correct for continental and tectonic motion.

WGS84/GRS80 are a "best-fit" worldwide, and their periodic adjustment is meant to keep things in balance. It's a compromise, but one of the best, mathematically, to date.

(End Part 1)

Gerry N5JXS

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553. [aprssig] Re: Different datums {Part 2}

From: Gerry Creager N5JXS <n5jxs@tamu.edu>
Date: Sun, 24 Nov 2002 22:18:00 -0600
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: TAPR APRS Special Interest Group <aprssig@lists.tapr.org>
Message-ID: <LYR842-108502-2002.11.24-23.01.55--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

CAUTION: Technical Content Follows. Read at your own peril...

Continuing the discourse on Datums and Ellipsoids:

In the Continental US, Canada, Mexico or Latin America, one might also choose NAD83. Since NAD83 also uses GRS-80 for an ellipsoid and had similar assumptions on coordinate system and metrics. It's not adjusted as often as WGS84, but is still only centimeters different from WGS84 in precise measurement. Surveyors in the US use NAD83, as adjusted in 1999 and released to the public in 2000, for all formal work requiring reference to the National Spatial Data Infrastructure.

NAD83/GRS80 is the "best-fit" combination for the Continental US, and was designed with the intent of incorporating Canada and Central America. It's less than stellar, however, in Alaska, Hawaii and Puerto Rico.

On the other hand, if they were to use the North American Datum of 1927, and attempt to reference it using GPS, the results could be somewhat inaccurate, with varying accuracies in different parts of the US, and, if referenced outside the US, the best (and most hopeful) description of the results would have to be "Interesting." NAD27 had a somewhat checkered past, including our Congress decreeing the coordinates of some observation points used in the original adjustment, the fact that the instrumentation was crude by today's standards, and that all calculations were performed by hand.

NAD27 was "the best available at the time," but probably never really qualified as a "best-fit" datum model because of the long baselines, incomplete closure loops and subjective nature of some observations. The Clarke 1866 ellipsoid, however, was an excellent piece of mathematical legerdemaine. While its end result was pretty darned good, its derivation was somewhat interesting, but that's a different story.

Almost every country has devised their own national datum. The Soviet union, with Pulkovo 1942, not only had a national datum for thier geodesy and mapping, but made it a State Secret. Even today, it's hard to get ahold of. And, since it made no reference to other systems in widespread use at the time, it doesn't tie well to other schemes.

The British used the Ordinance Survey of Great Britain, 1936, and Airy 1830 Ellipsoid as their basis. This ellipsoid has a semimajor axis of 6,377,563.396 m and an index of flattening of 299.32496. Note that the equatorial radius is some different between Airey 1830 and GRS80.

OSGB 1936/Airey 1830 represents a better local fit than WGS84/GRS80 for the British Isles; thus that's what they use preferentially.

The short form answer is: There's a great deal of difference that may be seen when using different datums. It could be so small as to be almost indiscernable or large enough to make you think the cars are driving in the pasture land as much as a kilometer from the freeway THEY think they're on!...

73, Gerrry N5JXS
 >

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554. [aprssig] Re: Different datums {Part 3}

From: Gerry Creager N5JXS <n5jxs@tamu.edu>
Date: Sun, 24 Nov 2002 22:19:36 -0600
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: TAPR APRS Special Interest Group <aprssig@lists.tapr.org>,
        gerry.creager@tamu.edu
Message-ID: <LYR842-108503-2002.11.24-23.06.44--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Caution: Technical Content Follows

> + The signal is received from the GPS and decoded.
> + The signal is received from the GPS and decoded.
> + And then is the DATUM applied ?

Not usually. What the GPS receives is timing information. At least in the consumer grade receivers, that's what you get. The "Navigation Code" data are sent by the various satellites, and the receiver on the ground first finds a convenient satellite, the higher the better in its sky, and sync's its onboard, cheap, free-running quartz clock to the satellite's somewhat more stable rhubidium (primary) or cesium (backup) clock. Once sync'ed there's not much delta between the two, and within the error budget, the signals are as good as solidly locked.

The data from at least 4 satellites are received, incorporating the almanac data (rough satellite orbital data, satellite health/usability, tropospheric and ionospheric models, clock updates, maintenance schedules), the individual orbital (ephemeris) data for each satellite (and sent only by that satellite), and the navigation signal. The purpose of the navigation code is to allow the receiver to range itself to a single satellite. Once at least 4 satellites are visible, a 3D position fix can be achieved (3 satellites for 2D).

The process for position derivation is called trilateration. Unlike high school geometry where you thought in terms of a known distance between 2 stations, and fitting of position based on determining the angles between several stations (easier for the humans) in this case, you know where all the satellites are (recall, you got the ephemeris, and your GPS has a pretty decent CPU to propagate the ephemeris to "now") and you are getting distance from each satellite. This is somewhat harder to put into words than it is when I'm standing up in front of a class, can draw on the board, and wave my hands, but, knowing the position to one satellite places you on the surface of a virtual sphere at range 'n' from satellite 1, and surrouonding satellite 1. It tells you, really, nothing about a point or region on the Earth, at this time. When you've 2 satellite ranges, your position resides somewhere on the curvilinear pattern describing the surface intersections of the 2 spheres. Recall you're residing, now, on the surfaces somewhere of 2 spheres surrounding the 2 satellites you have good ranging on. And these spheres are diffing diameters. And moving. With a third satellite providing ranging data, you reside on the linear intersection of _3_ spheres, describing a 2D position within the limits of the error budget of the GPS system. Addition of data regarding a 4th satellite gets you a point position at the intersection of 4 spheres in virtual space, at a given epoch. Related back to the data concerning satellite orbits (ephemeris), one can then derive where one _WAS_ at the given epoch, in Earth Centered, Earth Fixed (ECEF) cartesian coordinates, with the X axis projecting from the centroid of mass of the Earth through the Greenwich, or Prime, Meridian (Longitude 0/360) at the equator (Latitude 0), the Y axis projecting from the centroid of mass of the Earth through the equator at Longitude +90 (EAST!), and the Z axis projecting from the centroid of mass of the Earth through the semimajor axis, or, the axis of rotation, nominally called the North Pole.

The various datums are related to ECEF coordinates, and from ECEF, can be converted via a multiparameter transformation to the datum of choice, with varying degrees of success... One can, for instance, convert TO NAD27 and back with a degree of aplumb. However, the mathematical relationship is not one where you can necessarily convert, starting with NAD27 coordinates to NAD83 or WGS84, and expect the same degree of resultant accuracy one could expect with WGS84-to-NAD83 conversion, or, NAD83-to-NAD27 and back. Subjective datums are like that.

> + I am curious

I like to see such curiosity about things like this!

> + Maybe I have it wrong ?
> + If you set a different DATUM does your position move by xx ?

Depends on the datum. Some transform cleanly, some do not, as I've indicated above.

> + Has anyone tested this ? I plan to shortly

Er, yes. Evaluations of datum transformation are standard in geodesy and geomatics classes.

Note: This doesn't even begin to discuss the difference between sea level height datums and orthometric height datums. That's a whole 'nother semester's lectures. And I've only skimmed the surface here.

Gerry N5JXS

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Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

555. [aprssig] Re: Different datums

From: Gerry Creager N5JXS <n5jxs@tamu.edu>
Date: Sun, 24 Nov 2002 22:41:35 -0600
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: TAPR APRS Special Interest Group <aprssig@lists.tapr.org>
Message-ID: <LYR842-108504-2002.11.24-23.25.26--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

```
In my area, in Central Texas sees a differential of 120 meters or so
between NAD83/WGS84 and NAD27.

gerry

Bruce Coates wrote:
> I tested this out ... unintentionally.  We used APRS in the local Santa
> Claus parade last weekend.  3 GPS's  were set for their default WGS84 datum
> while the 4th was set to the datum that should be used for central Canada.
> (I can't recall the name)  The end result was that the position reported by
> the 4th GPS about 500 feet NE of where the other three read.
>
> I'm not sure of the exact mechanics of how the datum is used  in the
> calculation, but I know the end result.
>
> 73 - Bruce - VE5BNC
>
> ----- Original Message -----
> From: "Andrew Rich" <andrew.rich@bigpond.com>
> To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
> Sent: Saturday, November 23, 2002 5:38 PM
> Subject: [aprssig] Different datums
>
>
>
>>Howdy,
>>
>>+ Does anyone know what affect different datums has on a position report ?
>>+ The signal is received from the GPS and decoded.
>>+ And then is the DATUM applied ?
>>+ I am curious
>>+ Maybe I have it wrong ?
>>+ If you set a different DATUM does your position move by xx ?
>>+ Has anyone tested this ? I plan to shortly
>>
>>Andrew VK4TEC
>>
>>---
>>You are currently subscribed to aprssig as: bruce.coates@sk.sympatico.ca
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>>Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org
>>
>
>
>
> ---
> You are currently subscribed to aprssig as: gerry.creager@tamu.edu
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>



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```

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556. [aprssig] Re: Portable Weather Station

From: "B. Hildebrand" <bhildebrand@earthlink.net>
Date: Sun, 24 Nov 2002 20:56:24 -0800
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-108506-2002.11.24-23.40.55--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

```
Peter, you might be interested in a document that describes a portable
weather station used by the National Forest Service in California on APRS.
The file is at: ftp://ftp.tapr.org/aprssig/winstuff/aprsplus/APRS Weather
Stations.doc

Brent Hildebrand, KH2Z
```

```
http://www.tapr.org/~kh2z/aprsplus
ftp://ftp.tapr.org/aprssig/winstuff/aprsplus

[]


----- Original Message -----
From: "Peter "Dakota" Summerhawk" <dakotas@dotorg.org>
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Sent: Wednesday, November 20, 2002 12:36 AM
Subject: [aprssig] Portable Weather Station


> I was just browsing the net and came across the link for a neat little one
> wire weather station, but it gets better, they have a Visor modual for the
> weather station/ Nice way to have a sweet little aprs station that can do
> weather and aprs all in a neat paclage. Thought I would share the link:
> http://www.aag.com.mx/visorgen.html
> N0WRE
>
>
> ---
> You are currently subscribed to aprssig as: jhall@houston.rr.com
> To unsubscribe send a blank email to leave-aprssig-842K@lists.tapr.org
> Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org
>
> ---
> You are currently subscribed to aprssig as: b.hildebrand@verizon.net
> To unsubscribe send a blank email to leave-aprssig-842K@lists.tapr.org
> Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org
>
>



---
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```

557. Your confirmation is needed (ok 842)

From: Lyris <unsubscribe-confirm@lists.tapr.org>
Date: Mon, 25 Nov 2002 00:04:58 -0500
To: lyris.aprssig@tapr.org
Message-ID: <LYR842-108517-2002.11.25-00.04.58--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

```
Your email address 'lyris.aprssig@tapr.org' has been submitted to be
unsubscribed from the 'aprssig' mailing list.

This unsubscribe command requires your confirmation that you want to be
unsubscribed.

To confirm that you do want to unsubscribe, reply to this message so that
the words "ok 842" appear somewhere on the subject line.

Make sure that your reply message is addressed to
unsubscribe-confirm@lists.tapr.org

You will receive notification that your confirmation has been received, and
that you have been unsubscribed.

If you do not want to unsubscribe, do nothing.  You will be kept on the
mailing list.

---

Return-Path: <centrorelax@axtel.net>
Return-Path: centrorelax@axtel.net
Received: from mail51-axtel.net ([200.52.12.134]) by lists.tapr.org with SMTP (Lyris Server version
3.0); Mon, 25 Nov 2002 00:04:55 -0500
Received: from centrorelax ([200.56.66.47]) by mail51-axtel.net  with Microsoft
SMTPSVC(5.5.1877.447.44);
         Sun, 24 Nov 2002 23:09:13 -0600
From: "Centro Relax" <centrorelax@axtel.net>
To: aprssig-request
Subject:
X-Mailer: Microsoft Outlook Express 6.00.2600.0000
Reply-To: centrorelax@axtel.net
Date: Sun, 24 Nov 2002 23:04:21 -0600
```

```
Mime-Version: 1.0
Content-Type: text/html; charset=us-ascii
Message-ID: <0f8e913090519b2ASINMYSWNT51MS@mail51-axtel.net>

# Mail sent to leave-aprssig-842k was converted to these commands:
unsubscribe aprssig lyris.aprssig@tapr.org confirm
end

# This is the text of the message that triggered the action:

Return-Path: <centrorelax@axtel.net>
Received: from mail51-axtel.net ([200.52.12.134]) by lists.tapr.org with SMTP (Lyris Server version
3.0); Mon, 25 Nov 2002 00:04:55 -0500
Received: from centrorelax ([200.56.66.47]) by mail51-axtel.net  with Microsoft
SMTPSVC(5.5.1877.447.44);
         Sun, 24 Nov 2002 23:09:13 -0600
From: "Centro Relax" <centrorelax@axtel.net>
To: leave-aprssig-842k@lists.tapr.org
Subject: Regalate una hora
X-Mailer: Microsoft Outlook Express 6.00.2600.0000
Reply-To: centrorelax@axtel.net
Date: Sun, 24 Nov 2002 23:04:21 -0600
Mime-Version: 1.0
Content-Type: text/html; charset=us-ascii
Return-Path: centrorelax@axtel.net
Message-ID: <0f8e913090519b2ASINMYSWNT51MS@mail51-axtel.net>


En estas �pocas de felicidad y armon�a reg�late una hora de tiempo y disfruta de nuestro masaje
Relax-plus.
Este es un masaje integral a nivel psicof�sico y espiritual. Tiene una duraci�n de aproximadamente 45
minutos y combina varias t�cnicas (masaje relax,  reflexolog�a, shiatsu y drenaje linf�tico).
Si deseas mas informaci�n consulta nuestra pagina http://www.centrorelax.com.mx
Estamos a tus ordenes en Av. Patriotismo 888-b, Colonia Insurgentes Mixcoac, M�xico, D.F.
Citas 8500-5000

Si quieres que te eliminemos de nuestra base de datos manda un mail en blanco a bajas@centrorelax.com.mx
```

---

558. [aprssig] RE: USB to Serial and Dallas Semi / AAG wx station...

From: "Robert E. Martinson" <REMartinson@RCN.com>
Date: Mon, 25 Nov 2002 01:07:35 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-108528-2002.11.25-00.51.59--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Hi,

Sorry so slow in responding, but I was hoping someone else had better info
then I do.

I have an "entrega technologies HUB-2U4S" which I bought new about 2 years
ago. It has one USB input and 2 USB + 4 serial outputs. It seems
www.entrega.com doesn't work now. See:
http://www.neoseeker.com/Companies/profiles/Entrega/ .

73,
Bob
N1VQR@amsat.org

-----Original Message-----
From: bounce-aprssig-19956@lists.tapr.org
[mailto:bounce-aprssig-19956@lists.tapr.org]On Behalf Of Mike Yetsko
Sent: Wednesday, November 20, 2002 4:21 PM
To: TAPR APRS Special Interest Group
Subject: [aprssig] USB to Serial and Dallas Semi / AAG wx station...

A couple of quick questions...

First, I'm writing an application that use a weather station (just
pressure,
temp, and hum) and I want to try to use the roof top unit that used
to come from Dallas Semiconductor (the 1-Wire thing for use with
the T-238) as an 'aux' input for wind direction and speed. Not to
mention a second temp, and maybe add the rain bucket too.

Anyway, while I have two serial ports on my machine, I also use them
for other things.

One time, quite some time ago, I saw a 4-port serial hub that ran on
the USB. Is that still being made? Or is my best bet to just get a
4-port
USB hub and then put in USB-serial cables as needed?

The other question concerns the weather unit. For direct PC use, it
uses the serial to 1-wire converter. Are the RS-232 levels on a USB
to serial converter robust enough to then power a serial to 1-wire
converter to power the station? Anyone try this yet?

If not, I will have to try it... But I thought if maybe someone else
already
did they might give me some 'heads up'.

Oh, finally, I just ordered one of the weather units from AAG. Any
feedback, pro or con, on dealing with them and getting the product
from Mexico to here? I put the units on a credit card, but they only
accept "Pay Pal".

Mike

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559. [aprssig] Re: Different datums

From: "Mark Fellhauer" <sparkfel@qwest.net>
Date: Mon, 25 Nov 2002 00:51:33 -0600
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-108531-2002.11.25-01.38.40--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

At 10:12 PM 11/24/02, Gerry Creager N5JXS wrote:

>CAUTION: Technical Content to follow. Hit <Delete> if not interested.

Thanks for the overview, I for one, appreciate it. I'm sure I've read all
that stuff before, but sometimes a refresher course is helpful.

About 4-5 years back I was backapacking in Arizona with some friends in an
area we had never hiked before and we were in a heavily wooded area where
the trail was faint and distant landmarks were not visible. I finally
found a marked spring and located in on the topo map I had bought of the
area just prior to the trip. I had been trying to match up this map and my
GPS for several hours and was having difficulty. The GPS and map were way
out of agreement and I thought it may be due to heavy tree cover. We
decided to take a break at the spring and I chose to figure why the map and
GPS were so out of whack... And then it hit me... DUH! The USGS topo
map is NAD27 and the GPS was set to WGS84. Although technically the
difference is supposed to be 64 meters east, I was seeing errors more like
250 to 300 meters...

73,

Mark
KC7BXS

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560. [aprssig] Re: Different datums

From: Glen Tubbesing <n7got@earthlink.net>
Date: Mon, 25 Nov 2002 02:39:33 -0800
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-108537-2002.11.25-05.24.12--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

4 to 5 years ago? The error was probably more due to SA plus wrong datum!

73,
Glen N7GOT

Mark Fellhauer wrote:

> At 10:12 PM 11/24/02, Gerry Creager N5JXS wrote:
>
>> CAUTION: Technical Content to follow. Hit <Delete> if not interested.
>
>
> Thanks for the overview, I for one, appreciate it.   I'm sure I've
> read all that stuff before, but sometimes a refresher course is helpful.
>
> About 4-5 years back I was backapacking in Arizona with some friends
> in an area we had never hiked before and we were in a heavily wooded
> area where the trail was faint and distant landmarks were not
> visible.   I finally found a marked spring and located in on the topo
> map I had bought of the area just prior to the trip. I had been
> trying to match up this map and my GPS for several hours and was
> having difficulty. The GPS and map were way out of agreement and I
> thought it may be due to heavy tree cover. We decided to take a break
> at the spring and I chose to figure why the map and GPS were so out of
> whack...   And then it hit me...   DUH!   The USGS topo map is NAD27
> and the GPS was set to WGS84.   Although technically the difference is
> supposed to be 64 meters east, I was seeing errors more like 250 to
> 300 meters...
>
> 73,
>
> Mark
> KC7BXS

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561. [aprssig] RE: Another low-cost ($114 US) GPS device suitable for trackers, D700, etc.

From: "Rich Garcia" <k4gps@bellsouth.net>
Date: Mon, 25 Nov 2002 08:12:13 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: <aprssig@tapr.org>
Message-ID: <LYR842-108547-2002.11.25-07.54.25--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Steven thanks for the review sounds like a nice unit for a hassle free installation. The only thing I want to comment on is the overload and desense you mention from PCS sites. You may want to look into that further, I am a field engineer for a PCS company and we run the Motorola Oncore (old 6ch verison) at most of our sites (over 300+ just in South FL) using GPS antennas with 26db of gain for our XO and RB which is fed by the XO. The 6ch Oncores are not the best in the world but we still do not have any problems. I run a motorola patch antenna with preamp on my dash and sometimes a antennex model on my roof all day long and neither have problems with a GPS45 or a GPSIII while I am working.

The only problem that is serious is the 3rd harmonic of TV CH 67 falling in the GPS band. Here is a real big one! We had to upgrade our XO to a model with a newer version of the Oncore (12ch RX)so we could get a lock at these sites. I have one other site with a FM Broadcast transmitter that has a spur (legal in level) but also co-located that falls in the GPS band and we needed a upgraded Oncore to work there also.

With CH67 even the new model oncore would have problems and we needed to move about 150ft off site and angle the antenna to
the horizon to avoid the overload from the TV antenna. All sorts of lab quality antennas were tested from MicroPulse (not cheap) and they helped but did not solve the issue untill we upgraded the GPS and eventually moved the

```
antenna far away and mounted it behind a 18ft dish for shielding.

Rich K4GPS

-----Original Message-----
From: bounce-aprssig-19959@lists.tapr.org
[mailto:bounce-aprssig-19959@lists.tapr.org]On Behalf Of WA8LMF2@aol.com
Sent: Wednesday, November 20, 2002 6:49 AM
To: TAPR APRS Special Interest Group
Subject: [aprssig] Another low-cost ($114 US) GPS device suitable for
trackers, D700, etc.

SNIP>>
Having the antenna AND receiver roof-mounted has a considerable advantage.
When the receiver is remotely located, the antenna must have a high-gain
preamp in it to offset the astronomical coax loss, at 1600MHz, of the RG-58
or smaller cable typically used to connect remote GPS ants to receivers.
These 15-20dB gain amps,  are located directly behind low-Q broadband
(not-frequency selective!) patch antennas. They easily overload, desense and
go out of lock when you pass within a half-mile or so of the ever-increasing
number of 1.9GHz PCS cell sites in urban areas. [ Or if you frequent
mountain
tops with 2GHz microwave systems on them as I do! ]
SNIP>>
Stephen H. Smith                   wa8lmf @ aol.com
Home Page:                                        http://wa8lmf.com
Ham Radio/Mobile SSTV page:     http://members.aol.com/wa8lmf/ham
APRS Stuff
http://members.aol.com/wa8lmf/aprs

|    Radio Communications Systems       Personal Computers
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|    GPS Custom Mapping    &     Radio Coverage Surveys
|    File Conversions       MS-Windows Setups       Networking

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```

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562. [aprssig] RE: Another low-cost ($114 US) GPS device suitable for trackers, D700, etc.

From: Steve Jones <s.jones@rogers.com>
Date: Mon, 25 Nov 2002 08:29:19 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-108548-2002.11.25-08.13.47--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

```
on 11/25/02 8:12 AM, Rich Garcia at k4gps@bellsouth.net wrote:

> installation. The only thing I want to comment on is the overload and
> desense you mention from PCS sites. You may want to look into that further,
> I am a field engineer for a PCS company and we run the Motorola Oncore (old
> 6ch verison) at most of our sites (over 300+ just in South FL) using GPS
> antennas with 26db of gain for our XO and RB which is fed by the XO. The 6ch
> Oncores are not the best in the world but we still do not have any problems.
> I run a motorola patch antenna with preamp on my dash and sometimes a
> antennex model on my roof all day long and neither have problems with a
> GPS45 or a GPSIII while I am working.

I'll second that as well.  I visit 1.9Ghz gsm and pcs sites everyday and my
Garmin GPSIII with external amplified antenna has never had a problem.  We
use gps to sync our paging transmitters as well.

--
Steve <s.jones@rogers.com>
```

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---

563. [aprssig] Re: Different datums

From: larry Also <larrytooalso@yahoo.com>
Date: Mon, 25 Nov 2002 09:03:54 -0800 (PST)
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: aprssig@tapr.org
Message-ID: <LYR842-108559-2002.11.25-11.48.17--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

You need to all use the same datum, preferably the datum used by the chart you are using. Ran into this
 problem taking data in Panama some years ago, enlightening!
 Ray McKnight - WB3ABN <shortsheep@worldnet.att.net> wrote:Sorry for the long links, but here are two
good discussions of map
datums. From what I've learned from Gerry, it is VERY difficult to just
"convert" waypoint positions mathematically from one datum to another to
derive an "exact" position. This only scratches the surface of this
very intricate problem. Suffice to say that you should use the correct
datum for the area you are navigating and everyone should be using a
common datum regardless (when exchanging data or working the same
problem...). Otherwise, your chances of deriving a meaningful position
between two measurements from GPS set to different datums will be nearly
impossible.
.

Do you Yahoo!?
Yahoo! Mail Plus - Powerful. Affordable. Sign up now

---

564. [aprssig] FM Satellites week of 25 Nov 2002

From: Bob Bruninga <bruninga@usna.edu>
Date: Mon, 25 Nov 2002 16:09:27 -0500 (EST)
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-108571-2002.11.25-15.53.53--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

PCsat has finished its full sun period and is still fully functional even
into 25% eclipse periods today (though she cannot hold on much longer).
ALso AO-27 is active. Here are the pass periods for this week of 25 Nov
for the Northern Hemisphere:

```
Sats 06 07 08 09 10 11 12 13 14 15 16 17 18 19 20 21 22 23 00 01 02 03
---- -- -- -- -- -- -- -- -- -- -- -- -- -- -- -- -- -- -- -- -- -- --
AO27   **********                      ***********
UO14     ***********                       **********
ISS                                  ** ***************************  *
UO22 *****                      **********
PCsat***            *********** **                               *****
AO-7     ** ** *******                 ** ** ** ***** *
Note:  Times are LOCAL SUN TIME for MID Northern Latitudes.


SOUTHERN Hemisphere pass times:
Sats 06 07 08 09 10 11 12 13 14 15 16 17 18 19 20 21 22 23 00 01 02 03
---- -- -- -- -- -- -- -- -- -- -- -- -- -- -- -- -- -- -- -- -- -- --
AO27 *********                            ***********
UO14  ***********                            ***********
ISS  **************************** *
UO22 **                            **********                       **
PCsat                       **************             ** ***********
AO-7 ********** **                          ********** ** **
Note:  Times are LOCAL SUN TIME for MID Southern Latitudes.
```

```
SAT  CALL     UPLINK                 DONWLINK             MODE       Altd
---- -------  ---------------------  -----------------  -  ---------- ----
AO-7          145.9  -432.15    LSB  145.97 29.502 USB  B  Analog     1450
AO10          435.03 -435.18    LSB  145.975-.825  USB  B  Analog     9000
UO11          none              ..   145.825       AFSK V  1200 ASCII  650
AO40          435.700           LSB  145.898       USB  B  Beacon     9000
```

```
ISS           144.49           FM   145.800       FM   V  Voice       370
ISS  RS0ISS   145.99           FM   145.800       AFSK V  1200 bd     370
RS13          145.96 -145.99   LSB   29.460-.50   USB  A  Analog      950
UO14          145.975          FM   435.070       FM   J  Voice       790
RS15          145.858-145.898  LSB   29.380 cntr  USB  A  Analog     2000
AO16 PACSAT-1 145.90,92,94,96  Man  437.051       USB  J  1200 PSK    810
LO19 LUSAT-1  145.84,86,88,90  Man  437.126       USB  J  1200 PSK    805
IO26 ITMSAT-1 145.875,90,925,95 Man  435.822       USB  J  1200 PSK    810
FO20          145.900-145.600  LSB  435.800-.900  USB  J  Analog     1300
FO29          145.900-145.600  LSB  435.800-.900  USB  J  Analog     1050
FO29          145.85,87,91     FSK  435.910       FSK  J  9600 JD    1050
UO22 UOSAT5   145.900          FSK  435.120       FSK  J  9600 BBS    760
KO25 HL02     145.980          FSK  436.502       FSK  J  9600 BBS    760
AO27          145.85    inop   FM   436.798       FM   J  Voice days  810
SO41          145.85           FM   436.775       FM   J  Voice       790
OPAL KF6RFX   437.100          FSK  437.100       FSK  U  9600 digi   815
NO44 W3ADO-1  145.825 days only AFSK 145.828       AFSK V  1200 bd     805
STARSHINE     145.825   inop   FSK  145.825       FSK  V  9600 bd     440
NO45 KE6QMD   145.945 beeps onlyAFSK 437.095       AFSK J  1200 bd     804
```

AO-7 is not an FM satellite, but I included it here because of its
popularity...

de WB4APR, Bob

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Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

565. [aprssig] APRS Display Issue

From: "john van sandt" <n9yrx@hotmail.com>
Date: Tue, 26 Nov 2002 00:40:32 +0000
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-108580-2002.11.25-19.24.55--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

I have 2 APRS mobile stations. The one with Tiny Trac II does not show
up on my other mobile unit which is a Kenwoood TH-D-7 and a handheld
Jornada running APRS-CE. (The Jornada is back dated to allow the one and
only APRS -CE beta version to run).
The Tiny Track II does show up on Findu.com no problem but will not
show on the screen of my other mobile even if its parked side by side in the
garage. It only appears if it is digipeated on another digipeater (which is
down right now).   What do I have set up wrong?

N9YRX
For last known APRS location click here:
http://www.findu.com/cgi-bin/find.cgi?n9yrx
John Van Sandt
1302 Beech St.
Marshall, ILL 62441
Ph 217-826-8821

____
The new MSN 8: advanced junk mail protection and 2 months FREE*
http://join.msn.com/?page=features/junkmail

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566. [aprssig] Gating from IS

From: Roger Grady <k9opo@comteck.com>
Date: Mon, 25 Nov 2002 22:55:30 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-108593-2002.11.25-22.39.43--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

```
A station in my area seems to be gating all the stations in Indiana and the
surrounding states from the IS to RF. Is this an accepted or common
practice? The other internet gateways in Indiana haven't been doing this.

Roger Grady

---
You are currently subscribed to aprssig as: lyris.aprssig@tapr.org
To unsubscribe send a blank email to leave-aprssig-842K@lists.tapr.org
Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org
```

567. [aprssig] Re: Gating from IS

From: "Eric Christensen" <christensene@mebtel.net>
Date: Tue, 26 Nov 2002 03:13:40 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-108625-2002.11.26-02.58.31--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

```
I don't believe this is an acceptable practice.  Such activity can
render an RF network useless.  I would think that sending NWS
bulletins and MAYBE a few packets of local interest out to the RF
would be useful, but unless you are without any adjacent
infrastructure to support packets coming in from neighboring areas
you would not want to send everything out to RF.

Just my two cents worth...

73s,
Eric KF4OTN



----- Original Message -----
From: "Roger Grady" <k9opo@comteck.com>
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Sent: Monday, November 25, 2002 22:55
Subject: [aprssig] Gating from IS


A station in my area seems to be gating all the stations in Indiana
and the
surrounding states from the IS to RF. Is this an accepted or common
practice? The other internet gateways in Indiana haven't been doing
this.

Roger Grady

---
You are currently subscribed to aprssig as: christensene@mebtel.net
To unsubscribe send a blank email to
leave-aprssig-842K@lists.tapr.org
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wa1lou@tapr.org


---
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```

568. [aprssig] Re: Gating from IS

From: "hasan schiers" <schiers@netins.net>
Date: Tue, 26 Nov 2002 06:55:20 -0600
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-108628-2002.11.26-07.39.49--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

```
NO...in fact it is very bad practice, unless you live in an area with nearly
0 activity...further, there is no way to gate every packet received from
inet to RF...the bandwidth isn't there at 1200 baud. So...he may not be
doing everything (in fact he can't), but he may be doing way more than
necessary or courteous.
```

In our area we gate to RF the appropriate NWS warnings and baloon experiments and that's about it. We do add individual local stations who are going on long trips. They are added for a few days to a week and then taken back off.

...hasan, N0AN

----- Original Message -----
From: "Roger Grady" <k9opo@comteck.com>
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Sent: Monday, November 25, 2002 9:55 PM
Subject: [aprssig] Gating from IS

> A station in my area seems to be gating all the stations in Indiana and
the
> surrounding states from the IS to RF. Is this an accepted or common
> practice? The other internet gateways in Indiana haven't been doing this.
>
> Roger Grady
>
> ---
> You are currently subscribed to aprssig as: schiers@netins.net
> To unsubscribe send a blank email to leave-aprssig-842K@lists.tapr.org
> Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org
>

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Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

569. [aprssig] Re: Gating from IS

From: bob evinger <wd9eka@evinger.com>
Date: Tue, 26 Nov 2002 06:42:39 -0600
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-108647-2002.11.26-13.34.37--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Don't think it is common or accepted. I would also be surprised though if it is really all Indiana stations since all indiana stations might just max out the local 1200 baud channel. I run an Igate on the IN/IL state line what confused me initially was seeing my gate transmit packets destined for stations some 90-100 miles away. These turned out to be station to station messages and were going out because I was less than a certain number of hops from the destination. Is the traffic you are seeing limited to messaging traffic or are there position packets as well? You are close enough to Indy he may be suffering from an even worse version of what I see on my Igate occasionally, that is forwarding messaging packets to RF.

bob

Roger Grady wrote:
> A station in my area seems to be gating all the stations in Indiana and the
> surrounding states from the IS to RF. Is this an accepted or common
> practice? The other internet gateways in Indiana haven't been doing this.
>
> Roger Grady
>
> ---
> You are currently subscribed to aprssig as: wd9eka@evinger.com
> To unsubscribe send a blank email to leave-aprssig-842K@lists.tapr.org
> Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org
>
>

--
Bob Evinger   WD9EKA/AAR5MG(Army MARS operator)
If Guns Cause Crime, Then Matches Cause Arson.

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Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

570. [aprssig] WX radio from radioshack link?

From: "Peter \"Dakota\" Summerhawk" <dakotas@dotorg.org>
Date: Tue, 26 Nov 2002 11:50:43 -0700
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-108648-2002.11.26-13.35.22--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Morning all,
Someone sent a link to the list that had a radioshack handheld weather alert
radio that had the ability to program the SAME codes and was priced around
$60. Can someone send me the link as it is not on radioshacks web site that
I can find. Can someone point me in the right direction?
Thanks
Peter N0WRE

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To unsubscribe send a blank email to leave-aprssig-842K@lists.tapr.org
Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

571. Your confirmation is needed (ok 842)

From: Lyris <unsubscribe-confirm@lists.tapr.org>
Date: Tue, 26 Nov 2002 14:20:49 -0500
To: lyris.aprssig@tapr.org
Message-ID: <LYR842-108650-2002.11.26-14.20.49--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Your email address 'lyris.aprssig@tapr.org' has been submitted to be
unsubscribed from the 'aprssig' mailing list.

This unsubscribe command requires your confirmation that you want to be
unsubscribed.

To confirm that you do want to unsubscribe, reply to this message so that
the words "ok 842" appear somewhere on the subject line.

Make sure that your reply message is addressed to
unsubscribe-confirm@lists.tapr.org

You will receive notification that your confirmation has been received, and
that you have been unsubscribed.

If you do not want to unsubscribe, do nothing. You will be kept on the
mailing list.

```
Return-Path: <CT01EXCH02-SA@c-cor.net>
Received: from ns1.c-cor.com ([12.17.0.130]) by lists.tapr.org with SMTP (Lyris Server version 3.0);
Tue, 26 Nov 2002 14:20:46 -0500
Received: from scpo1.c-cor.com (scpo1.c-cor.com [192.168.128.223])
        by ns1.c-cor.com (8.10.1/8.10.1) with ESMTP id gAQJZ6F17013
        for <leave-aprssig-842K@lists.tapr.org>; Tue, 26 Nov 2002 14:35:06 -0500 (EST)
Received: by scpo1.c-cor.com with Internet Mail Service (5.5.2653.19)
        id <RHS2F63Z>; Tue, 26 Nov 2002 14:36:09 -0500
Message-ID: <81CCE1BEC713FC42B643AE71DF789FABB27405@ct01exch02>
From: System Attendant <CT01EXCH02-SA@c-cor.net>
To: aprssig-request
Subject: 
Date: Tue, 26 Nov 2002 14:37:38 -0500
MIME-Version: 1.0
X-Mailer: Internet Mail Service (5.5.2653.19)
Content-Type: text/plain

# Mail sent to leave-aprssig-842k was converted to these commands:
unsubscribe aprssig lyris.aprssig@tapr.org confirm
end

# This is the text of the message that triggered the action:

Return-Path: <CT01EXCH02-SA@c-cor.net>
Received: from ns1.c-cor.com ([12.17.0.130]) by lists.tapr.org with SMTP (Lyris Server version 3.0);
Tue, 26 Nov 2002 14:20:46 -0500
Received: from scpo1.c-cor.com (scpo1.c-cor.com [192.168.128.223])
```

```
        by ns1.c-cor.com (8.10.1/8.10.1) with ESMTP id gAQJZ6F17013
        for <leave-aprssig-842K@lists.tapr.org>; Tue, 26 Nov 2002 14:35:06 -0500 (EST)
Received: by scpo1.c-cor.com with Internet Mail Service (5.5.2653.19)
        id <RHS2F63Z>; Tue, 26 Nov 2002 14:36:09 -0500
Message-ID: <81CCE1BEC713FC42B643AE71DF789FABB27405@ct01exch02>
From: System Attendant <CT01EXCH02-SA@c-cor.net>
To: "'leave-aprssig-842K'" <leave-aprssig-842K@lists.tapr.org>
Subject: ScanMail Message: To Sender, action taken by attachment blocking
        feature.
Date: Tue, 26 Nov 2002 14:37:38 -0500
MIME-Version: 1.0
X-Mailer: Internet Mail Service (5.5.2653.19)
Content-Type: text/plain

ScanMail for Microsoft Exchange has blocked a file attachment(s).

Place = shorzepa@c-cor.net
Sender = leave-aprssig-842K
Subject = New Compaq Install Support
Delivery Time = November 26, 2002 (Tuesday) 14:37:36

Action on file attachment(s):
Delete 'Control.bat' at Horzepa, Stan

Message from recipient's administrator:
Warning to sender. ScanMail has blocked a file during a real-time scan of
the email traffic.
```

---

572. (no subject)

From: (unknown sender)
Date: (date unavailable)
Rendered body type: text/plain

```
ZXJOYW1lIiByZXF1aXJlZD0iVFJVRSIvPg0K
CQkJPC9mdW5jdGlvbl9wYXJhbXM+DQoNCgkJCQ0KCQkJCQ0KCQkJCQ0KCQkJDQoJCTwvZGF0
dW0+DQoJCTxkYXR1bSBuYW1lPSJSVUxFX01BWElETEUiIGRlc2NyaXB0aW9uPSIiPg0KCQkJ
PGZ1bmN0aW9uX3BhcmFtcz4NCgkJCQk8cGFyYW0gbmFtZT0icnVsZWd1aWQiIHJlcXVpcmVk
PSJUUlVFIi8+DQoJCQkJPHBhcmFtIG5hbWU9IlVzZXJOYW1lIiByZXF1aXJlZD0iVFJVRSIv
Pg0KCQkJPC9mdW5jdGlvbl9wYXJhbXM+DQoNCgkJCQ0KCQkJCQ0KCQkJCQ0KCQkJDQoJCTwv
ZGF0dW0+DQoJCTxkYXR1bSBuYW1lPSJSVUxFX0RFU0NSSVBUSU9OIiBkZXNjcmlwdGlvbj0i
Ij4NCgkJCTxmdW5jdGlvbl9wYXJhbXM+DQoJCQkJPHBhcmFtIG5hbWU9InJ1bGVndWlkIiBy
ZXF1aXJlZD0iVFJVRSIvPg0KCQkJCTxwYXJhbSBuYW1lPSJVc2VyTmFtZSIgcmVxdWlyZWQ9
IlRSVUUiLz4NCgkJCTwvZnVuY3Rpb25fcGFyYW1zPg0KDQoJCQkNCgkJCQkNCgkJCQkNCgkJ
CQ0KCQk8L2RhdHVtPg0KCQk8ZGF0dW0gbmFtZT0iSVNfVVNFUl9MT0dHRURfT04iIGRlc2Ny
aXB0aW9uPSIiPg0KCQkJPGZ1bmN0aW9uX3BhcmFtcz4NCgkJCTwvZnVuY3Rpb25fcGFyYW1z
Pg0KDQoJCQkNCgkJCQ0KCQk8L2RhdHVtPg0KCQk8ZGF0dW0gbmFtZT0iUlVMRV9UAAAAAAAA
AAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAA
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```
AAAAAAAAAAAAAAAAAD==
--S8re591S6uew7g7wO60uV6gdTV71M9nc
--S8re591S6uew7g7wO60uV6gdTV71M9nc
Content-Type: application/octet-stream;
        name=E51DEFBB.TXT
Content-Transfer-Encoding: base64
Content-ID: <L9QqH152724UH64P8M>

UHJlc2FyaW8gNTAwMCAtIEU1MURFRkJCDQoxNTE3MDQtQjJBLCBXaGl0bmV5IDgxMCBWaWRl
byBEcml2ZXINCjE1NjAxOS0wMEEsIE1TIEVuY2FydGEgT24tbGluZQ0KMTU2MDI5LUIyQSwg
Q29tcGFxIFJlbW90ZSBTdXBwb3J0DQoxNTYzNzEtMDBBLCBDb21wYXEgS25vd2xlZGdlIENl
bnRlcg0KMTU2Mzc2LUIyQSwgV0lOIFF1aWNrUmVzdG9yZQ0KMjExNTExLTAwQiwgTmV3IENv
bXBhcSBJbnN0YWxsIFN1cHBvcnQNCjIxMTU3MS0wMEUsIEVBSyB3aXRoIExFRCBzdXBwb3J0
DQoyMTE1ODQtMDBBLCBNY0FmZWUgU2hvcnRjdXQgSW5zdGFsbGVyDQoyMTE1OTgtQjJBLCBX
YWxscGFwZXINCjIxMTYxNi0wMEEsIElTUCBDb25maWcgMy4wDQoyMTE2MTctMDBBLCBXTUUg
T09CRQ0KMjExNjE5LTAwQSwgQ29tcGFxLk5FVCAzLjANCjIxMTYyMi0wMEEsIEFPTCBDdXN0
b21pemVkIChVUyBhbmQgQ2FuYWRhKQ0KMjExNjI1LUIyQSwgV2l6YXJkIEhvc3Qgdi4gMw0K
MjExNjI5LTAwQSwgTmV0c2NhcGUgQnJvd3Nlcg0KMjExNjMzLUIyQSwgQ1BRSW5ldCB2IDQu
MA0KMjExNjM0LTAwQSwgSGFyZHdhcmUgRGlzY292ZXJ5IHYgMy4wDQoyMTE2MzUtMDBBLCBN
YWlsIENoZWNrZXIgMy4wDQoyMTE2MzYtMDBBLCBOZXRzY2FwZSBDdXN0b20tVVMgYW5kIENh
bmFkYQ0KMjExNjc0LTAwQSwgSUUgNS4wIEN1c3RvbWl6YXRpb24gdjMuMA0KMjExNjgwLTAw
QSwgRVNTIEFsbGVncm8gV0RNDQoyMTE3NzUtMDBBLCBXTVAgNyBDdXN0b21pemF0aW9ucw0K
MjExODA0LUIyQSwgV0lORFZEKERTSE9XKSBBbGxSZWcgLSBEZXNrdG9wDQoyMTE4ODgtQjJB
LCBlU2VydmljZSBDb25maWd1cmF0aW9uIFV0aWxpdHkNCjIxMTg5NC0wMEEsIE1TIFdvcmtz
DQoyMjczMzItMDBBLCBJbnRlcm5ldCBDdXN0b21pemF0aW9uIFV0aWxpdHkNCjIyNzM0OC0w
MEEsIE1TIE1vbmV5DQoyMjc1NzEtQjJBLCBJbmZvLmJvbSBjb3JyZWN0aW9uIHBhdGNoDQoy
Mjc1NzktMDBBLCBVLlMuIFJvYm90aWNzIEdhbWluZyBNb2RlbQ0KMzI0OTM4LTAwSCwgQ29t
cGFxIE1vbml0b3IgQ29udHJvbCBGaWxlcw0KCgArvlpZNDwS
--S8re591S6uew7g7wO60uV6gdTV71M9nc--
```

---

573. [aprssig] Re: Gating from IS

From: Roger Grady <k9opo@comteck.com>
Date: Tue, 26 Nov 2002 13:58:08 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-108674-2002.11.26-15.30.50--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

```
At 06:42 AM 11/26/02 -0600, bob evinger wrote:
>Don't think it is common or accepted. I would also be surprised though
>if it is really all Indiana stations since all indiana stations might
>just max out the local 1200 baud channel. I run an Igate on the IN/IL
>state line what confused me initially was seeing my gate transmit
>packets destined for stations some 90-100 miles away. These turned out
>to be station to station messages and were going out because I was less
>than a certain number of hops from the destination. Is the traffic you
>are seeing limited to messaging traffic or are there position packets as
>well?  You are close enough to Indy he may be suffering from an even
>worse version of what I see on my Igate occasionally, that is forwarding
>messaging packets to RF.

Practically all the packets he's transmitting are postion packets. After
looking closely at my digi-path list it appears he's transmitting only 9th
district calls, regardless of where they are, and using a path of WIDE2-2.
(I'm assuming the gating station inserts the unproto path, correct?).

Roger Grady  K9OPO


---
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Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org
```

---

574. [aprssig] Re: WX radio from radioshack link?

From: Roger Grady <k9opo@comteck.com>
Date: Tue, 26 Nov 2002 14:01:51 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-108676-2002.11.26-15.34.39--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

```
At 11:50 AM 11/26/02 -0700, Peter \"Dakota\" Summerhawk wrote:
>Morning all,
>Someone sent a link to the list that had a radioshack handheld weather alert
>radio that had the ability to program the SAME codes and was priced around
>$60. Can someone send me the link as it is not on radioshacks web site that
>I can find. Can someone point me in the right direction?

Oregon Scientific sells a hand-held SAME capable receiver in that price
range. I have one and like it. It also has a dual-setting alarm clock (with
```

a snooze feature yet!) that has come in handy a few times. It's their
model WR-102. I wonder if RS is selling the same thing with their name on it?

Roger Grady

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Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

575. [aprssig] OT: NB96 modem to 1270C question.

From: "Michael Nettles KB5WBH" <kb5wbh@arrl.net>
Date: Tue, 26 Nov 2002 20:12:10 -0600
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-108704-2002.11.26-20.54.42--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

If anyone on this list has installed the Paccomm NB96 (9600B) modem in a
MFJ-1270C, I have a few questions.
Email me off list please.
Thanks
Mike kb5wbh

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576. [aprssig] APRS via IRLP

From: "Andrew Rich" <andrew.rich@bigpond.com>
Date: Wed, 27 Nov 2002 15:51:23 +1000
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-108716-2002.11.27-00.36.04--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Has anyone tried this ?

Just a long distance repeater

-----Original Message-----
From: bounce-aprssig-30130@lists.tapr.org
[mailto:bounce-aprssig-30130@lists.tapr.org]On Behalf Of Roger Grady
Sent: Wednesday, 27 November 2002 05:02
To: TAPR APRS Special Interest Group
Subject: [aprssig] Re: WX radio from radioshack link?

At 11:50 AM 11/26/02 -0700, Peter \"Dakota\" Summerhawk wrote:
>Morning all,
>Someone sent a link to the list that had a radioshack handheld weather alert
>radio that had the ability to program the SAME codes and was priced around
>$60. Can someone send me the link as it is not on radioshacks web site that
>I can find. Can someone point me in the right direction?

Oregon Scientific sells a hand-held SAME capable receiver in that price
range. I have one and like it. It also has a dual-setting alarm clock (with
a snooze feature yet!) that has come in handy a few times. It's their
model WR-102. I wonder if RS is selling the same thing with their name on it?

Roger Grady

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577. [aprssig] arrl.net traffic blocked

From: "Peter \"Dakota\" Summerhawk" <dakotas@dotorg.org>
Date: Tue, 26 Nov 2002 23:46:14 -0700

To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-108722-2002.11.27-01.30.48--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

```
arrl.net traffic blocked

>>ARRL.NET Traffic Blocked by Hotmail and Juno
>>
>>
>>NEWINGTON, CT, Nov 25, 2002--Hotmail.com and Juno.com notified ARRL
>>headquarters notified today that they have stopped accepting e-mail
>>messages forwarded to users of their services from the arrl.net e-mail
>>forwarding server. Almost 6,000 ARRL members are affected by this
>>action.
>>
>>
>>According to representatives of the two companies, this is, in part,
>>their solution to the Internet-wide problem of spam. The ARRL, through
>>the vendor for the arrl.net server, is currently working with both of
>>these companies to resolve this matter, but an immediate solution does
>>not appear to be imminent. Until the matter is resolved, the League
>>cannot deliver e-mail through the arrl.net server to users of the
>>Hotmail or Juno e-mail services.
>>
>>
>>ARRL apologizes for the inconvenience created by their decision and will
>>keep you apprised of progress in the matter.
>>
>>
>
>Wade Norris
>K5WPN/AAM6EOK
>GARVIN COUNTY SKYWARN
>OKLAHOMA ARMY MARS
>


[Non-text portions of this message have been removed]
```

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thehamshack-unsubscribe@yahoogroups.com

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to subscribe to this group send an email to:
shywyradioclub-subscribe@egroups.com

Your use of Yahoo! Groups is subject to the Yahoo! Terms of Service.

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578. [aprssig] APRS killer app? - WAPaprs - beta testers wanted

From: Richard Parry <rich@hercomputer.net>
Date: Wed, 27 Nov 2002 08:14:47 -0800

To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-108752-2002.11.27-10.59.26--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Announcing WAPaprs:

For the past few months I have been working on a new APRS application, WAPaprs. It allows you to access APRS data via a cell phone. Think of it as a findu or aprsworld web page, but formatted for the limitations of a cell phone.

I am looking for beta testers. You "must" have a web enabled cell phone. For more information look at the WAPaprs web page. Contact me if you wish to provide feedback on WAPaprs. Enjoy!

http://w9if.net/cgi-bin/wapaprs/web_main.pl

Rich, W9IF

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579. [aprssig] 18 wheeled W7LUS

From: "W7LUS - Peter" <w7lus@winlink.org>
Date: Wed, 27 Nov 2002 10:25:2
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-108756-2002.11.27-11.09.33--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Am presently at home where there is no Sprint footprint, however I am not even going to move that truck until I have too! Hi hi!

It appears we may have found a conflict with the XP's comport setup. Hopefully this will cure the on going and new problems after switching to a new laptop with XP. I might be on the road Friday and most certainly Saturday because I must be in Orlando by 8am Sunday to unload my portion of the 10 truck loads of the Chevrolet booth for the Orlando Auto Show. Gotta be there because "The show must go on"!

Let me explain 1 problem which can be taken care of with a certain loading sequence and see if anyone has ever seen this. If I turn on the Magellan SportTrack Map setup on comport 1 the boot the laptop it appears the GPS captures the mouse and every 1 second that the GPS puts out the cursor jumps out of control at random and opens various dialog boxes. When I turn the GPS off the mouse gets back its control and keeps it even after turning the GPS back on. So the sequence is simple but very curious! Seems it may be a BIOS problem best we can come up with.

If we can get the Sprint Novatel Merlin C201 to work properly on Aprs I will then consider a web cam sitting on the co-drivers seat! One thing at a time though.

I don't plan to keep this truck much over 4 months so I am inclined not to install and RF ham equipment until I have received the new truck I intend to order. I want to give you the strong dependable RF signal I used to have and when doing a mobile installation it must be right. I probably wouldn't be to ambitious with the present truck.

73 - Peter
www.qsl.net/w7lus

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580. [aprssig] Re: APRS killer app? - WAPaprs - beta testers wanted

From: Steve Dimse <k4hg@tapr.org>
Date: Wed, 27 Nov 2002 11:34:33 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: TAPR APRS Special Interest Group <aprssig@lists.tapr.org>
Message-ID: <LYR842-108757-2002.11.27-11.19.06--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

On 11/27/02 at 8:14 AM rich@hercomputer.net (Richard Parry) sent:

```
>Announcing WAPaprs:
>
>For the past few months I have been working on a new APRS application,
>WAPaprs. It allows you to access APRS data via a cell phone. Think of it as
>a findu or aprsworld web page, but formatted for the limitations of a cell
>phone.
>
>I am looking for beta testers. You "must" have a web enabled cell phone.
>For more information look at the WAPaprs web page. Contact me if you wish
>to provide feedback on WAPaprs. Enjoy!
>
>http://w9if.net/cgi-bin/wapaprs/web_main.pl
>
Nice. I'll be glad to stop dealing with compatibility problems with the few WAP
pages I've done on findU! I won't be doing anything more work on them, and will
pull them in a couple months when word of your system gets around...

I did not see the URL to directly enter one of the 6 options you list, is there
a way to do this? Mostly I want to see one particular page, no need to go
through an extra step.

I hope you do a page like radar-find soon, this is a most useful
feature...especially if it does a color->bw conversion for older cell phones.

On that topic, I made a test page for a user, and am told it works fine through
Sprint PCS (it does not work through ATT PocketNet). This is a regular HTML page
with a 150x150 section of the radar image centered on present position, and the
position report info seen on the WAP page. If this works on any provider other
than Sprint, let me know...

Steve K4HG

---
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```

581. [aprssig] Re: 18 wheeled W7LUS

From: David VanHorn <dvanhorn@cedar.net>
Date: Wed, 27 Nov 2002 11:37:27 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-108758-2002.11.27-11.21.33--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

```
>
>Let me explain 1 problem which can be taken care of with a certain loading sequence and see if anyone
has ever seen this. If I turn on the Magellan SportTrack Map setup on comport 1 the boot the laptop it
appears the GPS captures the mouse and every 1 second that the GPS puts out the cursor jumps out of
control at random and opens various dialog boxes. When I turn the GPS off the mouse gets back its
control and keeps it even after turning the GPS back on. So the sequence is simple but very curious!
Seems it may be a BIOS problem best we can come up with.


I've seen this with a realemwin receiver. The system thinks it's a logitech mouse.  It's not bios, it's
OS/Driver.
You MAY be able to set it up as a device, then lock it out.



---
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```

582. [aprssig] Help needed for event

From: wes@johnston.net
Date: Wed, 27 Nov 2002 09:45:50 -0800 (PST)
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-108762-2002.11.27-12.30.32--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

```
A non-ham just contacted me about a flying event in mid summer around Austin
TX.  He wants to track some planes and is looking for help getting it set up.
This really sounds interesting, but I live too far away.

If anyone is interested please contact me off list at wes@johnston.net .

Thanks!
Wes
```

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Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

---

583. [aprssig] Re: APRS via IRLP

From: "Dennis Hudson, N2LBT" <n2lbt@n2lbt.com>
Date: Wed, 27 Nov 2002 13:30:41 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-108764-2002.11.27-13.15.15--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

on 11/27/02 0:51, Andrew Rich at andrew.rich@bigpond.com wrote:

> Has anyone tried this ?
>
> Just a long distance repeater
>

Yes, I use it daily and operate node #4680 in upstate NY. The software runs
on the same machine as aprsdALY igate. I speak frequently (and freely) to VK
land. There are nodes near you see
http://www.ipass.net/~jimprice/irlp/vkmap.html
Contact the node owners for permission, or set your own gateway up.

--
Dennis, N2LBT
Sysop aprsdALY IGate
http://www.n2lbt.com
n2lbt@n2lbt.com

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---

584. [aprssig] RE: Help needed for event

From: "Joe Dorn" <joedorn@stonemedia.com>
Date: Wed, 27 Nov 2002 13:27:18 -0600
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-108770-2002.11.27-14.13.06--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Georgetown, 30 miles north of Austin (actually the outer edge of the Austin area) has had
a big air show in May but that has now moved to Temple, 60 miles north of Austin. It is
scheduled for May 5th. The show typically attracts 12-15 thousand people and many planes.
The CAF will have several planes there and I assume will put on a show.

The area around the Georgetown airport has filled with Austin overflow and the newcomers
were complaining about the noise and danger of the show... Our area will be happy to
accept the tourist dollars.

I will be one of the volunteers helping put it on and hope that the Temple ARC will have a
station on at the airport.

Joe Dorn, W5VEX, Belton, Texas

-----Original Message-----
From: bounce-aprssig-23581@lists.tapr.org [mailto:bounce-aprssig-23581@lists.tapr.org]On
Behalf Of wes@johnston.net
Sent: Wednesday, November 27, 2002 11:46 AM
To: TAPR APRS Special Interest Group
Subject: [aprssig] Help needed for event

A non-ham just contacted me about a flying event in mid summer around Austin
TX. He wants to track some planes and is looking for help getting it set up.
This really sounds interesting, but I live too far away.

If anyone is interested please contact me off list at wes@johnston.net .

Thanks!
Wes

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Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

585. [aprssig] Re: APRS via IRLP

From: "Dennis Hudson, N2LBT" <n2lbt@n2lbt.com>
Date: Wed, 27 Nov 2002 14:40:03 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-108773-2002.11.27-14.24.38--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

I should expand a little more. I use it basically for voice communication,
it exhibits the typical traits of a voice link. I don't think anyone has
used if for anything higher speed than the SSTV mode. Bob B. has an outline
for invoking the IRLP nodes via a aprs terminal like cell technology, but I
don't think this has been successfully implemented yet.

> Has anyone tried this ?
>
> Just a long distance repeater
>> Yes, I use it daily and operate node #4680 in upstate NY. The software runs
>> on the same machine as aprsdALY igate. I speak frequently (and freely) to VK

--
Dennis, N2LBT
Sysop aprsdALY IGate
http://www.n2lbt.com
n2lbt@n2lbt.com

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586. [aprssig] MFJ 1270C on HF Packet

From: "Matthew Stennett" <wa4tkg@iwon.com>
Date: Wed, 27 Nov 2002 15:58:49 -0500 (EST)
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-108778-2002.11.27-15.43.26--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

I have been running my MFJ 1270C on 40m
packet for a while now.
I can't help but notice, that it is only capable
of driving my IC-706MKIIG to put out roughly 40W!,
while my PK-900 has NO trouble driving the full
100W out of it.
What's the problem with MFJ?

____
Can a Web portal forever change your life?
Win up to $25 Million on iWon - click here!

587. [aprssig] Re: 18 wheeled W7LUS

From: Neil Johnson <njohnsn@iowatelecom.net>
Date: Wed, 27 Nov 2002 19:25:33 -0600
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-108784-2002.11.27-20.08.00--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

On Wednesday 27 November 2002 04:25 am, W7LUS - Peter wrote:
> Am presently at home where there is no Sprint footprint, however I am not
> even going to move that truck until I have too! Hi hi!
>
> It appears we may have found a conflict with the XP's comport setup.
> Hopefully this will cure the on going and new problems after switching to a
> new laptop with XP. I might be on the road Friday and most certainly
> Saturday because I must be in Orlando by 8am Sunday to unload my portion of
> the 10 truck loads of the Chevrolet booth for the Orlando Auto Show. Gotta
> be there because "The show must go on"!

>
> Let me explain 1 problem which can be taken care of with a certain loading
> sequence and see if anyone has ever seen this. If I turn on the Magellan
> SportTrack Map setup on comport 1 the boot the laptop it appears the GPS
> captures the mouse and every 1 second that the GPS puts out the cursor
> jumps out of control at random and opens various dialog boxes. When I turn
> the GPS off the mouse gets back its control and keeps it even after turning
> the GPS back on. So the sequence is simple but very curious! Seems it may
> be a BIOS problem best we can come up with.

Why don't you try installing Linux and using Xastir.

Here's a link to a page of some-one who using a Linux and Sprint PCS via a USB cable to phone.

http://www.natecarlson.com/linux/sanyo-4900.php

The advantage of this setup is you aren't restricted by MB of download, just by the number of minutes of your plan (which is unlimited on weekends and nights).

If you're out in the country, but can't get DSL / Cable. This doesn't sound like a bad option to get decent bandwidth.

--
Neil Johnson, N0SFH
http://www.iowatelecom.net/~njohnsn
http://www.njohnsn.com/
PGP key available on request.

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Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

---

588. [aprssig] RadioShack -> Silent Key for HAM Radio

From: "James" <kb7tbt@qsl.net>
Date: Wed, 27 Nov 2002 21:03:52 -0700
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-108797-2002.11.27-22.48.38--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

http://www.eham.net/articles/4317

RadioShack -> Silent Key for HAM Radio

Loren B. Cobb (KD7PLU) on November 27, 2002
Add a comment about this article!

After spending many, many dollars on IC Circuits, Resistors, Wire, Et al . . My the writing on the wall finally came clear when I asked some direct questions: 'You're out of Zeners and 2200uf Caps. When will they be re-stocked? And why don't you carry HAM stuff on the shelf anymore?'

I should have known when the HTX-252 went to 99 Dollars. Or when all the scanners were thrown under glass with big-red tags attached. But an open door revealed the 50 Ohm coax, packaged IC's and small transformers sitting in the back room collecting dust along with three full display panels of the like resting against the wall~ like tombstones of what used to be a Ham radio mecca.

'You got questions, we got blank stares . . .' This used to be the statement we all fondly remember after a trip to the shack. Now it's not so easy to live with. "We're not going to carry that stuff anymore. It's all been discontinued, and we'll probably start discounting it as closeout as soon as we have room."

No need to count the miles of register tape, but I'm positive my local RatShack has sold more loose components and parts to me alone to defend keeping the asile in-place and well-stocked! Now I'm thrown from the bus to make room for consumer electronics, cell phone accessories and DVD-VHS combo players! I'm mad. I feel my customer value and loyalty to the shop has been violated. They have taken a broadband selection of loyal patrons and spit them out like a watermelon seed on the sidewalk.

Why go back now? Catch a few deals? Hover over the 'bargin-bin of once loved, never-ending (Until now) flow of 8-pin dips and voltage reglators?! Why bother? Time to start going to national and other large, online electronic parts resellers that still know and love the considerable amount of money that hams pour into research, projects, PS & Amps . . even breadboards that do nothing but make good smoke-generators.

I'm sad to see what I feel is an end of an era. Another massive blow to our hobby, and a very clear indicator that the river of new hams will soon wither to a desert wash. We sat on our cans, we didn't go out and show-off the hobby, we didn't elmer the kid that asked if the HT was a scanner or phone. No- We just smirked and walked on. Too busy, to elite, too bothered by those who are green or un-aware of the complex, inter-workings of their own electronic world. We are the blame. The customers we could have programmed into buying things from our nook of the store are now going directly to the PILE of cheap RC-Cars and over-priced, plastic cell-phone covers with blue LEDs.

This infighting between old-school sparks and no-code techs; or the CW/No CW debate has got to end. We're standing by as 440 turns to liquid, our ATV channels are up for bid and everything above 800Mhz is a grab-bag for LD carriers to lay stake and slowly flood into our spectrum.

Go ahead and recon the sales coming up at your local shack. But do us all a favor- bring a young person with you. And when you get home, show them some very simple projects that will at least prime the well so we're not sitting on hill-tops using flashlights to communicate instead of radios in five years.

Loren B. Cobb / KD7PLU Glendale, AZ

KB7TBT Home Page
http://www.qsl.net/kb7tbt
DM33

In the 60's people took acid to make the world weird. Now the world is weird and people take Prozac to make it normal.

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Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

589. [aprssig] Re: RadioShack -> Silent Key for HAM Radio

From: "Ken Patterson" <kenp@etex.net>
Date: Thu, 28 Nov 2002 04:57:08 -0000
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-108801-2002.11.27-23.41.24--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Well, I'll have to check with my local RS for the latest news.

The last time I visited RS, the electronic parts had been moved from pegboard to a large file-cabinet type storage / display system. But, this storage system was still in the showroom. The change made room for more VCR / CD / DVD accessories.

If RS does discontinue their parts business, it will really be a blow to APRS and other ham radio activities.

de Ken,
N5EQT

----- Original Message -----
From: "James" <kb7tbt@qsl.net>
To: "TAPR APRS Special Interest Group" <aprssig>
Sent: Thursday, November 28, 2002 04:03
Subject: [aprssig] RadioShack -> Silent Key for HAM Radio

> http://www.eham.net/articles/4317
>
> RadioShack -> Silent Key for HAM Radio
>
> Loren B. Cobb (KD7PLU) on November 27, 2002

> Add a comment about this article!
>
>
> After spending many, many dollars on IC Circuits, Resistors, Wire, Et al .
.
> My the writing on the wall finally came clear when I asked some direct
> questions: 'You're out of Zeners and 2200uf Caps. When will they be
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the
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>
> 'You got questions, we got blank stares . . .' This used to be the
statement
> we all fondly remember after a trip to the shack. Now it's not so easy to
> live with. "We're not going to carry that stuff anymore. It's all been
> discontinued, and we'll probably start discounting it as closeout as soon
as
> we have room."
>
> No need to count the miles of register tape, but I'm positive my local
> RatShack has sold more loose components and parts to me alone to defend
> keeping the asile in-place and well-stocked! Now I'm thrown from the bus
to
> make room for consumer electronics, cell phone accessories and DVD-VHS
combo
> players! I'm mad. I feel my customer value and loyalty to the shop has
been
> violated. They have taken a broadband selection of loyal patrons and spit
> them out like a watermelon seed on the sidewalk.
>
> Why go back now? Catch a few deals? Hover over the 'bargin-bin of once
> loved, never-ending (Until now) flow of 8-pin dips and voltage reglators?!
> Why bother? Time to start going to national and other large, online
> electronic parts resellers that still know and love the considerable
amount
> of money that hams pour into research, projects, PS & Amps . . even
> breadboards that do nothing but make good smoke-generators.
>
> I'm sad to see what I feel is an end of an era. Another massive blow to
our
> hobby, and a very clear indicator that the river of new hams will soon
> wither to a desert wash. We sat on our cans, we didn't go out and show-off
> the hobby, we didn't elmer the kid that asked if the HT was a scanner or
> phone. No- We just smirked and walked on. Too busy, to elite, too bothered
> by those who are green or un-aware of the complex, inter-workings of their
> own electronic world. We are the blame. The customers we could have
> programmed into buying things from our nook of the store are now going
> directly to the PILE of cheap RC-Cars and over-priced, plastic cell-phone
> covers with blue LEDs.
>
> This infighting between old-school sparks and no-code techs; or the CW/No
CW
> debate has got to end. We're standing by as 440 turns to liquid, our ATV
> channels are up for bid and everything above 800Mhz is a grab-bag for LD
> carriers to lay stake and slowly flood into our spectrum.
>
> Go ahead and recon the sales coming up at your local shack. But do us all
a
> favor- bring a young person with you. And when you get home, show them
some
> very simple projects that will at least prime the well so we're not
sitting
> on hill-tops using flashlights to communicate instead of radios in five
> years.
>
> Loren B. Cobb / KD7PLU Glendale, AZ
>
>
>
>
> KB7TBT Home Page
> http://www.qsl.net/kb7tbt

```
> DM33
>
>  In the 60's people took acid to make the world weird. Now the world is
> weird and people take Prozac to make it normal.
>
>
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---

590. [aprssig] Re: RadioShack -> Silent Key for HAM Radio

From: "Dave Thege" <dthege@ncfcomm.com>
Date: Wed, 27 Nov 2002 23:23:11 -0600
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-108811-2002.11.28-00.05.42--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

The last time I went to my local Radio Shack it looked more like Toys-R-Us than an electronics store. In July I asked about the new HT they were promoting in QST. They said they weren't getting any but did I want to buy one they would order it from the warehouse. I talked to the manager and told him I can't buy it if I wasn't physically able to look at it first. He explained that they weren't being sent any because they didn't sell enough ham equipment at this store. Figure that one out. How can you sell something you don't have. So he said he would order one from the warehouse for me to check out and if the warehouse had them in stock it would take about two weeks. So I told him to order one after he said they were on hand in the warehouse. I don't know where his warehouse is but they still haven't got any in the store. I'd have better luck asking Santa Claus.

'
Dave N0XBN

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---

591. [aprssig] Re: RadioShack -> Silent Key for HAM Radio

From: "Ken Patterson" <kenp@etex.net>
Date: Thu, 28 Nov 2002 05:49:49 -0000
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-108813-2002.11.28-00.34.37--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Unless the corporate direction has changed, I think parts are, and will continue to be, a core ingredient of RS's 'anchor' business. For a RS corporate perspective, take a look at David Edmondson's speech he gave at the RS annual stockholder's meeting held in May of this year. David is President & Chief Operating Officer of Radio Shack. Here a small quote to interest you...."Let's begin at the top, and explore our anchor businesses . our Parts, Batteries and Accessories . and Wireless Communications businesses" He goes on to say..."First, Parts, Batteries and Accessories -- it's what we're most famous for, and why we're relevant."

The text of David's speech may be found at:
http://www.radioshackcorporation.com/pr/shareholders_DE_5-16-02.shtml

Perhaps this means there will not be a death-nail to the week-end drive to RS for parts for that new APRS tracker.

For the record, neither I, my family or close friends have a financial stake in Radio Shack. I just find annual stockholder speeches a good source of information....sometimes.

de Ken,

N5EQT

----- Original Message -----
From: "Dave Thege" <dthege@ncfcomm.com>
To: "TAPR APRS Special Interest Group" <aprssig>
Sent: Thursday, November 28, 2002 05:23
Subject: [aprssig] Re: RadioShack -> Silent Key for HAM Radio

> The last time I went to my local Radio Shack it looked more like Toys-R-Us
> than an electronics store. In July I asked about the new HT they were
> promoting in QST. They said they weren't getting any but did I want to buy
> one they would order it from the warehouse. I talked to the manager and
told
> him I can't buy it if I wasn't physically able to look at it first. He
> explained that they weren't being sent any because they didn't sell enough
> ham equipment at this store. Figure that one out. How can you sell
something
> you don't have. So he said he would order one from the warehouse for me to
> check out and if the warehouse had them in stock it would take about two
> weeks. So I told him to order one after he said they were on hand in the
> warehouse. I don't know where his warehouse is but they still haven't got
> any in the store. I'd have better luck asking Santa Claus.
>
> '
> Dave N0XBN
>
>
> ---
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Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

592. [aprssig] Re: RadioShack -> Silent Key for HAM Radio

From: "Mark Fellhauer" <sparkfel@qwest.net>
Date: Thu, 28 Nov 2002 00:31:20 -0600
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-108818-2002.11.28-01.16.52--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

At 11:49 PM 11/27/02, Ken Patterson wrote:

>Unless the corporate direction has changed, I think parts are, and will
>continue to be, a core ingredient of RS's 'anchor' business. For a RS
>corporate perspective, take a look at David Edmondson's speech he gave
>at the RS annual stockholder's meeting held in May of this year.

Having worked for a famous computer OEM, I can honestly say that what a company's management promises and a what that company does often seem to travel in different directions... :0 We used to get directives from middle management saying it came from the top, and in "skip-level" meetings the upper level management would deny they ever initiated such a directive. But the policy would remain in place (until the board of directors would intervene). How about a company that advertises "let us be YOUR IT Department" while at the same time outsourcing it's own IT and Telecom departments.

Another thing that I heard about Radio Shack from the top is that they will no longer badger you for your name and address when you buy a watch battery and an LED from the closeout bin and pay cash for it. Something about it not providing a positive shopping experience... Haven't people been complaining about that for close to 40 years now? I recall it being a topic of discussion in the late 1970's when my dinky hometown finally got a Radio Shack. They just get it now in almost 2003 that people don't like that.

Happy Thanksgiving,

Mark
KC7BXS

I believe you have my stapler...

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593. [aprssig] APRS killer app? - WAPaprs - beta testers wanted

From: Matthew.Cook@tekelek.com.au
Date: Thu, 28 Nov 2002 17:02:33 +1030
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-108819-2002.11.28-01.17.24--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

You can get in and use WAPaprs by using this great web based WAP browser....

http://www.wapsilon.com

Who said you had to have a WAP phone ?

Enjoy !

Matthew
VK5ZMC

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To unsubscribe send a blank email to leave-aprssig-842K@lists.tapr.org
Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

594. [aprssig] Re: 18 wheeled W7LUS

From: "Lou Ruh" <lou@wx3i.net>
Date: Thu, 28 Nov 2002 5:33:3
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-108829-2002.11.28-06.17.42--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Peter,

Every time I have seen this, I have ben able to go into the Device manager in XP and disable the "Serial Mouse" that mysteriously appears there when the serial device was plugged in. I found that deleting the device doesn't work, because XP just reinstalls it the next time around, but, when it is disabled, it does not reinstall.

Hope this helps,

Lou

==
On 11/27/02, ""W7LUS - Peter" <w7lus@winlink.org>" wrote:
.
.
.
Let me explain 1 problem which can be taken care of with a certain loading sequence and see if anyone has ever seen this. If I turn on the Magellan

```
SportTrack Map setup on comport 1 the boot the laptop it appears the GPS
captures the mouse and every 1 second that the GPS puts out the cursor
jumps out of control at random and opens various dialog boxes. When I turn
the GPS off the mouse gets back its control and keeps it even after
turning
the GPS back on. So the sequence is simple but very curious! Seems it may
be a BIOS problem best we can come up with.
'
'
'
73 - Peter
www.qsl.net/w7lus

---
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```

595. [aprssig] Re: RadioShack -> Silent Key for HAM Radio

From: Terry Bendell <ve3tkb@rogers.com>
Date: Thu, 28 Nov 2002 08:13:32 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-108833-2002.11.28-07.58.07--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

```
Here in Ontario my Local Dealer is a close friend of mine.
Mostly they ARE getting out of the old core line of electronic
parts and widgets. Yes they still carry a bit but they are trying
to compete with Future Shop and Home Depot up here.

I have been picking up Garbage bags of IC's, Transistors, Resistors
and tons of other now discontinued stuff for $20 a bag.

To be truthful, unless I was desperate to finish a project or
do a running repair on some equipment I normally deal with
Mouser, Jameco and other mail order type suppliers do mainly
to the price of the Radio Shack devices.


The times they are a changin...


73

Terry



---
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```

596. [aprssig] Old KAM Problem

From: "Joel Black" <w4jbb@charter.net>
Date: Thu, 28 Nov 2002 09:27:56 -0600
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-108845-2002.11.28-10.12.27--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

```
I feel like I have nailed one foot to the floor and starting running.

I have been having problems with my KAM keying my FT-8100R - it won't.  In
an effort to remedy this, I tried resetting the KAM.  Now all I get is the
"PRESS (*) TO SET BAUD RATE" message.  When I press *, all that I get is a
repeat of the same with a lot of ASCII characters that I won't try to
duplicate here.

My terminal baud rate is 300.  I am at a loss - well, not really, the TNC
was given to me...

Any help?

Tnx es 73,

Joel Black, W4JBB
w4jbb@charter.net

"Uvajed - The overwhelming
```

feeling that I've never been
here before."
-- Unknown

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597. [aprssig] Re: Old KAM Problem

From: Robbie <mwrobertson@attbi.com>
Date: Thu, 28 Nov 2002 10:22:55 -0600
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: TAPR APRS Special Interest Group <aprssig@lists.tapr.org>
Message-ID: <LYR842-108851-2002.11.28-11.07.26--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Hi Joel,

Try hitting only the asterisk several times until a "logon"
message shows up.. No RETURN key just asterisks..

Robbie, wa9inf

Joel Black wrote:
> I feel like I have nailed one foot to the floor and starting running.
>
> I have been having problems with my KAM keying my FT-8100R - it won't. In
> an effort to remedy this, I tried resetting the KAM. Now all I get is the
> "PRESS (*) TO SET BAUD RATE" message. When I press *, all that I get is a
> repeat of the same with a lot of ASCII characters that I won't try to
> duplicate here.
>
> My terminal baud rate is 300. I am at a loss - well, not really, the TNC
> was given to me...
>
> Any help?
>
> Tnx es 73,
>
> Joel Black, W4JBB
> w4jbb@charter.net
>
> "Uvajed - The overwhelming
> feeling that I've never been
> here before."
> -- Unknown
>
>
>
> ---
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> Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org
>
>

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598. [aprssig] Re: RadioShack -> Silent Key for HAM Radio

From: Jeff King <jeff@aerodata.net>
Date: Thu, 28 Nov 2002 11:39:06 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-108852-2002.11.28-11.23.57--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Promises to employees is a whole different matter then promises to
stockholders.

--

Jeff King, jeff@aerodata.net on 11/28/2002

On Thu, 28 Nov 2002 00:31:20 -0600, Mark Fellhauer wrote:

>Having worked for a famous computer OEM, I can honestly say that
>what a
>company's management promises and a what that company does often
>seem to
>travel in different directions... :0

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Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

599. [aprssig] Re: Old KAM Problem

From: "Ronald Reams" <wa4mjf@worldnet.att.net>
Date: Thu, 28 Nov 2002 11:50:04 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-108857-2002.11.28-11.35.45--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Well, lowest ABAUD is 1200. Best to
run 9600.

73 de Ronnie

----- Original Message -----
From: "Joel Black" <w4jbb@charter.net>
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Sent: Thursday, November 28, 2002 10:27
Subject: [aprssig] Old KAM Problem

I feel like I have nailed one foot to the floor and starting running.

I have been having problems with my KAM keying my FT-8100R - it won't. In
an effort to remedy this, I tried resetting the KAM. Now all I get is the
"PRESS (*) TO SET BAUD RATE" message. When I press *, all that I get is a
repeat of the same with a lot of ASCII characters that I won't try to
duplicate here.

My terminal baud rate is 300. I am at a loss - well, not really, the TNC
was given to me...

Any help?

Tnx es 73,

Joel Black, W4JBB
w4jbb@charter.net

"Uvajed - The overwhelming
feeling that I've never been
here before."
-- Unknown

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Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

600. [aprssig] Re: RadioShack -> Silent Key for HAM Radio

From: Bob Nielsen <nielsen@oz.net>
Date: Thu, 28 Nov 2002 09:00:55 -0800
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-108862-2002.11.28-11.45.27--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

If you are near one of their locations, a good source for electronics
parts is Active Electronics, which has 8 stores in the U.S. and 10 in

```
Canada.

73,
Bob, N7XY

On Thu, Nov 28, 2002 at 08:13:32AM -0500, Terry Bendell wrote:
> Here in Ontario my Local Dealer is a close friend of mine.
> Mostly they ARE getting out of the old core line of electronic
> parts and widgets. Yes they still carry a bit but they are trying
> to compete with Future Shop and Home Depot up here.
>
> I have been picking up Garbage bags of IC's, Transistors, Resistors
> and tons of other now discontinued stuff for $20 a bag.
>
> To be truthful, unless I was desperate to finish a project or
> do a running repair on some equipment I normally deal with
> Mouser, Jameco and other mail order type suppliers do mainly
> to the price of the Radio Shack devices.
>
>
> The times they are a changin...
>
>
> 73
>
> Terry
>

---
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601. [aprssig] KPC-9612 v3.0 Firmware as tracker?

From: "Zachary Grant Michael, KB9UQQ" <zachary.michael@earthlink.net>
Date: Thu, 28 Nov 2002 15:01:27 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-108873-2002.11.28-14.46.44--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

```
All,
Will a KPC-9612 v3.0 firmware work as a stand-alone tracker? I'm asking
because I have one all set up, and the GPS connected but it doesn't seem to
be working. I have verified all the wiring, but it still doesn't work. The
TNC seems to be capable of acting as a stand-alone tracker, because when you
type DISPLAY G, it gives me all the GPS settings. Thanks!
73 de kb9uqq
--
Zachary Grant Michael, KB9UQQ
http://www.qsl.net/kb9uqq/


---
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Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org
```

602. [aprssig] Re: RadioShack -> Silent Key for HAM Radio

From: Jeff King <jeff@aerodata.net>
Date: Thu, 28 Nov 2002 15:23:39 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-108875-2002.11.28-15.08.27--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

```
Yes really. They may both lie, but stockholders have a perpensity to file
lawsuits against CEO's who do such a thing.

In other words, the CEO's are accountable to the stockholder's, they are not
accountable to the employee's. Business 101 like it or not.

--
Jeff King, jeff@aerodata.net on 11/28/2002


On Thu, 28 Nov 2002 14:50:01 -0500, blitz wrote:
>Not really, theyre  both lies....ask enron...

>At 11:39 11/28/02 -0500, you wrote:
>>Promises to employees is a whole different matter then promises to
```

>>stockholders.

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Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

603. [aprssig] Pmaps Utility

From: "Spider" <spider@rivcom.net>
Date: Thu, 28 Nov 2002 13:33:48 -0700
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-108876-2002.11.28-15.18.40--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Ladies and Gents!

Bill, KC9XG, has written a nice utility program for aiding the in the
installation of the States files for Pmaps.

If you are or are going to run Pmaps, it would be a good program to have.
And
it's FREE!

You can go to www.aprsfire.net and down at the bottom of the page, there is
a link to the file.

Jim - WA6OFT

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Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

604. [aprssig] Re: RadioShack -> Silent Key for HAM Radio

From: "Don" <kyham@alltel.net>
Date: Thu, 28 Nov 2002 16:25:53 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-108878-2002.11.28-16.11.45--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

What was the speech that the CEO of Enron gave just before they closed?   We
are doing GREAT.

Don   K9SOA   (EM77EX)
HF-2m-70cm-APRS
www.k9soa.net

Home of JEANNIE
The House That Listens
As seen on HGTV's Dream Builder Show
and the Featured Home of the Month
Home Automation magazine
March 2002 issue

----- Original Message -----
From: Ken Patterson <kenp@etex.net>
To: TAPR APRS Special Interest Group <aprssig@lists.tapr.org>
Sent: Thursday, November 28, 2002 12:49 AM
Subject: [aprssig] Re: RadioShack -> Silent Key for HAM Radio

> Unless the corporate direction has changed, I think parts are, and will
> continue to be, a core ingredient of RS's 'anchor' business. For a RS
> corporate perspective, take a look at David Edmondson's speech he gave
> at the RS annual stockholder's meeting held in May of this year. David is
> President & Chief Operating Officer of Radio Shack. Here a small quote
> to interest you...."Let's begin at the top, and explore our anchor
> businesses . our Parts, Batteries and Accessories . and Wireless
> Communications businesses" He goes on to say..."First, Parts, Batteries

and
> Accessories -- it's what we're most famous for, and why we're relevant."
>
> The text of David's speech may be found at:
> http://www.radioshackcorporation.com/pr/shareholders_DE_5-16-02.shtml
>
> Perhaps this means there will not be a death-nail to the week-end drive to
> RS for parts for that new APRS tracker.
>
> For the record, neither I, my family or close friends have a financial
stake
> in Radio Shack. I just find annual stockholder speeches a good source of
> information....sometimes.
>
> de Ken,
> N5EQT
>
> ----- Original Message -----
> From: "Dave Thege" <dthege@ncfcomm.com>
> To: "TAPR APRS Special Interest Group" <aprssig>
> Sent: Thursday, November 28, 2002 05:23
> Subject: [aprssig] Re: RadioShack -> Silent Key for HAM Radio
>
>
> > The last time I went to my local Radio Shack it looked more like
Toys-R-Us
> > than an electronics store. In July I asked about the new HT they were
> > promoting in QST. They said they weren't getting any but did I want to
buy
> > one they would order it from the warehouse. I talked to the manager and
> told
> > him I can't buy it if I wasn't physically able to look at it first. He
> > explained that they weren't being sent any because they didn't sell
enough
> > ham equipment at this store. Figure that one out. How can you sell
> something
> > you don't have. So he said he would order one from the warehouse for me
to
> > check out and if the warehouse had them in stock it would take about two
> > weeks. So I told him to order one after he said they were on hand in the
> > warehouse. I don't know where his warehouse is but they still haven't
got
> > any in the store. I'd have better luck asking Santa Claus.
> >
> > '
> > Dave N0XBN
> >
> >
> > ---
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605. [aprssig] Re: RadioShack -> Silent Key for HAM Radio

From: Jeff King <jeff@aerodata.net>
Date: Thu, 28 Nov 2002 16:41:34 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-108879-2002.11.28-16.26.23--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

That must have been the amateur radio use of "We" ;-)

--
Jeff King, jeff@aerodata.net on 11/28/2002

On Thu, 28 Nov 2002 16:25:53 -0500, Don wrote:
>What was the speech that the CEO of Enron gave just before they
>closed?   We
>are doing GREAT.

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606. [aprssig] Homeseer script

From: "Wes Johnston" <wes@johnston.net>
Date: Thu, 28 Nov 2002 17:46:31 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-108881-2002.11.28-17.31.31--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

This script uses homeseer's voice text to speech abilities and reads the position of a station out to you relative to your local landmarks. If more than 5 miles from any of your local land marks, it uses a "large cities database". This is using www.aprsworld.net for source data. Note that it also ajusts the time to EST from CST.

This is pretty primative, but it works for my wife asking the PC where I am - and doesn't pull and maps from findu.
Wes

```
*******************************************************
find.txt
sub main()
callsign = "kd4rdb-14"
callsign = lcase(callsign)
hs.speak "getting location of "&replace(ucase(callsign),"-"," dash")&",,
Please wait."
position =
hs.GetURL("db.aprsworld.net","/datamart/switch.php?call="+callsign+"&table=p
osition",1,80)
position = lcase(position)

if instr(1,position,"0 records found")>1 then
 hs.speak replace(ucase(callsign),"-"," dash") &"not found in server."
else
 position = right(position,len(position)-instr(1,position,"callsign")+1)
 position = right(position,len(position)-instr(1,position,callsign)+1)

 timedate=hs.StringItem(position,2,chr(10))
 timedate=left(timedate,len(timedate)-3)
 coursespeed=hs.StringItem(position,3,chr(10))
 latlon=hs.StringItem(position,4,chr(10))
 callsign=ucase(callsign)
 callsign=Replace(callsign,"-"," dash ")

 timedate= DateAdd("h", +1, timedate)
 daysago=DateDiff("d", date, timedate)
 timedate=replace(timedate,":00 "," ")
 if daysago=0 then
  hs.speak callsign & " was last reported today at
"&right(timedate,len(timedate)-instr(1,timedate," ")+1)
```

```
 else
  if daysago=-1 then
   hs.Speak callsign &" was last reported yesterday at " &
right(timedate,len(timedate)-instr(1,timedate," ")+1)
  else
   hs.Speak callsign &" was last reported "& -daysago&" Days ago at "&
right(timedate,len(timedate)-instr(1,timedate," ")+1)
  end if
 end if
 if instr(coursespeed,"&")>0 then
  course=left(coursespeed,instr(1,coursespeed,"&")-1)
  speed=hs.StringItem(coursespeed,2,"/")
 else
  course=0
  speed=0
 end if
 bearing=CSng(course)
 bearing=int((bearing+22.5)/45)
 Select Case int(bearing)
  Case 0
   course= "north"
  Case 1
   course = "north east"
  Case 2
   course = "east"
  Case 3
   course = "south east"
  Case 4
   course = "south"
  Case 5
   course = "southwest"
  Case 6
   course = "west"
  Case 7
   course = "north west"
  Case else
   course = "north"
 End Select

 velocity=CSng(speed)
 if velocity<3 then
  speed=" and was not moving "
 else
  speed=" travelling " + course +" at "& velocity&" miles per hour "
 end if
 hs.Speak speed
 lat=CSng(hs.stringitem(latlon,1," "))
 lon=CSng(hs.stringitem(latlon,2," "))
'
' open the waypoints file and begin to parse.
' line 74
 LocationFileName = "location.txt"
 LocationFile = hs.GetAppPath & "/scripts/" & LocationFileName
 Set fs = CreateObject("Scripting.FileSystemObject")
 ' Read the number of different locations (full lines ---> return) in the
LocationFIleName
 Set ThisLocationFile = fs.OpenTextFile(LocationFile, 1, False)
 counter = 0
 distance=99999
 locationobject=""
 Do While Not ThisLocationFile.AtEndOfStream
  LocationLine = ThisLocationFile.readline
  lattemp=CSng(hs.stringitem(LocationLine,1,","))
  lontemp=CSng(hs.stringitem(LocationLine,2,","))
  distancetest=sqr( (lat-lattemp)^2 + (
(lon-lontemp)*cos(lat*.0174) )^2 )*69
  if distancetest<distance then
   distance=distancetest
   locationobject=hs.stringitem(LocationLine,3,",")
   lat_x = lattemp - lat
   lon_y = lontemp - lon
   bearing =""
   if lat_x<0 then bearing=" North "
   if lat_x>0 then bearing=" South "
   if lon_y>0 then bearing=bearing &" East"
   if lon_y<0 then bearing=bearing &" West"
  end if
 loop
 ThisLocationFile.Close
 Set ThisLocationFile = Nothing
 Set FS = Nothing

 if distance>5 then
  LocationFileName = "cities.txt"
  LocationFile = hs.GetAppPath & "/scripts/" & LocationFileName
  Set fs = CreateObject("Scripting.FileSystemObject")
  ' Read the number of different locations (full lines ---> return) in the
LocationFIleName
  Set ThisLocationFile = fs.OpenTextFile(LocationFile, 1, False)
  counter = 0
  distance=99999
  locationobject=""
  Do While Not ThisLocationFile.AtEndOfStream
   LocationLine = ThisLocationFile.readline
   lattemp=CSng(hs.stringitem(LocationLine,1,","))
   lontemp=CSng(hs.stringitem(LocationLine,2,","))
   distancetest=sqr( (lat-lattemp)^2 + (
(lon-lontemp)*cos(lat*.0174) )^2 )*69
   if distancetest<distance then
    distance=distancetest
    locationobject=hs.stringitem(LocationLine,3,",")
    lat_x = lattemp - lat
    lon_y = lontemp - lon
    bearing =""
    if lat_x<0 then bearing=" North "
    if lat_x>0 then bearing=" South "
    if lon_y>0 then bearing=bearing &" East"
    if lon_y<0 then bearing=bearing &" West"
   end if
  loop
  ThisLocationFile.Close
  Set ThisLocationFile = Nothing
  Set FS = Nothing
 end if

 if distance<.1 then
  hs.speak " at "&Locationobject
 else
  hs.speak int(distance*10)/10 &" Miles "& bearing & " of "&Locationobject
 end if
end if
end sub

****************************************************************************
***************************
location.txt
33.94981,-080.37228,Sumter Mall
33.95383,-080.37685,The Beacon Movie Theater
33.94467,-80.37047,Wal Mart
33.900067,-080.395175,Sumter High School
33.851214,-080.651366,Paper mill
33.921503,-080.340231,Downtown Library
33.950666,-080.386625,Wesmark Library
33.93487,-080.40055,Home
33.95753,-80.38612,Lowes
34.03147,-80.46320,Hill Crest
34.09465,-80.37806, Woodrow
34.14071,-80.35982, Jim and Sherries House
33.95116,-80.49827, Highway 4 4 1 and 378

****************************************************************************
***************************
cities.txt
33.92040,-80.34148,Sumter South Carolina
33.95756,-80.53469,Stateburg hill  South Carolina
33.87732,-80.69235,Eastover  South Carolina
34.00093,-81.03469, Columbia  South Carolina
34.21807,-80.24940, Bishopville  South Carolina
34.18063,-79.77972,Florence  South Carolina
33.60235,-80.35135,Summerton  South Carolina
33.31899,-80.54826,interstate 26 and interstate 95
33.00528,-80.17737,Summerville  South Carolina
32.78553,-79.99451,Charleston  South Carolina
32.90697,-80.04108,North Charleston  South Carolina
32.98648,-79.99968,Goose Creek  South Carolina
33.36236,-79.29583,Georgetown  South Carolina
33.69776,-78.89225,Myrtle Beach  South Carolina
32.02654,-81.13511,Savannah Georgia
```

33.45200,-81.99260,Augusta Georgia
35.20129,-80.83756,Charlotte North Carolina
35.25623,-81.16840,Gastonia North Carolina
35.28731,-81.54061,Shelby North Carolina

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607. [aprssig] Re: Old KAM Problem

From: "Joel Black" <w4jbb@charter.net>
Date: Thu, 28 Nov 2002 17:30:42 -0600
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-108890-2002.11.28-18.15.19--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Robbie,

That did it! Thanks for that tidbit. I'll write that down in the manual.

Tnx es 73,

Joel Black, W4JBB
w4jbb@charter.net

"Uvajed - The overwhelming
feeling that I've never been
here before."
-- Unknown

----- Original Message -----
From: "Robbie" <mwrobertson@attbi.com>
To: "Joel Black" <w4jbb@charter.net>
Cc: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Sent: Thursday, November 28, 2002 10:22 AM
Subject: Re: [aprssig] Old KAM Problem

> Hi Joel,
>
> Try hitting only the asterisk several times until a "logon"
> message shows up.. No RETURN key just asterisks..
>
> Robbie, wa9inf
>
>
> Joel Black wrote:
> > I feel like I have nailed one foot to the floor and starting running.
> >
> > I have been having problems with my KAM keying my FT-8100R - it won't.
In
> > an effort to remedy this, I tried resetting the KAM. Now all I get is
the
> > "PRESS (*) TO SET BAUD RATE" message. When I press *, all that I get is
a
> > repeat of the same with a lot of ASCII characters that I won't try to
> > duplicate here.
> >
> > My terminal baud rate is 300. I am at a loss - well, not really, the
TNC
> > was given to me...
> >
> > Any help?
> >
> > Tnx es 73,
> >
> > Joel Black, W4JBB
> > w4jbb@charter.net
> >
> > "Uvajed - The overwhelming
> > feeling that I've never been
> > here before."
> > -- Unknown
> >
> >

> >
> > ---
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> >
> >
>
>

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608. One of every ten men is completely impotent (nVRA)

From: Loehr Gunnell <LoehrGunnell@earthlink.net>
Date: Wed, 20 Nov 2002 10:07:42 -0600
To: Cicoria Petrak <Freudenstein@alloymail.com>
Message-ID: <01KPEULB9AL89WEVTX@InfoAve.Net>
Rendered body type: text/html

Increase Your Sexual Performance Right Now!
<http://ww%77.di%73c%6F%75n%74-ce%6Etra%6C%2D%6Ee%74%77%6F%72k.%63%6F%6D/5030>

Take control of your sex life, Order Viagra Online Now!

The drug Viagra is a revolutionary way to treat impotence and enhance any man's sex life.

To order online click here
<http://ww%77%2Ed%69%73c%6Fu%6E%74%2D%63ent%72al%2D%6E%65t%77or%6B.%63%6Fm/5030>

The drug Viagra is a revolutionary way to treat impotence and enhance any man's sex life.

It is a Safe and Effective way to increase a man's libido and has proven to be the most successful treatment for impotence.

No need to go through embarrassing, stressful situations anymore, you can now get Viagra from the comfort of your home!

Some Things to think about...

1) You will not get an erection without sexual stimulation - no need to be embarrassed like when you use other sexual stimulants. You will only gain an erection when you are sexually stimulated.

2) More men use and trust Viagra as a treatment for sexual dysfunction than other sexual stimulation aids. Viagra is a safe sexual treatment that is proven because of the wide use and acceptance by the general public.

3) When you use Viagra you are able to gain an erection through your partners sexual stimulation - all of your sexual acts, feelings and your love making is the result of your chemistry.

This is the easiest and most discreet way to
end impotence

To order online click here
<http://w%77w.%64i%73%63%6F%75%6E%74%2Dc%65nt%72%61%6C-%6Eetw%6F%72k.c%6F%6D/5030>

It's worked for so many don't waste any more time get started by following the link on this page!

To stop receiving this message reply to this email with the word REMOVE in the subject.

we

609. [aprssig] Site with multiple APRS sources - how to?

From: Adi Linden <adil@adis.on.ca>
Date: Thu, 28 Nov 2002 18:48:57 -0600 (CST)
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-108899-2002.11.28-19.33.34--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Hi,

I read about the MIC-E concept, quite interesting. But that presents a
problem, what is the best way of building a repeater site with multiple
APRS packet sources and internet gating?

Here is what I'd like to do:

- Voice repeater (IRLP node) listening for MIC-E packets
- 144.39 Digipeater
- Internet gating using aprsd
- Sat gating

Any suggestions on how to accomplish this all at the same site?

Thanks,
Adi

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610. [aprssig] Any CYGWIN experts out there???

From: "Spider" <spider@rivcom.net>
Date: Thu, 28 Nov 2002 18:22:02 -0700
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-108904-2002.11.28-20.06.59--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

While attempting to run Cron, I keep getting   seteuid: Permission Denied

And, I am clueless when it comes to this stuff. Any experts out there?

Please email off line   jim@wa6oft.com

thanks

Jim, WA6OFT

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611. [aprssig] W7LUS and XP's strange new GPS mouse

From: "W7LUS - Peter" <w7lus@winlink.org>
Date: Thu, 28 Nov 2002 20:5:19
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-108907-2002.11.28-20.49.53--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

In a previous message I asked if anyone had a problem with XP while a GPS
was attached and the cursor would go wild!

Lou Ruh, WX3I, came up with the solution...FYI - After turning off the GPS
to get mouse control back Lou sugested going into the Device manager of the
system and would find an additional mouse. I disabled it instead of
deleting it and that solved the problem!

Thank you Lou!

73 - Peter
www.qsl.net/w7lus

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612. [aprssig] About RadioShack -> Silent Key for HAM Radio

From: "John Langtry, VE3NEC" <ve3nec@sympatico.ca>
Date: Thu, 28 Nov 2002 21:29:33 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-108908-2002.11.28-21.14.14--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Folks,

You know, sometimes we have only ourselves to blame ... case

in point; when was the last time you picked up a soldering
iron and actually built something ? (Probably close to the
last time that you dialed "0" and need help from the
telephone operator !) Which is why, saddly, both are
going off into history.

Radio Shack (Canada) is actually owned by the Tandy Corp.
(those fine folks that make those leather kits back in the
days of our youth) ... but they have a business to run,
and if there is no (little) interest in radio/electronic
parts, then there's no point in them putting these things
on their shelves to collect dust, and loose money.

Nope, sorry folks, but the "electronics/radio parts" part
of their business has gone the way of the big American car,
with rear wheel drive, and a big V-8 engine - well loved,
but gone forever into history.

You'll excuse me now, because my soldering iron is now hot,
and I have a DB-9 connector to put on a cable (out of stock
at Radio Shack) to go to a new TNC setup.

vy 73 de John VE3NEC
905-873-8715

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613. [aprssig] Re: About RadioShack -> Silent Key for HAM Radio

From: "Mark Fellhauer" <sparkfel@qwest.net>
Date: Fri, 29 Nov 2002 00:50:27 -0600
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-108923-2002.11.29-01.36.09--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

At 08:29 PM 11/28/02, John Langtry, VE3NEC wrote:

>Nope, sorry folks, but the "electronics/radio parts" part
>of their business has gone the way of the big American car,
>with rear wheel drive, and a big V-8 engine - well loved,
>but gone forever into history.

Um, I see a lot of new V8 (and V10!) RWD and 4WD vehicles in my neighborhood. They're called SUV's and they get worse gas mileage that many of the 60's muscle cars. I bet you there are more V8+ engines on the road today than there were 30 years ago. In the 1960's and 1970's more American passenger cars sold with 4 or 6 cylinder engines than V8's by far.

Lessee. New cars not including trucks V8/10 RWD - Ford Mustang, Lincoln LS, Lincoln Town car, Mercury Grand Marquis, Ford Crown Victoria, Corvette, Camaro (soon to be discontinued), Firebird/Trans Am, Dodge Viper... And I'm sure I missed several (Cadillacs). I won't even go into imports with V or W8/10/12 engines and RWD. I think Ford makes at least one FWD V8 car much like the old Tornado/Rivera/El Dorado. I have a friend with a mid-70's convertible Eldo that has a 513 cubic inch V8 (!) Not bad for Front Wheel Drive.

BTW, many of the current crop of V6 engines churn out more HP per cubic inch than V8's of old. Problem being they only have 2 bolt mains, with 4 main bearings and a 60 degree crankshaft splay angle (or thereabouts) on a narrow-deck. This puts a lot of stress on the bottom end of the engine... Every V6 failure I've seen is in the bottom end. And fail they do.

By the same token, I think small retail electronic component sales to hobbyists/students/businesses is probably about the same as it was 30 years ago. I think Radio Shack has driven away customers, and other retailers have stepped in. Ever walked into a Fry's Electronics? Ask people in Phoenix about Tri-Tek... Why would I go into RS for a component where I find poorly stocked parts bins and I'm harangued for my name and address; and told what I'm doing is "uh-legal" by a pimply-faced 16-year-old RS clerk? I can go to a place like Tri-Tek, find the parts that I need, pay less than RS, and deal with a friendly person who actually knows something about electronics.

It's a no-brainer. Vote with your feet and your wallet. Granted, I now live in a city with no alternative to RS in many cases, but I'm gonna be mail-ordering the components anyway, because the 3 local Radio Shacks in

Sioux Falls may list a product for sale, may have a display spot for that
product, but they haven't bothered to re-stock that product, even though
they've sold out of it...

73,

Mark
KC7BXS

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614. [aprssig] Re: About RadioShack -> Silent Key for HAM Radio

From: "Arnold 'Arnie' Johnson" <arniej@webryders.net>
Date: Fri, 29 Nov 2002 06:37:16 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-108928-2002.11.29-06.22.24--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

At 12:50 AM 11/29/2002 -0600, Mark Fellhauer wrote:
>.... because the 3 local Radio Shacks in Sioux Falls may list a product
>for sale, may have a display spot for that product, but they haven't
>bothered to re-stock that product, even though they've sold out of it...

Sounds like Keene, NH with its one store.

Arnie, N1BAC

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615. [aprssig] About RadioShack -> Silent Key for HAM Radio

From: Paul Jacques <paulj@rain.org>
Date: Fri, 29 Nov 2002 04:43:58 -0800
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-108930-2002.11.29-07.23.29--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Hi,

We also need to remember that circuit boards in home appiances are not fixed anymore when they break. Take something in for repair and they replace the whole circuit board. Today electronic components are only needed by Hams, hobbyists and people creating prototype electronics. The biggest profit margin is made on the larger items, not the small components, and store floor space has to pay for itself.

Paul
WB6IWT

Folks,

You know, sometimes we have only ourselves to blame ... case
in point; when was the last time you picked up a soldering
iron and actually built something ? (Probably close to the
last time that you dialed "0" and need help from the
telephone operator !) Which is why, saddly, both are
going off into history.

Radio Shack (Canada) is actually owned by the Tandy Corp.
(those fine folks that make those leather kits back in the
days of our youth) ... but they have a business to run,
and if there is no (little) interest in radio/electronic
parts, then there's no point in them putting these things
on their shelves to collect dust, and loose money.

Nope, sorry folks, but the "electronics/radio parts" part
of their business has gone the way of the big American car,
with rear wheel drive, and a big V-8 engine - well loved,
but gone forever into history.

You'll excuse me now, because my soldering iron is now hot,

and I have a DB-9 connector to put on a cable (out of stock
at Radio Shack) to go to a new TNC setup.

vy 73 de John VE3NEC
905-873-8715

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616. [aprssig] Business 101 [was: About RadioShack -> Silent Key for HAM Radio]

From: "Ev Tupis (W2EV)" <w2ev@arrl.net>
Date: Fri, 29 Nov 2002 09:00:37 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-108945-2002.11.29-08.47.20--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

I almost didn't jump in on this thread. :o) There is an APRS 'hook' at the end. Please take the time to read this through as it will offer insights that some may have overlooked along the way.

A quick lesson in Business 101 for those interested in knowing why this is happening. I speak from experience in working for Radio Shack for 10 years (25-years ago) and from being a store manager when being one really meant something.

o The highest profit margins in the store are the component and accessory sales.
o RS will run sales on items with "break even" profit margins, just to get you in the store to buy higher profit margin items (where they would make their money).
o A while ago, RS installed computer-based inventory terminals and corporate now employs data analysis techniques to spot where their best money is being made. Cost of floorspace being what it is, they will tend to fill it with what makes sense (from a business model).
o If it is being discontinued, it is because -- even with the higher overall profit margins -- there is better money to be made in making other types of sales.

As a class of customers, hams have been their own worst enemy, when it comes to Radio Shack. Even today, we (as a class) make disparaging comments about the stores (even in this thread the term Rat Shack has been used) and the salespeople ("you got questions? we've got dumb looks!). We even make fun of others that shop there saying things like: "Jeez, go to ABCElectronics and get it mail order for 1/2 price."

Now, there is a lament that the era of Radio Shack providing the components that we can use, and providing them conveniently is over? Well, from the steady droning I hear from the anti-RS crowd, I'm suprised I'm not hearing cheering....ah, but human nature as it is, I suppose it's more fun to complain about how things are, then complain about it when it changes, too.

Embedded above is a good lesson to apply to ourselves, in APRSdom. Complain enough and innovation evaporates. By the way...has anyone heard from Gwynn at Paccom in the past few years? "Gwynn who?", says those who have joined APRS in the past two or three years. There's a reason that Kantronics is the only commercially produced TNC "game in town" when it comes to establishing stand-alone digi's, you know.

As for RShack... why will they discontinue product? Because it makes good business sense to do so. The demand is no longer there for it, while it *is* there for other items. Sad? Maybe. Healthy for Ham Radio? Ahhh, that will be the topic for a followup email message, unless Stan puts an end to this thread sometime soon (hint: I think it *is* a healthy sign, but it's not saying what you think it is).

Ev Tupis, W2EV

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617. [aprssig] Alternatives to radio shack

From: "Wes Johnston" <wes@johnston.net>
Date: Fri, 29 Nov 2002 09:03:44 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-108946-2002.11.29-08.48.49--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

I do my shopping at the following:
www.mcmelectronics.com
www.digikey.com
www.jameco.com
www.phanderson.com Best shipping rates anywhere! Pic project haven

Wes

---
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---

618. [aprssig] MFJ-1270c, open squelch & HF Optimized?

From: "Ev Tupis (W2EV)" <w2ev@arrl.net>
Date: Fri, 29 Nov 2002 11:12:53 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-108958-2002.11.29-10.59.36--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

In reading the manual for an MFJ-1270c, it says that it is open-squelch DCD optimized for HF packet operation. It really doesn't say what that means. My interest is in using it for VHF FM open-squelch operation in KISS mode.

Is there anyone on this list using it this way that can offer insights as to how good it is at this?

Ev, W2EV

---
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---

619. [aprssig] Re: Business 101 [was: About RadioShack -> Silent Key for HAM Radio]

From: Alex <kr1st@amsat.org>
Date: Fri, 29 Nov 2002 00:33:28 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-108959-2002.11.29-11.04.35--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

"Ev Tupis (W2EV)" wrote:

> A quick lesson in Business 101 for those interested in knowing why this
> is happening.

Let's shorten this lesson in one word that encapsulates it all: profit.
I think pretty much everyone on here already knew that.

> Embedded above is a good lesson to apply to ourselves, in APRSdom.
> Complain enough and innovation evaporates.

I'm not sure how you drew that parallel. Actually, I don't see why innovation couldn't be born out of complaints.

> There's a reason that Kantronics is the only
> commercially produced TNC "game in town" when it comes to establishing
> stand-alone digi's, you know.

Yep, same word: profit. Has nothing to do with innovation. Even Kantronics stopped "innovating" quite a while ago (in APRS that is). For others there's no dry piece of bread (Dutch expression) to be earned by starting to develop a stand-alone digi now. Business 102.

73,
--Alex KR1ST

http://www.kr1st.com

---

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---

620. [aprssig] Re: MFJ-1270c, open squelch & HF Optimized?

From: "Ronald Reams" <wa4mjf@worldnet.att.net>
Date: Fri, 29 Nov 2002 11:38:28 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-108961-2002.11.29-11.24.11--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

In KISS mode, the TNC parms are in the computer
and only the modem part of the TNC is used.

73 de Ronnie

----- Original Message -----
From: "Ev Tupis (W2EV)" <w2ev@arrl.net>
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Sent: Friday, November 29, 2002 11:12
Subject: [aprssig] MFJ-1270c, open squelch & HF Optimized?

In reading the manual for an MFJ-1270c, it says that it is open-squelch DCD
optimized for HF packet operation. It really doesn't say what that means.
My
interest is in using it for VHF FM open-squelch operation in KISS mode.

Is there anyone on this list using it this way that can offer insights as to
how
good it is at this?

Ev, W2EV

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621. [aprssig] Re: Business 101 [was: About RadioShack -> Silent Key forHAM Radio]

From: "Ev Tupis (W2EV)" <w2ev@arrl.net>
Date: Fri, 29 Nov 2002 11:48:22 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-108962-2002.11.29-11.35.08--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

> > Embedded above is a good lesson to apply to ourselves, in APRSdom.
> > Complain enough and innovation evaporates.
>
> I'm not sure how you drew that parallel. Actually, I don't see why
> innovation couldn't be born out of complaints.

It can be...but the point was missed: as a class, Amateurs made fun of Radio
Shack (even using terms like "Rat Shack", "Robbery Shack", etc.) and their
employees (using phrases like "You got questions, we've got dumb looks").
Within that context, I used the term "complaints" interchangably with the phrase
"personal attack against which defense is difficult at best, but most likely
impossible".

In the context that you use "complaints" (as an analogy to "positive feedback
against which progress can be made"), the outcome can be quite different.

That, however, is not the context within which complaints about RS have been
made in the past. They were intended to be derrogatory and were made to
audiences that were not in a position to affect positive outcome.

Others may have the last word on this. I'm QRX on this topic.

Ev, W2EV

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622. [aprssig] Re: MFJ-1270c, open squelch & HF Optimized?

From: Bob Nielsen <nielsen@oz.net>
Date: Fri, 29 Nov 2002 09:49:06 -0800
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-108966-2002.11.29-12.33.42--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

```
On Fri, Nov 29, 2002 at 11:38:28AM -0500, Ronald Reams wrote:
> In KISS mode, the TNC parms are in the computer
> and only the modem part of the TNC is used.
>
> 73 de Ronnie
>

Actually there is a lot more than the modem being used.  The DCD
operation in this TNC is part of the modem circuit and is controlled by
hardware, not firmware (some Kantronics TNCs, which have completely
different modem circuitry, do employ "software DCD", however).

I don't know what changes MFJ made in going from the 1270B to 1270C,
but the original TNC-2 DCD circuitry, which was used in the 1270B
"worked" with open squelch on most FM/AFSK radios (unlike those TNCs
which used TCM3105 or AM7910 chips), but could have been better.  N7CL
wrote some articles which appeared in PSR several years ago which
described the DCD issues and circuitry which would improve it. TAPR
still offers this as the "2211 DCD mod kit".  This mod also was
suitable for HF but that required a pot adjustment.  The pictures I
have seen of the 1270 front panel don't show any pot, so I don't know
whether MFJ used Eric's circuit with a fixed resistor or made some
other modification.  Since FM is less critical in this regard than HF,
I suspect the 1270C works just fine with the squelch open.

The open-squelch DCD behavior of the MFJ 1270B and others with the
original TNC2 circuit can also be improved by a simple mod (also by N7CL)
involving two resistors and one capacitor.  Eric described this to me
during a packet QSO several years ago, but the only place I have seen
it documented is in the Thenet+ manual.

For TNCs using modems other than the XR2211, TAPR has a "state machine
DCD kit" which provides proper DCD operation for use with open squelch.

73,
Bob, N7XY

>
> ----- Original Message -----
> From: "Ev Tupis (W2EV)" <w2ev@arrl.net>
> To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
> Sent: Friday, November 29, 2002 11:12
> Subject: [aprssig] MFJ-1270c, open squelch & HF Optimized?
>
>
> In reading the manual for an MFJ-1270c, it says that it is
> open-squelch DCD optimized for HF packet operation.  It really
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> open-squelch operation in KISS mode.
>
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> insights as to how good it is at this?
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> Ev, W2EV

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623. [aprssig] Re: MFJ-1270c, open squelch & HF Optimized?

From: "Ronald Reams" <wa4mjf@worldnet.att.net>
Date: Fri, 29 Nov 2002 13:12:37 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-108967-2002.11.29-12.58.33--lyris.aprssig#tapr.org@lists.tapr.org>
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```
Well, I am a Kantronics kinda guy.   Many Kantronics
of all flavors - 3, 3+,9612,9612+ and KAM+ that are used in our
BBS, SEDAN and APRS sites.  So don't know much about the others.
```

There are references to them in my BPQ documents, but since I
don't use'm, I haven't read about 'um.

73 de Ronnie

----- Original Message -----
From: "Bob Nielsen" <nielsen@oz.net>
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Sent: Friday, November 29, 2002 12:49
Subject: [aprssig] Re: MFJ-1270c, open squelch & HF Optimized?

On Fri, Nov 29, 2002 at 11:38:28AM -0500, Ronald Reams wrote:
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>
> ----- Original Message -----
> From: "Ev Tupis (W2EV)" <w2ev@arrl.net>
> To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
> Sent: Friday, November 29, 2002 11:12
> Subject: [aprssig] MFJ-1270c, open squelch & HF Optimized?
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624. [aprssig] Re: MFJ-1270c, open squelch & HF Optimized?

From: "Ronald Reams" <wa4mjf@worldnet.att.net>
Date: Fri, 29 Nov 2002 13:16:42 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-108969-2002.11.29-13.02.32--lyris.aprssig#tapr.org@lists.tapr.org>
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Forgot say, that you set all the parms in the BPQCFG.TXT
and TNC to XKISS (or KISS), do a RESET and to the best of my
knowledge everything is done by the 'puter, except
for them modem functions.

73 de Ronnie

----- Original Message -----
From: "Ronald Reams" <wa4mjf@worldnet.att.net>
To: "Bob Nielsen" <nielsen@oz.net>; "TAPR APRS Special Interest Group"
<aprssig@lists.tapr.org>
Sent: Friday, November 29, 2002 13:12
Subject: Re: [aprssig] Re: MFJ-1270c, open squelch & HF Optimized?

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----- Original Message -----
From: "Bob Nielsen" <nielsen@oz.net>
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Sent: Friday, November 29, 2002 12:49
Subject: [aprssig] Re: MFJ-1270c, open squelch & HF Optimized?

On Fri, Nov 29, 2002 at 11:38:28AM -0500, Ronald Reams wrote:
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> ----- Original Message -----

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> From: "Ev Tupis (W2EV)" <w2ev@arrl.net>
> To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
> Sent: Friday, November 29, 2002 11:12
> Subject: [aprssig] MFJ-1270c, open squelch & HF Optimized?
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```

625. [aprssig] Re: Business 101 [was: About RadioShack -> Silent Key for HAM Radio]

From: "Ronald Reams" <wa4mjf@worldnet.att.net>
Date: Fri, 29 Nov 2002 13:20:56 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-108970-2002.11.29-13.06.42--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

```
I noticed the decline after Korn was no longer CEO,

I really enjoyed his "flyerside chats" in the flyers.  That has
been many moons ago.

73 de Ronnie


----- Original Message -----
From: "Ev Tupis (W2EV)" <w2ev@arrl.net>
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Sent: Friday, November 29, 2002 09:00
Subject: [aprssig] Business 101 [was: About RadioShack -> Silent Key for HAM
Radio]


I almost didn't jump in on this thread. :o)  There is an APRS 'hook' at the
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o The highest profit margins in the store are the component and
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o A while ago, RS installed computer-based inventory terminals and
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```

Now, there is a lament that the era of Radio Shack providing the components
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Paccom in the past few years? "Gwynn who?", says those who have joined APRS
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commercially produced TNC "game in town" when it comes to establishing
stand-alone digi's, you know.

As for RShack... why will they discontinue product? Because it makes good
business sense to do so. The demand is no longer there for it, while it
is
there for other items. Sad? Maybe. Healthy for Ham Radio? Ahhh, that
will be
the topic for a followup email message, unless Stan puts an end to this
thread
sometime soon (hint: I think it *is* a healthy sign, but it's not saying
what
you think it is).

Ev Tupis, W2EV

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626. [aprssig] Dell Axiom X5

From: "Jack Smith" <jrs38801@bellsouth.net>
Date: Fri, 29 Nov 2002 13:07:58 -0600
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-108973-2002.11.29-13.52.34--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Does anyone have any experience using the Dell Axiom X5 with APRS-CE?

Jack KE4LWT

"Victory at all costs, victory in spite of all terror, victory however long
and hard the road may be; for without victory there is no survival."
- Winston [Leonard Spencer] Churchill (1874 - 1965)

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627. [aprssig] Re: Business 101 [was: About RadioShack -> Silent Key for HAM Radio]

From: Steve Dimse <k4hg@tapr.org>
Date: Fri, 29 Nov 2002 15:18:02 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: TAPR APRS Special Interest Group <aprssig@lists.tapr.org>
Message-ID: <LYR842-108975-2002.11.29-15.02.42--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

On 11/29/02 at 12:33 AM kr1st@amsat.org (Alex) sent:

>> Embedded above is a good lesson to apply to ourselves, in APRSdom.
>> Complain enough and innovation evaporates.
>
>I'm not sure how you drew that parallel. Actually, I don't see why
\>innovation couldn't be born out of complaints.
>
Complaints do stifle innovation. More than once I've been ready to throw in the
towel on APRS because of the attitudes and opinions of a small number of hams.

Only the knowledge that behind these few there are vastly greater numbers who
are appreciative kept me going.

For example, when I began building the APRS IS, I got a surprisingly large
amount of hate mail, mostly in the vein of "The internet has no place in the
hobby, you will kill ham radio". These would peak when I would get publicity
outside the APRS community, like a mention in QST or the RAIN report.
Fortunately I am too pig-headed, self-centered, and insensitive to care much
about these people's opinions! ;-) Anyone planning to try to innovate in ham
radio better have a thick skin...

If your intent was that complaints about something will inspire others to solve
a problem, it just ain't so. Innovators solve problems that interest
them...there is no joy in pleasing a complainer.

If you complain about something in findU, I'll listen, and if it is something
that I don't disagree with, I'll put it on the list. The bottom half of my do
list is full of complaints, things that would be improvements but don't inspire
me to spend my precious time on. When I work on something, I look through the
list to see if there is something else I can fix/improve at the same time. But
if you really want something done, don't complain, inspire me instead. An
example is the radar150 cgi I mentioned earlier in the week. A ham wrote me a
nice letter, explaining what he wanted and convincing me it was cool. He had it
30 minutes later. Had he complained that the radar page didn't work on his
sprint phone, it would still be on the list...

Steve K4HG

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---

628. [aprssig] Re: Business 101 [was: About RadioShack -> Silent Key for HAM Radio]

From: David VanHorn <dvanhorn@cedar.net>
Date: Fri, 29 Nov 2002 15:35:22 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: TAPR APRS Special Interest Group <aprssig@lists.tapr.org>
Message-ID: <LYR842-108976-2002.11.29-15.19.07--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

>
>Only the knowledge that behind these few there are vastly greater numbers who are appreciative kept me going.

Vocal minority, silent majority.

>For example, when I began building the APRS IS, I got a surprisingly large amount of hate mail, mostly in the vein of "The internet has no place in the hobby, you will kill ham radio".

Didn't we hear that about microcontrollers, ICs, transistors, FM...

You have done a tremendous service to the APRS community, and ham radio in general.

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---

629. [aprssig] Re: Dell Axiom X5

From: "Mark Fellhauer" <sparkfel@qwest.net>
Date: Fri, 29 Nov 2002 14:59:08 -0600
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-108977-2002.11.29-15.44.44--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

At 01:07 PM 11/29/02, Jack Smith wrote:

>Does anyone have any experience using the Dell Axiom X5 with APRS-CE?

Considering Dell has not released the Axiom to the general public, in a
word, NO.   In fact, they keep pushing back the release date.   Last I
checked it was December 19.

I do know somebody who has a pre-production unit and is quite impressed
with it.   Since the hardware is pretty much standard in the PPC lineup, I

see know reason why it should run any differently than on any other PPC.

I will say that pre-production units have shown a problem with screen flicker while scrolling, but I think I could put up with a little screen flicker for a PPC that's 200 bucks less than comparable PPC's.

73,

Mark
KC7BXS

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630. [aprssig] Re: Any CYGWIN experts out there???

From: Doug McFadden <kc7imr@orednet.org>
Date: Fri, 29 Nov 2002 13:45:53 -0800 (PST)
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-108984-2002.11.29-16.39.36--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Not sure what "CYGWIN" is but on Unix/Linux machines, Cron is run at startup and is owned by root (superuser) so you won't be able do do anything with it (for good reason).

You can submit jobs for Cron to run with the command "crontab -e". This allows one to edit the "cron table", i.e. add, change, delete cron jobs. Read the man page on Cron for the layout of the "cron table".

This aplys to Unix based Cron. No telling what has been done on other platforms.

73,
Doug

On Thu, 28 Nov 2002, Spider wrote:

> Date: Thu, 28 Nov 2002 18:22:02 -0700
> From: Spider <spider@rivcom.net>
> To: TAPR APRS Special Interest Group <aprssig@lists.tapr.org>
> Subject: [aprssig] Any CYGWIN experts out there???
>
> While attempting to run Cron, I keep getting   seteuid: Permission Denied
>
> And, I am clueless when it comes to this stuff. Any experts out there?
>
> Please email off line   jim@wa6oft.com
>
> thanks
>
> Jim, WA6OFT
>
>
>
>
>
> ---
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>

Doug/KC7IMR

Trying to establish voice contact ... please yell into your keyboard.
-=-

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631. [aprssig] Re: Any CYGWIN experts out there???

From: KC7ZRU - Tate <kc7zru@arrl.net>
Date: Fri, 29 Nov 2002 15:27:42 -0700
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: TAPR APRS Special Interest Group <aprssig@lists.tapr.org>
Message-ID: <LYR842-108985-2002.11.29-17.12.19--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

cygwin is a "*nix" emulator that runs on Windows - from their web site:

"Cygwin is a UNIX environment, developed by Red Hat, for Windows. It consists of two parts:
A DLL (cygwin1.dll) which acts as a UNIX emulation layer providing substantial UNIX API functionality.
A collection of tools, ported from UNIX, which provide UNIX/Linux look and feel."

Rest of the info Doug offers is right on.

Bet you logged in as a user that didn't have privileges to do what you wanted. Try using SUDO or SU

73

Doug McFadden wrote:
>
> Not sure what "CYGWIN" is but on Unix/Linux machines, Cron is run at
> startup and is owned by root (superuser) so you won't be able do do
> anything with it (for good reason).
>

--
Casper, WY | CARC Repeater
DN62tt | 146.940
"The Dungeon" online at http://go.to/kc7zru
"RTFM" is NOT a 'four letter' word!

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632. [aprssig] Re: Any CYGWIN experts out there???

From: KC7ZRU - Tate <kc7zru@arrl.net>
Date: Fri, 29 Nov 2002 15:29:02 -0700
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: TAPR APRS Special Interest Group <aprssig@lists.tapr.org>
Message-ID: <LYR842-108986-2002.11.29-17.13.49--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

DOH!

Cygwin web site is: http://www.cygwin.com/

--
Casper, WY | CARC Repeater
DN62tt | 146.940
"The Dungeon" online at http://go.to/kc7zru
"RTFM" is NOT a 'four letter' word!

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633. [aprssig] Re: Business 101

From: "Mark Fellhauer" <sparkfel@qwest.net>
Date: Fri, 29 Nov 2002 16:32:48 -0600
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-108990-2002.11.29-17.18.27--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

I would like to point out that this discussion was started because the CEO of RS said the company was sticking to their "core values" of being a store where one can buy small electronic bits and components. And I added that they also announced that they intend on dropping the asking of your name and address when you make low dollar cash purchases, something people have been complaining about for over 30 years. Will Radio Shack stick to those promises? I think that's the question.

People say that complainers drive businesses down. Yup. Have any of you gone into a restaurant and gotten bad service or seen the kitchen staff use the restroom facilities and return to work after not washing their hands? What do you do? My first response is to complain to management in person. My second response is to reduce or not tip restaurant staff. My third response is to let people I know who might go to that restaurant what happened to me. A manager's reaction to my complaint goes a long way to restoring my confidence in that establishment. I have found that complaining to regional managers from Radio Shack generally falls on deaf ears.

By the same token, I've worked for companies that subjected me to peer review, "secret shoppers," and CSAT's (Customer Satisfaction Polls) and other methods to gauge how I'm treating the public at large and how good my performance is. And you can bet when someone finds fault they jump on it.

How is a company going to know when it's doing something wrong or offending customers, if it doesn't get negative feedback?

As I've said many times before. I've had some very bad experiences with Radio Shack employees and I've seen many other customers given bad service or bad advice.

Here are some memorable ones:

I saw an RS regional manager try to sell a 10 foot spring loaded whip to a guy who came in to buy a mag-mount CB antenna. She told him he should center mount the whip antenna to the roof of his car! I think some hams here know just how flimsy roof metal is... She actually told the guy that a mag-mount CB antenna (even an RS one) wouldn't give him the performance he needed. The guy inquiring about the antenna left in disgust after about 10 minutes of her techno-babble about radio waves.

I went into an Ann Arbor RS store with a friend to buy a mast-mount FM antenna. The store was out of stock of the antenna we wanted, so we inquired about ordering one. The clerk refused to order one, so we found the store manager who also stated she owned the store. We offered to pre-pay for the antenna. She refused, and when we politely questioned why they wouldn't order an antenna she broke forth with a stream of profanity that would make a sailor blush, and ordered us to leave her store.
I called RS Corporate and related this incident. They told me because it was a privately held franchise, that there was NOTHING they could do about her behavior. BTW, I have worked in the complaint department for TWO major companies. If something like this happened, I would send that person to another store, after making sure that next store would treat the customer properly. I did stuff like that hundreds of times. And then I would give the customer a follow up call to make sure everything went OK. In some instances I would also have a "chat" with the offending employee and his supervisor.

On several occasions when purchasing components or inquiring about products, I've been accused by RS employees of doing something unsavory or illegal. I recently went into RS to look at a deeply discount basic radio scanner. When the salesclerk tried to steer me into buying a more expensive model, I remarked that I was going to just use it for listening to and decoding WX satellites, but that it would require a modification to broaden the receiver's bandwidth. The clerk literally screamed at me... "You can't do that - That's UHH-Legal!" I asked him to tell me what law specifically I was breaking, and he instead went and hid in the stockroom. Rule number one in sales - don't insult your customers or call them criminals.

My Boss (at the time) and I stopped into the Radio Shack in Christown Mall (Phoenix) to buy some components for a project he was having me build. We were in a hurry and manager of the store was ringing up customers. When my boss gave this guy his 3 dollars for the purchase, they got into a protracted "discussion" over the name and address thing. My boss held his ground and pointed out that he wasn't going to give his name and address for a 3 dollar cash sale. The manager responded in a very snotty tone, "Oh you're one of THOSE people..." Yeah, like my boss is some 7th Day Adventist hiding out in a bunker in Texas...

Radio Shack gets derided because they do things that invite derision. They hold no corner on that market. I've worked for companies where marketing doesn't meet reality. And I've taken heat for it, trust me... But you try to do your best with what you've got.

I haven't stopped shopping at Radio Shack. Going there and asking a
technical question of the employees is always good for some comic relief.

73,

Mark
KC7BXS

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634. [aprssig] Re: Business 101

From: "Michael Nettles KB5WBH" <kb5wbh@arrl.net>
Date: Fri, 29 Nov 2002 16:56:27 -0600
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-108992-2002.11.29-17.38.52--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

When they ask me for my name I always tell them "CASH" and it works.
73
Mike

> My Boss (at the time) and I stopped into the Radio Shack in Christown Mall
> (Phoenix) to buy some components for a project he was having me build. We
> were in a hurry and manager of the store was ringing up customers. When
my
> boss gave this guy his 3 dollars for the purchase, they got into a
> protracted "discussion" over the name and address thing. >

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635. [aprssig] Re: Business 101

From: "Dick C. Reichenbach" <dreichen@columbus.rr.com>
Date: Fri, 29 Nov 2002 18:58:55 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: TAPR APRS Special Interest Group <aprssig@lists.tapr.org>
Message-ID: <LYR842-108996-2002.11.29-18.43.15--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

I use "CASH" most of the time, but "George Washington" also works (depending on
what bill you're using to pay). (^8

Michael Nettles KB5WBH wrote:

> When they ask me for my name I always tell them "CASH" and it works.
> 73
> Mike
>

Dick R. - KC8OBZ

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636. [aprssig] Source of CW0xxx weather objects.

From: Bruce Coates <bruce.coates@sk.sympatico.ca>
Date: Fri, 29 Nov 2002 18:17:26 -0600
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-108999-2002.11.29-19.02.54--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Hi.

Anyone know the source of the weather stations on the APRS IS labelled

CW0xxx. CW0782 is near me but appears in a residential area of an nearby
town. Very odd.

73 - Bruce - VE5BNC

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637. [aprssig] RE: Source of CW0xxx weather objects.

From: "Jack Smith" <jrs38801@bellsouth.net>
Date: Fri, 29 Nov 2002 18:45:05 -0600
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-109001-2002.11.29-19.29.42--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Bruce,

These are Citizen Weather Stations. They only feed into the APRS-IS, and
will not be transmitted to RF. Have a look at: http://wxqa.com/ That should
explain it all to you.

73 de Jack KE4LWT

-----Original Message-----
From: bounce-aprssig-26384@lists.tapr.org
[mailto:bounce-aprssig-26384@lists.tapr.org]On Behalf Of Bruce Coates
Sent: Friday, November 29, 2002 6:17 PM
To: TAPR APRS Special Interest Group
Subject: [aprssig] Source of CW0xxx weather objects.

Hi.

Anyone know the source of the weather stations on the APRS IS labelled
CW0xxx. CW0782 is near me but appears in a residential area of an nearby
town. Very odd.

73 - Bruce - VE5BNC

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638. [aprssig] Speaking of Radio Shack...

From: "Mark Fellhauer" <sparkfel@qwest.net>
Date: Fri, 29 Nov 2002 18:46:20 -0600
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-109002-2002.11.29-19.34.44--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

I was in there today and saw a few things of interest...

They are selling a USB to 9-pin serial adapter for $40.00   #26-183

They have a sale on their ultra-dinky 2 meter mobile for $99.00 in stores
I think it's the HTX-252 - #19-1127

73,

Mark
KC7BXS

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639. [aprssig] Re: Source of CW0xxx weather objects.

From: "Spider" <spider@rivcom.net>
Date: Fri, 29 Nov 2002 17:49:58 -0700
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-109003-2002.11.29-19.34.53--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

check out

http://wxqa.com/members.txt

and

http://mywebpages.comcast.net/dshelms/cwop.html

Jim, WA6OFT

----- Original Message -----
From: "Bruce Coates" <bruce.coates@sk.sympatico.ca>
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Sent: Friday, November 29, 2002 5:17 PM
Subject: [aprssig] Source of CW0xxx weather objects.

> Hi.
>
> Anyone know the source of the weather stations on the APRS IS labelled
> CW0xxx. CW0782 is near me but appears in a residential area of an nearby
> town. Very odd.
>
> 73 - Bruce - VE5BNC
>
>
> ---
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>
>
>

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640. [aprssig] Re: Business 101

From: Alex <kr1st@amsat.org>
Date: Fri, 29 Nov 2002 19:50:37 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-109004-2002.11.29-19.36.15--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Steve Dimse wrote:

> Complaints do stifle innovation. More than once I've been ready to throw
> in the towel on APRS because of the attitudes and opinions of a small
> number of hams.
<snip>
> Anyone planning to try to innovate in ham
> radio better have a thick skin...

Jeff said a long time ago on here that this is a hobby that you have to
do for yourself. I can only concur with that when it comes to
development in a hobby atmosphere. If one gets discouraged easily by
what other people say about your work, then indeed you need to think
twice before starting a project that may be attractive to the public.

> If your intent was that complaints about something will inspire others
> to solve a problem, it just ain't so. Innovators solve problems that
> interest them...

Who invented the washing machine? :)

I tend to think that products in general will be improved when enough people complain, in the professional world that is. The problem with a lot of folks in the hobby atmosphere is that often they take complaints too personal or as criticism on their work and rather drop the ball than fix a problem or implement a good idea. Or they discuss it endlessly why a problem is not a problem or why a proposed change is bad. Especially the latter can result in stagnation. So I guess I'm arguing that it is the attitude of the recipient of a complaint that may very well get in the way of innovation.

> there is no joy in pleasing a complainer.

Well, if that's the goal, then there's a problem, unless one works in the customer service department. One fixes a problem to fix the problem, not to please the complainer. If in the process the complaient gets pleased, then I do not see anything wrong with that either.

> But if you really want something done, don't complain, inspire me
> instead.

If someone complains, then I try to separate the emotional aspect from the technical one. Not the easiest thing to do at times of course. Even if the complainer has a bad attitude, the complaint may still be valid and may affect others who don't speak up. The bad attitude can be dealt with separately with the person in question. Indeed you catch a whole lot more flies with honey than with vinegar.

....off to digest some more turkey.

73,
--Alex KR1ST

http://www.kr1st.com

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641. [aprssig] Re: Pmaps Utility

From: "lmoffitt" <lmoffitt@bellsouth.net>
Date: Fri, 29 Nov 2002 20:08:45 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-109008-2002.11.29-19.52.39--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Jim what is A Pmap and where can I download it from--tnx Lloyd w4uzj
----- Original Message -----
From: "Spider" <spider@rivcom.net>
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Sent: Thursday, November 28, 2002 3:33 PM
Subject: [aprssig] Pmaps Utility

Ladies and Gents!

Bill, KC9XG, has written a nice utility program for aiding the in the installation of the States files for Pmaps.

If you are or are going to run Pmaps, it would be a good program to have.
And
it's FREE!

You can go to www.aprsfire.net and down at the bottom of the page, there is a link to the file.

Jim - WA6OFT

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---
Outgoing mail is certified Virus Free.
Checked by AVG anti-virus system (http://www.grisoft.com).
Version: 6.0.416 / Virus Database: 232 - Release Date: 11/6/2002

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642. [aprssig] Re: Business 101

From: Alex <kr1st@amsat.org>
Date: Fri, 29 Nov 2002 20:14:17 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-109009-2002.11.29-19.58.55--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Michael Nettles KB5WBH wrote:
>
> When they ask me for my name I always tell them "CASH" and it works.

I always did the "cash" thing too. I've never understood why people were so willing to give all their info. It's not Radioshack's fault that they ask, it's the fool who answers with their life story who has a problem. Same as with paying for catalogs, or buying a shirt with "Old Navy" in huge letters on the front and not getting paid for it. Most people are simply sheep who do what they are told or asked for without questioning anything. Affluenza is the name of the dissease I think...

Ok, I'll drop it.

73,
--Alex KR1ST

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643. [aprssig] Re: Radio Shack -> Silent Key for HAM Radio

From: "Mike Cook" <kd5dhu@attbi.com>
Date: Sun, 29 Dec 2002 19:23:30 -0600
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-109011-2002.11.29-20.07.41--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Great thread on Rat Shack, however it needs to come to an end.
Group,

I was under the impression that they (Radio Shack) stopped selling 'real' experimenter and or ham parts in the late '70's. Maybe I should have visited their store more often for parts, however since my above reference, most of what I have needed has been out of stock or on order, so I have ordered most of what I needed via mail order. I guess I should have used their RSU (pay more for it) parts ordering it system.

Mike - kd5dhu

P.S. don't let anyone know that you can purchase parts from reputable companies on the internet cheaper.

-----Original Message-----
From: bounce-aprssig-30482@lists.tapr.org
[mailto:bounce-aprssig-30482@lists.tapr.org]On Behalf Of Jeff King
Sent: Thursday, November 28, 2002 3:42 PM
To: TAPR APRS Special Interest Group
Subject: [aprssig] Re: RadioShack -> Silent Key for HAM Radio

That must have been the amateur radio use of "We" ;-)

--

Jeff King, jeff@aerodata.net on 11/28/2002

On Thu, 28 Nov 2002 16:25:53 -0500, Don wrote:
>What was the speech that the CEO of Enron gave just before they
>closed?   We
>are doing GREAT.

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644. [aprssig] Re: Pmaps Utility

From: "Don" <kyham@alltel.net>
Date: Fri, 29 Nov 2002 20:59:43 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-109012-2002.11.29-20.44.19--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Pmap is Precision Mapping V5 that is now fully supported in UI-VIEW.   No more making static maps.   Move and zoom to anyplace in the US down to the street level. I'm 5 miles out in the country in KY and even my DRIVEWAY is on the map.

Best thing that has happened for APRS.
Excellent support from the author.   Quite a few add-ons for UI-VIEW as well.

Don   K9SOA   (EM77EX)
HF-2m-70cm-APRS
www.k9soa.net

Home of JEANNIE
The House That Listens
As seen on HGTV's Dream Builder Show
and the Featured Home of the Month
Home Automation magazine
March 2002 issue

----- Original Message -----
From: lmoffitt <lmoffitt@bellsouth.net>
To: TAPR APRS Special Interest Group <aprssig@lists.tapr.org>
Sent: Friday, November 29, 2002 8:08 PM
Subject: [aprssig] Re: Pmaps Utility

> Jim what is A Pmap and where can I download it from--tnx Lloyd w4uzj

---
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645. [aprssig] Re: Pmaps Utility

From: "Spider" <spider@rivcom.net>
Date: Fri, 29 Nov 2002 19:37:23 -0700
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-109022-2002.11.29-21.22.15--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

----- Original Message -----
From: "lmoffitt" <lmoffitt@bellsouth.net>
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Sent: Friday, November 29, 2002 6:08 PM

Subject: [aprssig] Re: Pmaps Utility

> Jim what is A Pmap and where can I download it from--tnx Lloyd w4uzj

Pmaps is short for Precision Mapping. You can download at
http://www.undertowsoftware.com/?AID=9
Although it's name is Precision Mapping Traveler v5.0 and Precision Mapping
Streets v5.0, it has become known and accepted as Pmaps v5.0.
When you buy it, Pmaps v5.0 is sold as a bundle...both Traveler and Streets
for somewhere near $49.00.
Pmaps Traveler or Streets can be used as individual stand-alone mapping
programs. Or...
UI-View32 takes advantage of Pmaps and allows a user to zoom around, pan,
etc all the way down to street
level with ease. My personal opinion is that it is an Excellent combo/APRS
device and the ONLY one I would recommend
for APRS users in the USA that use Windows (see Curt, I was nice! <g>).
(note: Xastir is the one to use if you are a Linux type, without Pmaps).
UI-View32 www.ui-view.com (also make SURE you look at
http://www.ui-view.com/uiview32/uivpmap.shtml) is VERY well supported and I
can not think how on earth it could be supported any better...by the author,
Roger, and by some of it's users. UI-View has a great email support server
and there are a few
of us that do online help with Ui-View and Pmaps on Achat.

There is my sales pitch....it's good stuff, Lloyd!

73

Jim, WA6OFT
www.wa6oft.com

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646. [aprssig] Re: Source of CW0xxx weather objects.

From: "Dick Stanich" <dick@kb7zva.com>
Date: Fri, 29 Nov 2002 22:9:15
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-109035-2002.11.29-22.53.50--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

> Anyone know the source of the weather stations on the APRS IS labelled
> CW0xxx. CW0782 is near me but appears in a residential area of an nearby
> town. Very odd.

Not odd at all. Hundreds of ham/non-ham weather stations around the world
have been sending WX data reports to the APRS IS, at the rate of over
40,000+ reports a day. This has been going on for a couple of years.

APRSWest.net is the primary wx server and APRSCA.net is the backup server.
Most users that access these servers, simply check-in, send data at regular
intervals (10-20 mins.). The data is process and used by many weather
related resources around the world, including findu.com.

I have a real-time display of all active wx stations around the world at
http://wx.kb7zva.com

Please give the page a chance to load. Click on any wx station and the
details will appear on your status bar. Also, more information is available
at http://kb7zva.com

APRSWest.net and other Tier 2 servers offer some very nice features via
many different specialized port configurations.

Dick, KB7ZVA
APRSWest.net

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647. [aprssig] Re: Business 101

From: "Mark Fellhauer" <sparkfel@qwest.net>
Date: Fri, 29 Nov 2002 22:33:37 -0600
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-109037-2002.11.29-23.18.24--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

At 07:14 PM 11/29/02, Alex wrote:

>I always did the "cash" thing too. I've never understood why people were
>so willing to give all their info. It's not Radioshack's fault that they
>ask

Actually, it's been my experience that many Radio Shacks take a more "pro-active" stance than politely asking for your name and address once and let it go when you say "cash." As was my boss' experience at the Christown store. There was an MSNBC piece about this on their web site not too long ago, but I can't seem to find it. They still have the video interview with Leonard Roberts (RS CEO) online.

Leonard Roberts said the process of asking for all that information was "annoying and actually time consuming..." Why would a business engage in a practice that they acknowledge is annoying and a waste of time for over 30 years? Radio Shack's corporate stance on the name and everything was to help honor warranties and refunds. Funny, but I was in Rat Shack and watched them turn away a lady trying to return a recently purchased answering machine because she didn't have a paper receipt - I didn't see anyone at the store offer to look up her information...

I wasn't going to mention this - but it happened to me today 11/29/02 at 5:49 PM central time. RS is closing out their AM/FM Wind-Up Radio #12-801 for $18.00 - They listed for $40.00 in last year's catalog. I figured it would be a good Christmas present for someone, so I snagged the last one they had. As the clerk was ringing it up he said, "You're gonna need batteries for that!" I tried to explain it was a "self-powered" radio, and that yes, you could put batteries in it, but that defeats the purpose of the radio. He then said (and I quote), "No, this radio will not work unless you put double-A's in it." Instead of arguing further I took the path of least resistance and told him I had plenty of batteries at home. Once again an RS employee shows a complete lack of knowledge about the products he sells, which unfortunately is not just a problem at Radio Shack, but they are a company with the corporate slogan of... Ahh, we all know it and parody it. :)

BTW, the radio has a small easily-replaceable NiCad pack and 90 seconds of crank time gives many minutes of listening time. The radio appears to be a quality product and has pretty good sound from the speaker (for a small portable radio). For under $20 it might be a good purchase for the emergency kit.

Mark
KC7BXS

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648. [aprssig] Radio Shack Sales Clerk [was: Re: Business 101]

From: WA8LMF2@aol.com
Date: Sat, 30 Nov 2002 01:26:51 EST
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-109051-2002.11.30-01.11.39--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

In a message dated 11/29/02 8:35:21 PM Pacific Standard Time,
sparkfel@qwest.net writes:

> As the clerk was ringing it up he said, "You're gonna need
> batteries for that!"   I tried to explain it was a "self-powered" radio,
> and that yes, you could put batteries in it, but that defeats the purpose
> of the radio. He then said (and I quote), "No, this radio will not work
> unless you put double-A's in it."

Why didn't you wind it up and demonstrate that it really would work without
AA cells?

Stephen H. Smith   wa8lmf @ aol.com
Home Page: http://wa8lmf.com
Ham Radio/Mobile SSTV page: http://members.aol.com/wa8lmf/ham
APRS Stuff
http://members.aol.com/wa8lmf/aprs

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649. [aprssig] Re: Business 101

From: "M. Schneider" <msokla@brightok.net>
Date: Sat, 30 Nov 2002 02:09:41 -0600
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-109054-2002.11.30-02.53.06--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

I think the difference is in the type of complaints received, which Steve addressed indirectly. He mentioned the phone thing, where the guy showed him how the change would benefit the users. That is a complaint/feedback that's actually positive. Too many people who complain are of the "Your (program, radio, idea, etc.) sucks and I'm going to tell everybody so!" variety. Even if they might have a valid problem, it's so wrapped up in negatives that who's going to listen to them. As you say, you catch more flies with honey than vinegar. If it were to be presented as "I've experienced the following with your program. I don't know if you intended it this way or if it's something you overlooked, but have you considered doing xxxxxxxx instead. Personally, I feel it would work better that way." Maybe the guy has always done it that way, maybe he didn't consider another way, but if you call him an ass for doing it that way, he's sure not likely to change.

We've strayed off from APRS on this, but it's been an interesting exchange, and I've enjoyed it. Thanks, Stan, for indulging us in this.

73,
Mark Schneider
K5MAR
Stillwater, OK ARC
Asst. EC, Payne Cty, OK ARES

> From: Alex <kr1st@amsat.org>
>
> Steve Dimse wrote:
>
> > Complaints do stifle innovation. More than once I've been ready to throw
> > in the towel on APRS because of the attitudes and opinions of a small
> > number of hams.
>
> > If your intent was that complaints about something will inspire others
> > to solve a problem, it just ain't so. Innovators solve problems that
> > interest them...
>
> I tend to think that products in general will be improved when enough
> people complain, in the professional world that is. The problem with a
> lot of folks in the hobby atmosphere is that often they take complaints
> too personal or as criticism on their work and rather drop the ball than
> fix a problem or implement a good idea. Or they discuss it endlessly why
> a problem is not a problem or why a proposed change is bad. Especially
> the latter can result in stagnation. So I guess I'm arguing that it is
> the attitude of the recipient of a complaint that may very well get in
> the way of innovation.
>

> > there is no joy in pleasing a complainer.
>
> Well, if that's the goal, then there's a problem, unless one works in
> the customer service department. One fixes a problem to fix the problem,
> not to please the complainer. If in the process the complaient gets
> pleased, then I do not see anything wrong with that either.
>
> > But if you really want something done, don't complain, inspire me
> > instead.
>
> If someone complains, then I try to separate the emotional aspect from
> the technical one. Not the easiest thing to do at times of course. Even
> if the complainer has a bad attitude, the complaint may still be valid
> and may affect others who don't speak up. The bad attitude can be dealt
> with separately with the person in question. Indeed you catch a whole
> lot more flies with honey than with vinegar.
> --Alex KR1ST

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650. [aprssig] Re: Business 101

From: "Peter \"Dakota\" Summerhawk" <dakotas@dotorg.org>
Date: Sat, 30 Nov 2002 01:19:40 -0700
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-109055-2002.11.30-03.04.07--lyris.aprssig#tapr.org@lists.tapr.org>
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I would have to agree With the list after catching up on my mail. The best
way to solve a problem is to offer help rather than criticisms. To many of
the people that have helped us have not been thanked for the hard work and
effort that has brought us to this point already. I for one would like to
thank each and everyone that has worked on bringing the ham programming to
light and help work out all the bugs.
N0WRE

651. [aprssig] mobile installation in a hatchback or station wagon

From: Hamish Moffatt <hamish@cloud.net.au>
Date: Sat, 30 Nov 2002 23:38:21 +1100
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-109070-2002.11.30-07.23.01--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Hi APRSers,

Does anyone have experience with installing radios (eg TM-D700A + GPS)
into hatchbacks or station wagons? (Hope you know what type of car I'm
talking about, as I'm not sure what terminology is used outside of
Australia.)

I'm looking for ideas on where to locate the body of the radio itself,
and how to actually secure it there. My best thought so far is under the
passenger seat, but I'm not sure how I can actually secure it there.

What about mounting the antenna? A trunk lid mount won't work since
there's no flat trunk to use.

thanks,
Hamish
--
Hamish Moffatt VK3SB <hamish@debian.org> <hamish@cloud.net.au>

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652. [aprssig] Re: Business 101

From: Steve Dimse <k4hg@tapr.org>
Date: Sat, 30 Nov 2002 07:40:00 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-109071-2002.11.30-07.24.40--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

```
On 11/29/02 at 7:50 PM kr1st@amsat.org (Alex) sent:

>Steve Dimse wrote:
>
>> Complaints do stifle innovation. More than once I've been ready to throw
>> in the towel on APRS because of the attitudes and opinions of a small
>> number of hams.
><snip>
>> Anyone planning to try to innovate in ham
>> radio better have a thick skin...
>
>Jeff said a long time ago on here that this is a hobby that you have to
>do for yourself. I can only concur with that when it comes to
>development in a hobby atmosphere. If one gets discouraged easily by
>what other people say about your work, then indeed you need to think
>twice before starting a project that may be attractive to the public.
>
And to that I'd add that you have to have a vision, and the strength to say no,
otherwise things run around in circles. Perfect example is Linus and Linux...I
read an article yesterday where he said his most important job now was saying no
to people.

>> If your intent was that complaints about something will inspire others
>> to solve a problem, it just ain't so. Innovators solve problems that
>> interest them...
>
>Who invented the washing machine? :)
>
If there is a story behind this, I'm not aware of it, so please enlighten me. If
the intent is to imply it was invented by a henpecked husband who was responding
to the claims of the wife, I'd bet that if it did involve a husband and wife, it
was something the husband did because his wife silently silently did her chores,
and out of love he worked to make her life better ;-)

>I tend to think that products in general will be improved when enough
>people complain, in the professional world that is. The problem with a
>lot of folks in the hobby atmosphere is that often they take complaints
>too personal or as criticism on their work and rather drop the ball than
>fix a problem or implement a good idea. Or they discuss it endlessly why
>a problem is not a problem or why a proposed change is bad. Especially
>the latter can result in stagnation. So I guess I'm arguing that it is
>the attitude of the recipient of a complaint that may very well get in
>the way of innovation.
>
If enough people complain about something, a company certainly will respond
(unless they are a monopoly). Most times they will fix the problem, but other
times they will decide the time and expense of dealing with complaints for a
product or service may be too great, and drop it entirely.

Even in dealing with a business, though, I maintain that a nicely worded letter
with suggestions rather than complaints, explanation rather than exclamation, is
more likely to get noticed, passed along, and acted upon.

The hobby situation is quite different...there is no complaint department, no
customer service representatives who get paid to take the abuse. If findU
generated a hundred complaints a day, I most certainly would fold the whole
thing up, that would be much more trouble than it was worth (even after
considering it gets 100,000 hits a day, and only 0.1% generated a complaint).
>> there is no joy in pleasing a complainer.
>
>Well, if that's the goal, then there's a problem, unless one works in
>the customer service department. One fixes a problem to fix the problem,
>not to please the complainer. If in the process the complaient gets
>pleased, then I do not see anything wrong with that either.
>
The majority of complaints I see are not problems, as in bugs, but rather
differences in opinion. I am most definitely not in this to please others, I do
it for myself, because _I_ think it is cool. I enjoy creating the concept,
forging the software, seeing it work, thinking up new pages and new uses for the
system. If it is useful to others, that is simply a byproduct. I do not feel
I've failed if it doesn't meet everyone's needs. I probably couldn't even if I
tried, but if I tried, I certainly would have less to to spend on those things I
find enjoyable and rewarding.

>> But if you really want something done, don't complain, inspire me
>> instead.
>
>If someone complains, then I try to separate the emotional aspect from
>the technical one. Not the easiest thing to do at times of course. Even
```

>if the complainer has a bad attitude, the complaint may still be valid
>and may affect others who don't speak up. The bad attitude can be dealt
>with separately with the person in question. Indeed you catch a whole
>lot more flies with honey than with vinegar.
>
I listen to them all, and I have done some things that came to me in complaint form, because they needed to be done. Doing them didn't bring me any pleasure though, it was a chore that needed to be done, like taking out the trash...the house smells better, but I don't feel any accomplishment. If someone uses findU more than once, they must have gotten something of value. Given that they paid nothing for using findU, I really don't think they are in a position to complain. Most people, when they find a bug or have a suggestion, are able to put it into reasonably worded note, rather than filing a complaint. Those that can't will just have to live with the fact that their opinions matter less to me.

Steve K4HG

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653. [aprssig] Re: Business 101

From: Steve Dimse <k4hg@tapr.org>
Date: Sat, 30 Nov 2002 08:19:11 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: TAPR APRS Special Interest Group <aprssig@lists.tapr.org>
Message-ID: <LYR842-109073-2002.11.30-08.03.46--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

On 11/30/02 at 2:09 AM msokla@brightok.net (M. Schneider) sent:

>I think the difference is in the type of complaints received, which Steve
>addressed indirectly. He mentioned the phone thing, where the guy showed
>him how the change would benefit the users. That is a complaint/feedback
>that's actually positive.

The phone thing I mentioned as something that was NOT a complaint. Maybe a definition from dictionary.com helps clarify:

1. An expression of pain, dissatisfaction, or resentment.
2. A cause or reason for complaining; a grievance.

(the other two definitions, medical and legal, don't apply). A bug report or feature request are not automatically a complaint, it is all in the presentation. Most of the email I get are not complaints. Reading them and answering them (as I do for all of them) is not unpleasant experience. Reading a complaint is an unpleasant experience, and answering one is even more unpleasant, as it usually unleases even more of the same, particularly if it is done on the sig. A lot of these go into the trash without getting answered.

The important point here is that what made this get done was NOT that he showed me how it would benefit users, he showed me it would be cool. It may only benefit him, or it may benefit others, but that isn't what made it happen.

In contrast, the most complained about issue on findU is an option to display results in other unit systems. This acutally is high on my do list, and next time I get into a programming mood it will probably get done, but there is nothing cool about it, like I said this is like taking out the trash. It would be useful to a whole lot of people, but it is not something I can get enthusiastic about.

That people complain about this does not make me want to get it done sooner, in fact just the opposite is true. So if you want something done on findU (and I'm sure with most of the other APRS authors here) don't complain, inspire me!

Steve K4HG

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654. [aprssig] Re: mobile installation in a hatchback or station wagon

From: Randy Allen <ka0azs@commkey.net>
Date: Sat, 30 Nov 2002 08:20:30 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>

Cc: TAPR APRS Special Interest Group <aprssig@lists.tapr.org>
Message-ID: <LYR842-109074-2002.11.30-08.06.50--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Hamish,

I have a Jeep Cherokee 4 Door. The D-700 body is mounted under the rear seat. The mounting screws only go through the thick insulation between the floor and the seat, but it is not going anywhere due to the size of the space it's in. Has worked well for a year and a half.

The control head is mounted to the headliner above the rear view mirror. Makes it viewable for driver and passenger, out of the way, and not easily seen from outside the vehicle.

For an antenna mount I use the Comet one designed for SUV/Hatchbacks (RS-21). It is adjustable in multiple ways to get your antenna vertical no matter what the angle of your hatch back is, and attaches like a trunk lip mount with 2 screws. MFJ makes a similar one called the "Ruff Rider", but I have no direct experience with it.

I use a Z-750 or SBB-7 antenna depending on the situation. Both are at least 5/8 wave on 2 meter, and do not require a ground plane. Both have worked well for me, the Z-750 for day to day use (it will clear the garage door), and the SBB-7 for Public Service Events and ARES work (when I want some extra gain available).

Hope this helps.

73

Randy Allen, KAØAZS
EC, Montgomery CO Ohio
OH Dist. 3 ARES Web Page:
http://www.qsl.net/ohd3ares/

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655. [aprssig] Re: Radio Shack Sales Clerk

From: N0ESC-APRS <n0esc-aprs@charter.net>
Date: Sat, 30 Nov 2002 07:38:11 -0600
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-109075-2002.11.30-08.27.18--lyris.aprssig#tapr.org@lists.tapr.org>
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At 01:26 AM 11/30/2002 -0500, WA8LMF2@aol.com wrote:
>In a message dated 11/29/02 8:35:21 PM Pacific Standard Time,
>sparkfel@qwest.net writes:
>
> > As the clerk was ringing it up he said, "You're gonna need
> > batteries for that!"   I tried to explain it was a "self-powered" radio,
> > and that yes, you could put batteries in it, but that defeats the purpose
> > of the radio. He then said (and I quote), "No, this radio will not work
> > unless you put double-A's in it."
>

In defense of RS, there are stores with employees that care about their job and actually try to help people. There are several in this area. It is hard to
employ someone in that position for any length of time and it has less to do with the paycheck than it does to do with the way customers tend to treat any service person they see.

We're not here to drop everything in our hands and help you the second you walk
in the door because you can't see that I am on the phone with a customer trying
to explain how to hook up their new DVD player, or the old guy in the back thats
spent the last 45 minutes pawing through the clearance bins complaining about prices and how we don't carry the part he needs anymore. (Don't try to point out
the fact that in the last 4 years, hes the only person you've ever had ask for that
part). The people (They are people too) behind the counter are genuinely trying

their best, sometimes they don't know any better, and the other person that
replied
to you is right, instead of scoffing at someone thats trying to learn and
earn a living
who only knows he was told to add batteries onto every sale, why not just
show him
it really will work without batteries so you can save someone else from
having to
correct him.

Some of you should recall that a lot of amateurs at one time or another have
worked in a RadioShack, and many may still do so, myself included. I may
not be able to tell you the value of the toasted black resistor you carry in
in a plastic back, but I will try my best. I certainly can do my part to
educate
customers on radio services, what they are capable of, and what they need
to do to get a license, amateur or otherwise.

I'll crawl down off my soapbox now, but remember what was pointed out in
the original
part of the thread... We've done it to ourselves, so complaining about
stock is much like the
quote about not saying anything until one finds they've taken away all your
rights.
Bad service prevails everywhere, from retail, to service, to industry, both
internationally
and at home, complaining about it is only academic... Next time try to fix
it, instead of forcing
a salesperson into mirroring your attitude about the store your in.

Michael Johannsen
N0ESC

---
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656. [aprssig] Re: Radio Shack Sales Clerk

From: Chuck Byam <cbyam@virginia.edu>
Date: Sat, 30 Nov 2002 08:48:31 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-109076-2002.11.30-08.33.17--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

On Saturday 30 November 2002 08:38 am, N0ESC-APRS wrote:
<<snip, snip>>
| Michael Johannsen
| N0ESC

Great call.

Chuck

---
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657. [aprssig] Re: mobile installation in a hatchback or station wagon

From: Ken Brown <W2KB@compuserve.com>
Date: Sat, 30 Nov 2002 09:35:05 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: hamish <aprssig@lists.tapr.org>
Message-ID: <LYR842-109081-2002.11.30-09.20.15--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

>> My best thought so far is under the passenger seat, but I'm not sure how
I can actually secure it there. <<

Hamish,

Under the seats in my Chevy tahoe truck is where I have the body of the
D700 and 706MkII. I used a piece of 1/2 inch plywood cut to fit under the
seat and the mounting bracket is screwed into that. If you find it slides
around, simply nail several 3/4 inch nails through the plywood so that they
protrude below and that will stop the sliding.

>> What about mounting the antenna? A trunk lid mount won't work since
there's no flat trunk to use. <<

I use magnetic mount for VHF since its easily removed. The HF mount uses
the trailer hitch.

73,

---Ken   W2KB@ARRL.net   VC-NJ   KofC

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658. [aprssig] [Re: Radio Shack Sales Clerk [was: Re: Business 101]]

From: bob evinger <wd9eka@evinger.com>
Date: Sat, 30 Nov 2002 09:02:27 -0600
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-109091-2002.11.30-09.51.32--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

And some years ago I went into the RS store I preferred to give my
business to because they had such small volume and dreaded going to the
mall to acquire I think it was the 36 foot pushup mast. A clerk that
normally wasnt there proceeded to tell me they didnt sell towers. I ask
for a catalog showed it to him and got a small "oh" out of him. They
didnt stock it, but the mall store did. When he was on the phone with
them he asked them if he could ring it up(for the commission). After he
hung up I told him I preferred to pay for it at the store I got it from.
In actuallity had he been a little more customer friendly I probably
would have paid there and let him have the commission, but having to
convince somebody that they do indeed sell something irks me just a wee
bit. :)
I believe that was my defining moment of going elsewhere whe at all
possible for parts unless it was a just got to have it to fix something
today(usually limited to fuses and coax connectors)

bob

```
WA8LMF2@aol.com wrote:
 > In a message dated 11/29/02 8:35:21 PM Pacific Standard Time,
 > sparkfel@qwest.net writes:
 >
 >
 >> As the clerk was ringing it up he said, "You're gonna need
 >> batteries for that!"   I tried to explain it was a "self-powered"
radio,
 >> and that yes, you could put batteries in it, but that defeats the
purpose
 >> of the radio.  He then said (and I quote), "No, this radio will not
work
 >> unless you put double-A's in it."
 >
 >
 >
 > Why didn't you wind it up and demonstrate that it really would work
without
 > AA cells?
 >
 > Stephen H. Smith                   wa8lmf @ aol.com
 > Home Page:                                        http://wa8lmf.com
 > Ham Radio/Mobile SSTV page:     http://members.aol.com/wa8lmf/ham
 > APRS Stuff
 > http://members.aol.com/wa8lmf/aprs
 >
 >     Radio Communications Systems       Personal Computers
 >                 Consulting and Systems Integration
 >     GPS Custom Mapping    &     Radio Coverage Surveys
 >     File Conversions       MS-Windows Setups       Networking
 >
 > ---
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 >
 >
```

--
Bob Evinger   WD9EKA/AAR5MG(Army MARS operator)
If Guns Cause Crime, Then Matches Cause Arson.

--
Bob Evinger   WD9EKA/AAR5MG(Army MARS operator)
If Guns Cause Crime, Then Matches Cause Arson.

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659. [aprssig] Re: D700 (microphone audio level)

From: "Chris Rose" <kb8uih@arrl.net>
Date: Sat, 30 Nov 2002 12:55:30 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-109100-2002.11.30-12.40.26--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

If anyone has this information, I would appreciate seeing it or getting it.
My D700 doesn't have good audio as I have been told and its worse on UHF
than VHF. Thanks for anyone who has it or can forward a URL with info.

Chris
KB8UIH

----- Original Message -----
From: "Richard Amirault" <ramirault@erols.com>
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Sent: Wednesday, October 23, 2002 6:39 PM
Subject: [aprssig] Re: D700 (microphone audio level)

> Mine was the same way. There is a menu adjustment for that. The service
> manual explains it. I forget (it's been a while since I did mine) the
> specifics .. I'm sure there was at least one website that also explained
it.
> You need to make a jumper to go into the din port, shorting specific pins,
> and that will bring up the radio in maintanace mode, then you need to get
to
> the proper menu and make the adjustment. I think each side can be adjusted
> seperately.
>
> Richard Amirault   N1JDU
Boston,
> MA, USA
> www.erols.com/ramirault   "Go Fly A Kite"

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660. [aprssig] Manuals. Was: Re: D700 (microphone audio level)

From: "Jack Smith" <jrs38801@bellsouth.net>
Date: Sat, 30 Nov 2002 12:24:35 -0600
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-109101-2002.11.30-13.09.17--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Good afternoon:

I saw this on the ARRL web site the other day, and used it to look up and
print a manual for a radio I got on clearance at Radio Shack. While I was
there, I also found service manuals for a couple of my other rigs and
downloaded them. It doesn't have all the service manuals, but it's certainly
worth a shot for the price. FREE !!!!

http://www.arrl.org/news/features/2002/11/16/1/

Jack KE4LWT

```
-----Original Message-----
From: bounce-aprssig-26384@lists.tapr.org
[mailto:bounce-aprssig-26384@lists.tapr.org]On Behalf Of Chris Rose
Sent: Saturday, November 30, 2002 11:55 AM
To: TAPR APRS Special Interest Group
Subject: [aprssig] Re: D700 (microphone audio level)


If anyone has this information, I would appreciate seeing it or getting it.
My D700 doesn't have good audio as I have been told and its worse on UHF
than VHF.  Thanks for anyone who has it or can forward a URL with info.

Chris
KB8UIH

----- Original Message -----
From: "Richard Amirault" <ramirault@erols.com>
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Sent: Wednesday, October 23, 2002 6:39 PM
Subject: [aprssig] Re: D700 (microphone audio level)


> Mine was the same way. There is a menu adjustment for that. The service
> manual explains it. I forget (it's been a while since I did mine) the
> specifics .. I'm sure there was at least one website that also explained
it.
> You need to make a jumper to go into the din port, shorting specific pins,
> and that will bring up the radio in maintanace mode, then you need to get
to
> the proper menu and make the adjustment. I think each side can be adjusted
> seperately.
>
> Richard Amirault                               N1JDU
Boston,
> MA, USA
> www.erols.com/ramirault          "Go Fly A Kite"




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```

661. [aprssig] Re: mobile installation in a hatchback or station wagon

From: KC7ZRU - Tate <kc7zru@arrl.net>
Date: Sat, 30 Nov 2002 11:50:35 -0700
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: TAPR APRS Special Interest Group <aprssig@lists.tapr.org>
Message-ID: <LYR842-109102-2002.11.30-13.35.19--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

```
Hi Hamish,

couple ideas: (installing radios, mostly FD, LEO, other PS and
commercial stuff is what I seem to be doing a lot of these days. Yea,
towers are a lot more fun!)

Put the mounting bracket under either front seat. Use self tapping
screws and just go down through the carpet into the floor pan. Make sure
you don't 'accidentally' go through anything important, like other
wires, brake lines, etc. Be sure you can access all ports, plugs,
switches and whatever else may be on that radio AFTER it's mounted. Good
idea to check for seat travel before hand too. Sucks to rip a rig out
just cuz auntie Elma slid the seat all the way back for ya.

Other good locations for remote mounts:
 Under any seat
 Inside the trim panels in the back, behind the rear seat
 back up behind the glove-box (select few vehicles will allow for this)
 remove glove box and replace with radio - keep the door to hide things
 depending on seat construction, back of a rear seat
```

As to the antenna - use an NMO type mount, a base loaded 5/8's wave and
center roof top mount that sucker. You just pull the head liner down a
bit (yank the door seals off the top off the door frame and you'll see
the handy routing) and run the RG-58 down the B post to that under seat
posistion. What with everyone doing the cell phone thing these days,
having an NMO mount in place sometimes actually helps resale value -
sometimes. Seems very few're worried 'bout drilling holes in new cars
these days.

GPS receiver? Really depends on what kinda receiver - weatherized? - can
it go on the roof too? Dash mount - in the rear cargo area by the back
window - any place where it can get a view of %60 or more of the sky.
(%60 is a subjective value based on my use of the DeLorme Tripmate and a
Magellan 2000XL - hey, they're working for me)

Good luck!

73

Hamish Moffatt wrote:
>
> Hi APRSers,
>
> Does anyone have experience with installing radios (eg TM-D700A + GPS)
> into hatchbacks or station wagons? (Hope you know what type of car I'm
> talking about, as I'm not sure what terminology is used outside of
> Australia.)
>
> I'm looking for ideas on where to locate the body of the radio itself,
> and how to actually secure it there. My best thought so far is under the
> passenger seat, but I'm not sure how I can actually secure it there.
>
> What about mounting the antenna? A trunk lid mount won't work since
> there's no flat trunk to use.
>
> thanks,
> Hamish
> --
> Hamish Moffatt VK3SB <hamish@debian.org> <hamish@cloud.net.au>
>
> ---
> You are currently subscribed to aprssig as: KC7ZRU@arrl.net
> To unsubscribe send a blank email to leave-aprssig-842K@lists.tapr.org
> Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

```
--
              Casper, WY    |    CARC Repeater
                DN62tt      |      146.940
        "The Dungeon" online at http://go.to/kc7zru
            "RTFM" is NOT a 'four letter' word!
```

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662. [aprssig] Re: mobile installation in a hatchback or station wagon

From: David VanHorn <dvanhorn@cedar.net>
Date: Sat, 30 Nov 2002 14:09:41 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: TAPR APRS Special Interest Group <aprssig@lists.tapr.org>
Message-ID: <LYR842-109104-2002.11.30-13.56.24--lyris.aprssig#tapr.org@lists.tapr.org>
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> Good idea to check for seat travel before hand too. Sucks to rip a rig out just cuz auntie Elma slid the seat all the way back for ya.

Cable pathways also, don't be routing that 8Ga power bus through the "electric scissors" of the power seat :)
Run it end to end and up and down if applicable, and make sure you aren't in a danger zone.

My Expedition (and many other cars) has a large channel underneath the door sills. In my case, it's about 2" x 1", which is relatively huge :)

>Other good locations for remote mounts:

Some cars have a tremendous amount of room in their center consoles that is totally wasted. A friend just installed a D700 there, and has room for about two more without crowding.

>As to the antenna - use an NMO type mount, a base loaded 5/8's wave and center roof top mount that sucker.

Beware floopy roof metal!
http://www.inchase.org/outflow/events/installnic2002/f5Mount.html

>GPS receiver?

In my explorer, I had good output from the Lowe's antenna mag-mounted to the car radio, IN the dash. The extra gain made up for the attenuation, and it was totally "stealth" and weather protected. In the Expedition, I've got room under the rear plastic panels over the wheels, and I'm considering a tripmate mounted there. It won't see 60% though. 50% tops.

There are roofmount antennas for GPS that are very small, and that's another option. I dislike messing with the headliner much though.

I put all my radio gear in a pair of consoles from Scientific Dimensions. The one up front carries the TH-D7A, Gall's switching system, strobe pack, and SSTV scan converter and screen. The SSTV camera is dash mounted in a so-so mount, I'm looking for better.

In the rear, I use two vertical brackets from SDI to mount the two FT-1500s, (SSTV and APRS) and the TNC. A USB serial port plugs into a four-way hub, and the cable up to the front has a powered repeater because of the distance.

I keep one of the stock mics back there with the 1500s in case it's ever needed as a backup to the main voice rig. In an emergency, I can convert the SSTV station into an additional operating position at the tailgate.

A 20AH gell cell straps to the side of this rear package, and of course everything's powerpoled. I used the larger size (75A) for the main power feeds. #4 from the battery to under the dash, then split to two #8 feeds, one for the front, one for the rear.

I am currently using glassmounts for SSTV and APRS. It's a bit of a compromise, but I'm reluctant to go with anything higher profile there. A helical filter scrounged from an old motorola radio keeps the APRS out of the SSTV.

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663. [aprssig] Re: mobile installation in a hatchback or station wagon

From: Randy Allen <ka0azs@commkey.net>
Date: Sat, 30 Nov 2002 14:40:25 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: TAPR APRS Special Interest Group <aprssig@lists.tapr.org>
Message-ID: <LYR842-109105-2002.11.30-14.26.22--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

KC7ZRU - Tate wrote:

>
> As to the antenna - use an NMO type mount,

Might I respectfully suggest an SO-239/PL-259 mount if you are active in emergency/ARES operations?

I've converted all my mobile antennas to this and it has several advantages:

1. I can easily remote the antenna to a mast or higher location on a mag mount and run standard coax between the antenna and the mount. No need to swap connectors at the radio body (buried under the seat). For Public Service events, I regularly run up a 15 foot mast with my antenna at the top for extended simplex/cross band operations. (As I stated in my original post, both are at least 5/8 wave on 2 meter, and work well enough without a ground plane for my purposes.)

2. I can run up a beam or other antenna (GP-3 is a popular portable antenna locally) and hook to the mobile radio at the antenna mount. Quick to disconnect and swap back to mobile antenna if I need to move.

3. I can use the mobile (or spare) as a separate base station antenna,
again using standard runs of coax.

  The biggest advantage to the NMO mount antennas is that they are
cheap, and easy to find. You have to search for the ones using SO-239,
but they are out there (Comet carries them) and they provide a lot more
flexibility.

My cliche'd $0.02 worth

73

--
Randy Allen, KA0AZS
EC, Montgomery CO Ohio
OH Dist. 3 ARES Web Page:
http://www.qsl.net/ohd3ares/

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664. [aprssig] Re: Radio Shack Sales Clerk [was: Re: Business 101]

From: "Mark Fellhauer" <sparkfel@qwest.net>
Date: Sat, 30 Nov 2002 14:18:21 -0600
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-109118-2002.11.30-15.03.25--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

>In a message dated 11/29/02 8:35:21 PM Pacific Standard Time,
>sparkfel@qwest.net writes:
>
> > As the clerk was ringing it up he said, "You're gonna need
> > batteries for that!"

At 12:26 AM 11/30/02, WA8LMF2@aol.com wrote:

>Why didn't you wind it up and demonstrate that it really would work without
>AA cells?

I find it odd that several people here operate under the assumption that businesses and complete strangers want your "help" or instruction.   I've often found that correcting people you don't deal with on a regular basis makes them mad or at least uncomfortable.

Also consider the fact that it was the day after Thanksgiving and the store was crowded with people trying to make purchases.   I would've had to unbox and unwrap the radio, remove the back cover, install the NiCad pack, crank the radio for several seconds, and then demonstrate.   All that would've delayed someone else from getting out of the store and on to the rest of their life.

Mark
KC7BXS

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665. [aprssig] ADMIN: Re: Radio Shack Sales Clerk, Business 101, ad nuseaum

From: Stan Horzepa <stanzepa@earthlink.net>
Date: Sat, 30 Nov 2002 15:22:48 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-109119-2002.11.30-15.07.53--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Please stop and desist discussing this off-topic topic.

Thank-you for your cooperation,

Stan, WA1LOU, APRSSIG administrator

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666. [aprssig] Re: mobile installation in a hatchback or station wagon

From: KC7ZRU - Tate <kc7zru@arrl.net>
Date: Sat, 30 Nov 2002 13:51:13 -0700
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-109120-2002.11.30-15.35.52--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

```
Good points there Randy - but, if all your agencies are using NMO as a
standard, then the ham that shows up with PL-259/SO-239 is the 'odd man
out'. It's VERY handy to be able to through a ham's 2m rig into a patrol
car and simply 'plug 'n play' using an existing antenna mount.

Plus - if it's good enough for the commercial, everyday emergency
services world, there's likely a reason - maybe. Though it's likely to
be strongly economically influenced as you referred.

Randy Allen wrote:
>
>   1.  I can easily remote the antenna to a mast  or higher location on a
> mag mount and run standard coax between the antenna and the mount.  No
> need to swap connectors at the radio body (buried under the seat).  For
> Public Service events, I regularly run up a 15 foot mast with my antenna
> at the top for extended simplex/cross band operations. (As I stated in
> my original post, both are at least 5/8 wave on 2 meter, and work well
> enough without a ground plane for my purposes.)

Mmm, I think we're on the same idea here - the radio keeps it's SO-239
connector, it's NMO at the other end. There *are* NMO "male" type
connectors. Idea is you unscrew your roof mount antenna, screw on this
NMO 'male' thinger (Maxrad, Antennex and others have 'em), it's got the
length of cable on it you need and you simply mount your screw on
antenna where you want. Mast, Mag, other vehicle, side of building -
whatever. The flexibility is a good idea! It's just been more
'traditionally' done with PL/SO (UHF) type connectors.

>  2.  I can run up a beam or other antenna (GP-3 is a popular portable
> antenna locally) and hook to the mobile radio at the antenna mount.
> Quick to disconnect and swap back to mobile antenna if I need to move.

Same idea - yea, I like. But it also can be done with NMO. And with the
recent news on Radio Shack and their implied 'change of foucus' when it
comes to hams, availability of PL/SO(UHF) connectors isn't likely to
remain the advantage it was.

> 3.  I can use the mobile (or spare) as a separate base station antenna,
> again using standard runs of coax.
>

Yea - same here, just we're using a different 'standard' :)

>   The biggest advantage to the NMO mount antennas is that they are
> cheap, and easy to find.  You have to search for the ones using SO-239,
> but they are out there (Comet carries them) and they provide a lot more
> flexibility.
>
> My cliche'd $0.02 worth
>

Oh, it's worth a bit more than that. Good reminder that *any*
installation aughta be flexible. Plan your flexibility!!

Best to ya

73

--
              Casper, WY    |    CARC Repeater
                DN62tt      |      146.940
        "The Dungeon" online at http://go.to/kc7zru
            "RTFM" is NOT a 'four letter' word!

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667. [aprssig] Re: mobile installation in a hatchback or station wagon

From: David VanHorn <dvanhorn@cedar.net>
Date: Sat, 30 Nov 2002 16:23:10 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-109121-2002.11.30-16.13.25--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

At 01:51 PM 11/30/2002 -0700, KC7ZRU - Tate wrote:
>Good points there Randy - but, if all your agencies are using NMO as a
>standard, then the ham that shows up with PL-259/SO-239 is the 'odd man
>out'. It's VERY handy to be able to through a ham's 2m rig into a patrol
>car and simply 'plug 'n play' using an existing antenna mount.

That's what they make adaptors for!   I have BNC-SO and SO-BNC in my kit, and an NMO-SO.

A basic adaptor set should be in everyone's go-kit.
I intend to make up some powerpole to clip leads or something similar, for that end of it too.

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668. [aprssig] Re: Business 101

From: "Gregg G. Wonderly" <gregg@skymaster.cytetech.com>
Date: Sat, 30 Nov 2002 16:29:06 -0600
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: TAPR APRS Special Interest Group <aprssig@lists.tapr.org>
Message-ID: <LYR842-109125-2002.11.30-17.13.43--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

>And I added that
>they also announced that they intend on dropping the asking of your name
>and address when you make low dollar cash purchases, something people have
>been complaining about for over 30 years.

I always tell the clerk "I just need to pay".

They move on and after a while, these clerks stop asking me...

-----
gregg@cytetech.com (Cyte Technologies Inc)

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---

669. [aprssig] Re: Radio Shack Sales Clerk

From: "Mike Yetsko" <myetsko@insydesw.com>
Date: Sat, 30 Nov 2002 17:36:41 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-109126-2002.11.30-17.23.16--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

> In defense of RS, there are stores with employees that care about their
job
> and actually try to help people.   There are several in this area. It
is
> hard to
> employ someone in that position for any length of time and it has less
to do
> with the paycheck than it does to do with the way customers tend to
treat
> any service person they see.

Boy do I agree with this!! In addition to the examples you mention are
the 'brain proud' idiots (I'd say something else in private) who go into
RS seeminging on an agenda of trying to prove how much more they
know than the employee.

Mike

```
---
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```

670. [aprssig] Re: mobile installation in a hatchback or station wagon

From: John Kraus <jfkraus2@cox.net>
Date: Sat, 30 Nov 2002 18:00:22 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: aprssig@tapr.org
Message-ID: <LYR842-109128-2002.11.30-17.45.28--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

```
I prefer the NMO as a more rugged and water tight mount than the SO-239 type.

An acceptable alternative if you are using NMO or want to is to keep some
NMO to SO 239 adapters.

To see one look here:

http://www.pl-259.com/page5.html


>> As to the antenna - use an NMO type mount,
>
>  Might I respectfully suggest an SO-239/PL-259 mount if you are active
>in emergency/ARES operations?




---
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```

671. [aprssig] Re: Radio Shack Sales Clerk

From: psschwarz@kellnet.com
Date: Sat, 30 Nov 2002 23:14:15 GMT
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-109132-2002.11.30-18.08.20--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

```
Mike Yetsko writes:

>> In defense of RS, there are stores with employees that care about their
> job
>> and actually try to help people.   There are several in this area.  It
> is
>> hard to
>> employ someone in that position for any length of time and it has less
> to do
>> with the paycheck than it does to do with the way customers tend to
> treat
>> any service person they see.
>
> Boy do I agree with this!!  In addition to the examples you mention are
> the 'brain proud' idiots (I'd say something else in private) who go into
> RS seeminging on an agenda of trying to prove how much more they
> know than the employee.
>
> Mike

I'll give you both your comments and add one:

I purchased the last of stock of capacitors a local store had only to find
out that I purchased the wrong type. Mind you, this was a "cash" purchase
and I refuse to ever give them my address as I am tired of receiving their
flyers. Anyway, when I returned them the manager insisted that I give him my
address because their cpu system doesn't allow cash refunds. After a few
minutes of discussing with him that the sale was a "cash" sale and that I
gave no address to make the purchased that the reciprocal refund also needed
no address. It took a threat to make a phone call to corporate headquarters
that prompted him to make the refund without an address. And I did have the
sales receipt.

All in all, Radio Shack means well, and for small electronics projects (and
emergency parts for certain audio projects) I don't mind spending a few
```

bucks rather than waiting for a mail order.

Patrick...

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672. [aprssig] HTX-252 to PK900 interface cable <LYR28261-109101-2002.11.30-13.09.17--millardj#earthlink.net@lists.tapr.org>

From: Jay Millard <millardj@earthlink.net>
Date: Sat, 30 Nov 2002 18:31:22 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-109133-2002.11.30-18.16.10--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

I tried the best I could to do due diligence and searched the APRSSIG archives for the answer to no avail so I'm asking one and all:

Taking advice(?) on the cheap price of the HTX-252 at Radio Shack (I bought two) for running packet and/or APRS. The pinout diagram on Buck's website (http://www.packetradio.com/!TNCables/a232rs252.gif)shows a resistor and capacitor on the PTT and TX audio leads respectively but gives no values for them. With circuits never my strong suit, could I ask some knowledgeable person's help please in solving this problem of values. I wish to interface the HTX-252 with a PK-900. Any other advice you wish to dispense will be cheerfully accepted.

Thanks in advance.

73's

Jay
KD1LY
EC/RC Darien, CT
American Red Cross

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673. [aprssig] Re: Business 101

From: psschwarz@kellnet.com
Date: Sat, 30 Nov 2002 23:26:53 GMT
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-109134-2002.11.30-18.21.11--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Gregg G. Wonderly writes:

\>>And I added that they also announced that they intend on dropping the
\>>asking of your name and address when you make low dollar cash purchases,
\>>something people have been complaining about for over 30 years.
>
> I always tell the clerk "I just need to pay".
>
> They move on and after a while, these clerks stop asking me...

I've been around just shy of 32 years, but I was never asked for my address until a bomb downed the flight over Lockerby, Scotland. I was told that they needed addresses in case of a similar incident. That was the last time I ever gave it to them because I was always given a different story. Seems they'll do anything to find out where you live to leverage their marketing tool: flyers.

Anyway, as I've mentioned in a similar post, Radio Shack means well. I just dislike their marketing ploy.

Patrick...

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674. [aprssig] Re: ADMIN: Re: Radio Shack Sales Clerk, Business 101, ad nuseaum

From: Alex <kr1st@amsat.org>
Date: Fri, 29 Nov 2002 00:27:13 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: TAPR APRS Special Interest Group <aprssig@lists.tapr.org>
Message-ID: <LYR842-109155-2002.11.30-21.17.13--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Great, Stan takes care of business _before_ complaints start. We all can learn from him.

Stan Horzepa wrote:
>
> Please stop and desist

Cease and desist....ad nuseaum or ad nuisance, that's the question. I know the answer.

73,
--Alex KR1ST

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---

675. [aprssig] aprs dos question

From: "dave" <k0pwo@attbi.com>
Date: Sat, 30 Nov 2002 19:50:29 -0700
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-109160-2002.11.30-21.35.24--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Hello to the group.

I am new to aprs and to aprs dos program. I have one question regarding this particular program that I hope someone can help me with.

When I run aprs dos on my compaq 486 laptop, the program only uses the middle 2/3s of the available laptop screen. I does not use the upper or lower parts of the screen.

I have several other dos only programs on my laptop and they all work fine and use the entire screen.

This laptop is a 486 machine with only dos installed as the os. There is no windows on the computer.

Can anyhow help me here? How can I force the program to use all the screen. Are there some setting I need to change?

Thanks,

Dave

____
Dave Dean, K0PWO
k0pwo@attbi.com
Denver, CO

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---

676. [aprssig] HTX-10 on sale at..you know, That Store

From: Alex <kr1st@amsat.org>
Date: Fri, 29 Nov 2002 00:53:49 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-109161-2002.11.30-21.44.00--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

If lack of a radio has been keeping you away from exploring and participating in Beaconet on 10 meters (speaking of innovation!), Radioshack has the HTX-10 now on clearance for only 89 dollars. Excellent radio for the money, even if you want to do silly things on it like talking 'n stuff.

```
I'm in the process of building a stand alone beacon (meaning without a
PC) using a PSK31 PIC board ($25) and a timer circuit ($5). A picture of
this lil' project can be found at http://www.kr1st.com/board.jpg.
Nothing earth shattering, just fun! When the project is finished
(waiting on a reprogrammed processor) I'll set up a page  with a
complete project description.

73,
--Alex KR1ST

http://www.kr1st.com

---
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```

677. [aprssig] Software for Unix/SGI Irix v 6.5

From: "Ray McKnight - WB3ABN" <shortsheep@worldnet.att.net>
Date: Sat, 30 Nov 2002 19:01:48 -0800
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: <aprssig@tapr.org>
Message-ID: <LYR842-109163-2002.11.30-21.46.52--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

```
Is there any satellite tracking software available that will run under
IRIX?  Or ANY Amateur related stuff i.e. FFT decoders, etc.  I have a
few O2's sitting around looking for something useful to do other than
spin a 3-D logo around eating CPU ticks.

73's
Ray - WB3ABN
Kingston, WA


---
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```

678. [aprssig] Re: aprs dos question

From: "dave" <k0pwo@attbi.com>
Date: Sat, 30 Nov 2002 20:22:45 -0700
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-109164-2002.11.30-22.07.40--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

```
Joel, Thanks for the tip. I tried it. It made the map easier to read,
however, it still only uses the center 2/3's of the available screen. The
top and bottom 1/8 or maybe even closer to a 1/4 is not used by the program.
Once again. All of my other dos programs on this machine use the entire
screen. Any more thoughts on this.

Thanks,

Dave



________________________________
Dave Dean, K0PWO
k0pwo@attbi.com
Denver, CO


----- Original Message -----
From: "Joel Black" <w4jbb@charter.net>
To: "dave" <k0pwo@attbi.com>
Sent: Saturday, November 30, 2002 8:01 PM
Subject: Re: [aprssig] aprs dos question


> Press <F7>.  This toggles between low- and high-resolution.
>
> GL es 73,
>
> Joel Black, W4JBB
> w4jbb@charter.net
>
```

> "Uvajed - The overwhelming
> feeling that I've never been
> here before."
> -- Unknown
>
>
> ----- Original Message -----
> From: "dave" <k0pwo@attbi.com>
> To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
> Sent: Saturday, November 30, 2002 8:50 PM
> Subject: [aprssig] aprs dos question
>
>
> > Hello to the group.
> >
> > I am new to aprs and to aprs dos program. I have one question regarding
> > this particular program that I hope someone can help me with.
> >
> > When I run aprs dos on my compaq 486 laptop, the program only uses the
> > middle 2/3s of the available laptop screen. I does not use the upper or
> > lower parts of the screen.
> >
> > I have several other dos only programs on my laptop and they all work
fine
> > and use the entire screen.
> >
> > This laptop is a 486 machine with only dos installed as the os. There is
> no
> > windows on the computer.
> >
> > Can anyhow help me here? How can I force the program to use all the
> screen.
> > Are there some setting I need to change?
> >
> > Thanks,
> >
> > Dave
> >
> >
> > ________________________________
> > Dave Dean, K0PWO
> > k0pwo@attbi.com
> > Denver, CO
> >
> >
> > ---
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> >
>

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679. [aprssig] Re: mobile installation in a hatchback or station wagon

From: Bill Herrmann <bherrman@spro.net>
Date: Sat, 30 Nov 2002 20:23:31 -0700
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: Hamish Moffatt <hamish@cloud.net.au>
Message-ID: <LYR842-109165-2002.11.30-22.19.29--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

At 11:38 PM 11/30/02 +1100, Hamish Moffatt wrote:
>Does anyone have experience with installing radios (eg TM-D700A + GPS)
>into hatchbacks or station wagons? (Hope you know what type of car I'm
>talking about, as I'm not sure what terminology is used outside of
>Australia.)

Your terminology was right on, unless of course you mean a different type
of car than most of us are thinking of... <G>

A couple ideas I haven't seen yet amongst the many ideas.
[Radio Mounting]
Something I'm doing on mine (just got 'em mounted so I have no long term
data) is based on an idea I got from the car stereo guys. If your vehicle

happens to have an automatic transmission but is also available with a manual transmission take a look under the dash. Mine had 4 nice sturdy studs for mounting the clutch pedal assembly that I don't have. Since I don't have it there was a bunch of room there too. I mounted both radios vertically to encourage convective cooling. One has a thermally activated fan anyway, but I have room to add a fan if needed.

I originally looked at under the seats but found there were several large bundles of cables under both front seats and mine has vents for blowing air under the seats to heat/cool the rear seat passengers. (cooling seemed like a good idea, not so sure about heating the radios!) As others have mentioned mounting the radio to a piece of plywood cut to fit under the seats may be just the ticket. I used a variation of this for the temporary installation in the XYL's minivan and in my older car. The plywood is cut wide enough that it won't slide out (has to be tilted for installation) and has both a radio and TNC mounted to it.

Additional tip especially for occasional installations...
Check to see if you have a power seat connection present. Our minivan did not have power seats but sure enough had the wiring for one. Nice 30A fused always on connection... I used insulated spade connectors to add a short extension and my preferred connector on to the existing one because I couldn't find the connector locally. Yeah, running your own wires has advantages but getting anything through the firewall of this particular vehicle is miserable. I also ran a feedline from under the seat to the back of the van and terminated it in a socket.

All I have to do to become radio-equipped is slide the radio board under the front seat, hook up power, hook up antenna and place the face plate in the pocket. At the back of the van I slap the magmount antenna on the roof, drop the feedline through the vent window and connect it to the pre-installed feedline extension. It works well enough that I've used it to contact PCSAT.

Oh - On the "temporary" installation the faceplate is mounted to a square of aluminum that fits into the pocket on the dash. I've got a bunch of weight (steel shot in 2 tubes) on that square to help it stay put. On my rig I've removed that pocket and built a little shelf of aluminum angle that will hold the faceplate and TNC. (The TNC sits completely behind the faceplate.) I got a square of ABS plastic from the car stereo guys that I'll cut to fit around the faceplate and fill the opening. There's just enough room that I should be able to have the mike hanger there too.

Bill

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680. [aprssig] Re: mobile installation in a hatchback or station wagon

From: Bill Herrmann <bherrman@spro.net>
Date: Sat, 30 Nov 2002 20:26:34 -0700
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-109166-2002.11.30-22.19.48--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

At 04:23 PM 11/30/02 -0500, David VanHorn wrote:
>A basic adaptor set should be in everyone's go-kit.

Most definitely.

>I intend to make up some powerpole to clip leads or something similar, for
>that end of it too.

Those are good to have. I also made up a powerpole to banana plug adapter that makes it really handy to plug my voltmeter in. Has saved me from needing another hand more than once.

Bill

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681. [aprssig] Re: mobile installation in a hatchback or station wagon

From: David VanHorn <dvanhorn@cedar.net>
Date: Sat, 30 Nov 2002 22:38:02 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-109167-2002.11.30-22.24.42--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

>
\>Those are good to have. I also made up a powerpole to banana plug adapter that makes it really handy to plug my voltmeter in. Has saved me from needing another hand more than once.
>
\>Bill

Those things scare me, which is probably why I haven't done the cliplead things either. Sticky-outies
with +12V on them are not a good idea.

---
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682. [aprssig] Re: Software for Unix/SGI Irix v 6.5

From: David L Norris <kg9ae@webaugur.com>
Date: 30 Nov 2002 23:24:37 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: "TAPR APRS Special Interest Group <aprssig@lists.tapr.org>
<LYR26593-109163-2002.11.30-21.46.52--kg9ae#webaugur.com@lists.tapr.org>"
<LYR26593-109163-2002.11.30-21.46.52--kg9ae#webaugur.com@lists.tapr.org>
Message-ID: <LYR842-109170-2002.11.30-23.09.28--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

On Sat, 2002-11-30 at 22:01, Ray McKnight - WB3ABN wrote:
> Is there any satellite tracking software available that will run under
> IRIX? Or ANY Amateur related stuff i.e. FFT decoders, etc. I have a
> few O2's sitting around looking for something useful to do other than
> spin a 3-D logo around eating CPU ticks.

Might look at some of this software:
  http://radio.linux.org.au/?sectpat=All&ordpat=title

Some prebuilt packages for various things; and a little ham radio stuff:
  http://freeware.sgi.com/

Sound related stuff (FFT, etc) may not work without some code changes.
I'm not familiar enough with Irix to know. Seems like everyone has
their own slightly different ways of doing audio on Unix.

If nothing else a neat OpenGL greyline callsign map for your X root! ;-)
  http://xplanet.sourceforge.net/

--
 David Norris, ARS: KG9AE
  KG9AE's Web - http://www.webaugur.com/dave/kg9ae/
  ICQ - 412039

---
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---

683. [aprssig] Saving PalmAPRS logs

From: wa4ikq@nevets.oau.org (Geoffrey Dick)
Date: Sat, 30 Nov 2002 23:36:52 -0500 (EST)
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-109171-2002.11.30-23.25.01--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Has anyone found a way to save a PalmAPRS log file?

My Palm IIIxe has 625 stations stored in it from a round
trip to Cleveland, Ohio, Beaver Falls, Pa. and Orlando,
FL. in this last week of November.   Before clearing the
Palm for another trip, I would like to save the record somehow.

Any ideas?

Geoffrey Dick, wa4ikq

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December 2002

Original source file: aprssig.0212
Source: http://ftp.tapr.org/tapr_history/SIG_Archives/aprssig/mail_archive/aprssig.0212

1. [aprssig] Palm Pilot Support APRS

From: Chuck Gooden <cgooden@insightbb.com>
Date: 01 Dec 2002 01:00:20 -0600
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-109192-2002.12.01-01.45.19--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

```
I need to make my Christmas wish list and was wondering which of the
Palm Pilots will support APRS.  I seem to recall there was some issues
about memory and needing to upgrade before APRS would work some time
ago.

Also could some one tell me if the RDF capabilities of APRS are
supported in the Palm Pilots.

Thanks,




---
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```

2. [aprssig] Re: HTX-10 on sale at..you know, That Store

From: "Jason Rausch" <ke4nyv@msn.com>
Date: Sun, 1 Dec 2002 1:34:48
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-109195-2002.12.01-02.19.29--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

```
Dead link Alex.  I would like to see this.  I have a extra HTX-10 that I
might give the same try with.  I'll attempt it with a PIC as well, I guess
:o)

73's
Jason KE4NYV
www.ke4nyv.com

---
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3. [aprssig] Definitions Needed.

From: Ken Collins <g4fip@btinternet.com>
Date: Sun, 1 Dec 2002 10:17:30 +0000
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-109199-2002.12.01-05.41.47--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

```
I need the address of a Web site which hosts the definitions for the 'q'
codes used on the IS, e.g., qAr, qAS, etc.

I did have a copy but unfortunately I've lost it.   :-(

Thanks!


--
Ken Collins - G4FIP
E-mail:- g4fip@btinternet.com
http://www.btinternet.com/~g4fip


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```

4. [aprssig] Re: mobile installation in a hatchback or station wagon

From: Hamish Moffatt <hamish@cloud.net.au>
Date: Sun, 1 Dec 2002 23:16:33 +1100
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-109200-2002.12.01-07.01.16--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

```
On Sat, Nov 30, 2002 at 02:09:41PM -0500, David VanHorn wrote:
> Some cars have a tremendous amount of room in their center consoles that is totally wasted.  A friend
just installed a D700 there, and has room for about two more without crowding.

Is that space visible, or behind the panels? My new car doesn't have any
spare panel space; I'm still trying to work out where to put the remote
head for the D700A.

Hamish
--
Hamish Moffatt VK3SB <hamish@debian.org> <hamish@cloud.net.au>

---
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```

5. [aprssig] Re: mobile installation in a hatchback or station wagon

From: David VanHorn <dvanhorn@cedar.net>
Date: Sun, 01 Dec 2002 07:20:41 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-109201-2002.12.01-07.13.12--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

```
At 11:16 PM 12/1/2002 +1100, Hamish Moffatt wrote:
>On Sat, Nov 30, 2002 at 02:09:41PM -0500, David VanHorn wrote:
>> Some cars have a tremendous amount of room in their center consoles that is totally wasted.  A friend
 just installed a D700 there, and has room for about two more without crowding.
>
>Is that space visible, or behind the panels? My new car doesn't have any
>spare panel space; I'm still trying to work out where to put the remote
>head for the D700A.

Depends greatly on the car.  He put the head in an overhead console (factory) thingy for a garage door
opener.


---
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```

6. [aprssig] Re: mobile installation in a hatchback or station wagon

From: Hamish Moffatt <hamish@cloud.net.au>
Date: Sun, 1 Dec 2002 23:47:23 +1100
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: TAPR APRS Special Interest Group <aprssig@lists.tapr.org>
Message-ID: <LYR842-109202-2002.12.01-07.32.27--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

```
On Sun, Dec 01, 2002 at 07:20:41AM -0500, David VanHorn wrote:
> At 11:16 PM 12/1/2002 +1100, Hamish Moffatt wrote:
> >On Sat, Nov 30, 2002 at 02:09:41PM -0500, David VanHorn wrote:
> >> Some cars have a tremendous amount of room in their center consoles that is totally wasted.  A
friend just installed a D700 there, and has room for about two more without crowding.
> >
> >Is that space visible, or behind the panels? My new car doesn't have any
> >spare panel space; I'm still trying to work out where to put the remote
> >head for the D700A.
>
> Depends greatly on the car.  He put the head in an overhead console (factory) thingy for a garage door
 opener.

I guess cars differ quite a bit from country to country.. I haven't seen
too many with overhead consoles (maybe in 4-wheel drives, which is what
we call your "SUVs"). For that matter I've never heard of a car with
powered seats!

Thanks everyone for your help.

Cheers
Hamish
--
Hamish Moffatt VK3SB <hamish@debian.org> <hamish@cloud.net.au>
```

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7. [aprssig] Re: HTX-10 on sale at..you know, That Store

From: Alex <kr1st@amsat.org>
Date: Sun, 01 Dec 2002 08:01:55 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: TAPR APRS Special Interest Group <aprssig@lists.tapr.org>
Message-ID: <LYR842-109203-2002.12.01-07.46.43--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

```
Dunno why it's a dead link for you. It seems to work for me. Try this
one:

http://www.qsl.net/kr1st/board.jpg

Thanks for mentioning it. Hope this works.

73,
--Alex KR1ST

http://www.kr1st.com


Jason Rausch wrote:
>
> Dead link Alex.  I would like to see this.  I have a extra HTX-10 that I
> might give the same try with.  I'll attempt it with a PIC as well, I guess
> :o)
>
> 73's
> Jason KE4NYV
> www.ke4nyv.com
>
> ---
> You are currently subscribed to aprssig as: kr1st@amsat.org
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```

8. [aprssig] Re: Definitions Needed.

From: Robbie <mwrobertson@attbi.com>
Date: Sun, 01 Dec 2002 07:58:40 -0600
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: TAPR APRS Special Interest Group <aprssig@lists.tapr.org>
Message-ID: <LYR842-109208-2002.12.01-08.43.00--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

```
Hi Ken, I go to this site when I need to get some info, but there
are others as well,

http://www.aprs-is.net/q.htm

Robbie,  wa9inf

Ken Collins wrote:
> I need the address of a Web site which hosts the definitions for the 'q'
> codes used on the IS, e.g., qAr, qAS, etc.
>
> I did have a copy but unfortunately I've lost it.   :-(
>
> Thanks!
>
>



---
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```

9. [aprssig] Re: mobile installation in a hatchback or station wagon

From: David VanHorn <dvanhorn@cedar.net>
Date: Sun, 01 Dec 2002 09:03:38 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: TAPR APRS Special Interest Group <aprssig@lists.tapr.org>
Message-ID: <LYR842-109213-2002.12.01-08.50.13--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

>
>I guess cars differ quite a bit from country to country.. I haven't seen too many with overhead consoles (maybe in 4-wheel drives, which is what we call your "SUVs"). For that matter I've never heard of a car with powered seats!

Cars with power seats are relatively common here, but both his and mine are SUV's. He has an F-150 truck, and I have the passenger version of same, the expedition.

---
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---

10. [aprssig] Re: Definitions Needed.

From: Ken Collins <g4fip@btinternet.com>
Date: Sun, 1 Dec 2002 14:07:16 +0000
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-109221-2002.12.01-08.53.45--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

In article <3DEA1590.1020101@attbi.com>, Robbie <mwrobertson@attbi.com> writes
\>Hi Ken, I go to this site when I need to get some info, but there are
\>others as well,

Thanks Robbie!!!

Exactly what I needed.   :-)

--
Ken Collins - G4FIP
E-mail:- g4fip@btinternet.com
http://www.btinternet.com/~g4fip

---
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---

11. [aprssig] Re: Mobile Car Seats

From: Larry McDavid <lmcdavid@lmceng.com>
Date: Sun, 01 Dec 2002 06:18:46 -0800
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: TAPR APRS Special Interest Group <aprssig@lists.tapr.org>
Message-ID: <LYR842-109222-2002.12.01-09.03.31--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Hamish Moffatt wrote:

> ... For that matter I've never heard of a car with
> powered seats!

Hello, Hamish

Mostly, I lurk on the APRS reflector; occasionally, I find something to which I can contribute. Your comment about powered seats aroused my professional interest!

I'm engineering manager for an automotive electronics company. Happens we manufacture
about 70% of the sensors used in "memory seats." Memory seats are a special subset of "powered seats." Memory seats not only have three (or, four) dc motors to move each seat around, they also have position sensors on each motion so that the intelligent, microprocessor-based controller can move the seat to position combinations unique to three or four different drivers.

True, these are found mostly on higher-priced cars. However, we ship millions of these sensors per year in many different versions. Each design is unique to a particular seat track (the mechanism that moves the seat) and sometimes to a car model. Hence, we have many automated production lines building many different sensors!

Think that decadent? We also build pedal position sensors for motor-positioned brake and accelerator pedals. Why move the pedals? Well, those short ladies who move their front seats forward so that their short legs can reach the pedals greatly endanger themselves by positioning their torsos against the steering wheel. Bang! goes the airbag; not a good thing. So, some cars now have memory-positioned pedals as well as seats. And, of course, also the outside rear view mirrors. I'm not kidding you!

We also built higher-technology sensors, especially electronic steering sensors. Cars are headed to drive-by-wire technology. Already a new GM truck/SUV steers the rear wheels (yes, the rear wheels!) electrically using a multi-turn rotary position sensor on the steering column. And, many (large) farm tractors are already steered only electrically using our steering sensors; gone is the mechanical or hydraulic connection to the steering wheel.

We even make quartz solid state gyroscopes used to determine where the vehicle is actually headed so that this direction can be compared to where the driver is telling the car to go; if different, electronics take over the anti-lock brakes to stop a presumed skid.

Used to be cars were mechanical. Today, cars have lots of electronics aboard!

Me? I drive a safe Volvo with manually-positioned seats. And, I don't move the seats around much, either! My ham equipment is mounted in the under-floor storage compartment in the rear of this station wagon, suspended from the underside of the access door.

Well, your comment about car seats just got my attention. I hope you don't mind the response!
--
Best wishes,

Larry McDavid W6FUB
Anaheim, CA (20 miles southeast of Los Angeles, near Disneyland)

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12. [aprssig] Re: Mobile Car Seats

From: David VanHorn <dvanhorn@cedar.net>
Date: Sun, 01 Dec 2002 09:40:09 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: TAPR APRS Special Interest Group <aprssig@lists.tapr.org>
Message-ID: <LYR842-109224-2002.12.01-09.31.45--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

>
>Larry McDavid W6FUB
>Anaheim, CA (20 miles southeast of Los Angeles, near Disneyland)

Anaslime! I used to live on Orangeood, near Harbour :)

As long as this is all done very carefully, I have no problem with it. Silicon and software is a lot less expensive than machined iron. Debacles like the 8-6-4 caddilac make me very nervous though.

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13. [aprssig] Re: HTX-10 on sale at..you know, That Store

```
From: Bob Bruninga <bruninga@usna.edu>
Date: Sun, 1 Dec 2002 11:04:58 -0500 (EST)
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: TAPR APRS Special Interest Group <aprssig@lists.tapr.org>
Message-ID: <LYR842-109232-2002.12.01-10.50.22--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain
```

```
On Fri, 29 Nov 2002, Alex wrote:

> If lack of a radio has been keeping you away from exploring and
> participating in Beaconet on 10 meters (speaking of innovation!),
> Radioshack has the HTX-10 now on clearance for only 89 dollars.

IF, and thats of course an "IF", then this radio will be a good uplink for
the PSK-31 Transpnder we plan on putting up next year.  Uplink SSB PSK-31
on 10 m and donwnlink on 70cm FM...
de WB4APR, Bob



---
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14. [aprssig] Re: mobile installation in a hatchback or station wagon

```
From: "Chris Rose" <kb8uih@arrl.net>
Date: Sun, 1 Dec 2002 11:28:11 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-109233-2002.12.01-11.12.57--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain
```

```
Hi,
I have to wonder what patrol car leaves an antenna unused to allow a mount
for your ham rig?  None of our locals have an unused antenna on their cars.
Budget 50 bucks for the mount and labor to mount it and multiply that by 40
cars?  $2000 bucks for unused equipment?  I have to beg your pardon on this
one.

A Motorola tech told me that the NMO mounts with 1/4 wave whips are for easy
replacement if they break.  Twist off the old base and put a new one on in
less than a minute.  Carwashes, tree branches, hoodlums, etc., that break
them make the NMO type a cheap alternative to other more costly systems for
an antenna.  Having the antenna break away saves the roof or trunk that they
are mounted in.

73,
Chris
KB8UIH

----- Original Message -----
From: "KC7ZRU - Tate" <kc7zru@arrl.net>
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Sent: Saturday, November 30, 2002 3:51 PM
Subject: [aprssig] Re: mobile installation in a hatchback or station wagon


> Good points there Randy - but, if all your agencies are using NMO as a
> standard, then the ham that shows up with PL-259/SO-239 is the 'odd man
> out'. It's VERY handy to be able to through a ham's 2m rig into a patrol
> car and simply 'plug 'n play' using an existing antenna mount.
>
> Plus - if it's good enough for the commercial, everyday emergency
> services world, there's likely a reason - maybe. Though it's likely to
> be strongly economically influenced as you referred.
>



---
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```

15. [aprssig] HTX-10 on sale...

```
From: Bob Bruninga <bruninga@usna.edu>
Date: Sun, 1 Dec 2002 12:31:30 -0500 (EST)
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: TAPR APRS Special Interest Group <aprssig@lists.tapr.org>
```

Message-ID: <LYR842-109242-2002.12.01-12.16.17--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

```
On Fri, 29 Nov 2002, Alex wrote:

> Radioshack has the [10m all mode] HTX-10 now on clearance for only $89
> Excellent radio for the money,....

Thanks! I just went out and got the last one at my local store. (Will come
in handy if we get to put our PSK-31 10m uplink trasnponder in orbit next
year.)
Also they have the MURS Business band mobiles on sale for $49
and FRS Basestations for $39
and FRS Mobiles with external roof-mount antennas for $29.

de WB4APR@amsat.org, Bob

PCsat WEB  page     http://www.ew.usna.edu/~bruninga/pcsat.html
ISS-APRS FAQ:       http://www.ew.usna.edu/~bruninga/iss-faq.html
CUBESAT Designs     http://www.ew.usna.edu/~bruninga/cubesat.html
APRS LIVE pages     http://www.ew.usna.edu/~bruninga/aprs.html
APRS SATELLITES     http://www.ew.usna.edu/~bruninga/astars.html
MIM/Mic-E/Mic-Lite  http://ssdl.stanford.edu/mims/



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```

---

16. [aprssig] RE: HTX-10 on sale...

From: "Matthew Stennett" <wa4tkg@iwon.com>
Date: Sun, 1 Dec 2002 14:13:55 -0500 (EST)
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: aprssig@lists.tapr.org
Message-ID: <LYR842-109258-2002.12.01-13.58.37--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

```
Maybe I'll get one to put on my Wilson 1000

magmount.   Would be cool to mobile around and

talk on 10 again....used to do that a LOT in

Okinawa, taling to people down in Guam/PI.

Mobile fun.

_______________________________________________
Can a Web portal forever change your life?
Win up to $25 Million on iWon - click here!
```

---

17. [aprssig] Re: mobile installation in a hatchback or station wagon

From: KC7ZRU - Tate <kc7zru@arrl.net>
Date: Sun, 01 Dec 2002 13:14:41 -0700
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: TAPR APRS Special Interest Group <aprssig@lists.tapr.org>
Message-ID: <LYR842-109264-2002.12.01-14.59.24--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

```
Chris,

Many different jurisdictions do things very differently than other
jurisdictions. Out here in Wyoming, our biggest city's PD - Casper -
would LOVE to have 40 vehicles. It ain't gonna happen until the rest of
Southern Cali moves out here and does more than just increase the tax
base.

Casper just converted from their existing VHF radio system to a brand
spanking new 800Mhz trunked (and encrypted) system ($3.5M). Boy, ya
should hear the scannist whine! All vehicles (PD and FD) required new
antennas and feed - least that's what the contract said. Contract also
stipulated new everything installed and several vehicles wanted to
retain their VHF capability - voila - 'surplus' mounts. It ain't a case
of the agencies installing standby mounts for us! (I wish!) It's a case
of using what's there - knowing your resources and adjusting your
go-kits to fit.
```

Another option:
Since *many* agencies install multiple radios with their own antennas, the chances of a ham finding an unused feedline and mount during an 'event' are not at all extreme. These same agencies very rarely use all their radios at any one event. Again - it's a 'get involved' with your local agencies, learn their procedures and see what's there for resources - plan ahead kind of deal. If you can reasonably anticipate you *may* have access to an existing mounting system - be ready for it. Why jury-rig up a 'make-do' that could be prone to 'mis-behavior' when a perfectly good option exists? Of course, that also means you have to be ready for there *NOT* being an existing system. It's called common sense.

1/4w whips on an NMO mount are often a technicians 'easy out'. If you're setting up a vehicle with the usual coil and whip and keep on getting a 'poor' match, guidance is to slap on a 1/4 wave. That'll help isolate as to whether or not you've screwed up the feedline someplace (common), have a FUBARd coil (rare) or are simply being an idiot about the whip length (it does happen). Also, for those officers that complain about the sound of dragging their longer whips on garage roofs, a 1/4w quiets their noise very nicely - on several levels. <g>

NMO mounts are commonly used due to a balance (read: compromise) of many factors: cost, effectiveness, ruggedness, availability, weatherization, cosmetics, ease of repair, manufacture's provision, conveyance, etc, etc.... As such, NMO's gained a 'perception' in the public service community as being a 'professional' system. Whereas PL-259/SO-239 is often un-justly seen as an amateurish 'make-do'. Something 'those CB types use'. Just ask your local APCO certified tech what a 'good mount' is.

73

Chris Rose wrote:
>
> Hi,
> I have to wonder what patrol car leaves an antenna unused to allow a mount for your ham rig? None of our locals have an unused antenna on their cars. Budget 50 bucks for the mount and labor to mount it and multiply that by 40 cars? $2000 bucks for unused equipment? I have to beg your pardon on this one.
>
> A Motorola tech told me that the NMO mounts with 1/4 wave whips are for easy replacement if they break. Twist off the old base and put a new one on in less than a minute. Carwashes, tree branches, hoodlums, etc., that break them make the NMO type a cheap alternative to other more costly systems for an antenna. Having the antenna break away saves the roof or trunk that they are mounted in.
>
> 73,
> Chris
> KB8UIH
>

```
--
              Casper, WY    |    CARC Repeater
                DN62tt      |      146.940
        "The Dungeon" online at http://go.to/kc7zru
            "RTFM" is NOT a 'four letter' word!
```

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Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

18. [aprssig] RE: HTX-10 on sale...

From: "Patrick Schwarz" <psschwarz@kellnet.com>
Date: Sun, 1 Dec 2002 15:52:35 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-109268-2002.12.01-15.36.12--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Does this radio support cw or just phone and packet? And has anyone used the Vectronics VEC-214 Iambic keyer paddle that RS has for $50? I would consider a package deal so I can get some cw experience...

Patrick...KB8RTZ...

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Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

19. [aprssig] Re: Software for Unix/SGI Irix v 6.5

From: "Curt Mills, WE7U" <archer@eskimo.com>
Date: Sun, 1 Dec 2002 13:25:34 -0800 (PST)
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: TAPR APRS Special Interest Group <aprssig@lists.tapr.org>
Message-ID: <LYR842-109274-2002.12.01-15.52.47--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

On Sat, 30 Nov 2002, Ray McKnight - WB3ABN wrote:

> Is there any satellite tracking software available that will run under
> IRIX? Or ANY Amateur related stuff i.e. FFT decoders, etc. I have a
> few O2's sitting around looking for something useful to do other than
> spin a 3-D logo around eating CPU ticks.

Xastir may work on it. Don't know of anyone who's tried it on IRIX,
but if you have GNU development tools on there it might work without
changes.

If you _do_ get it running on there and have changes, feed them to me
and we'll make it another supported platform.

Curt, WE7U.   archer@eskimo.com
http://www.eskimo.com/~archer
  Lotto: A tax on people who are bad at math. - unknown
Windows: Microsoft's tax on computer illiterates. - WE7U.

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Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

20. [aprssig] Re: mobile installation in a hatchback or station wagon

From: "Mark Fellhauer" <sparkfel@qwest.net>
Date: Sun, 01 Dec 2002 15:14:20 -0600
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-109275-2002.12.01-15.59.10--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

At 02:14 PM 12/1/02, KC7ZRU - Tate wrote:

>Casper just converted from their existing VHF radio system to a brand
>spanking new 800Mhz trunked (and encrypted) system ($3.5M). Boy, ya
>should hear the scannist whine!

It's too bad that only scanner enthusiasts find this trend
disturbing.   I'm very uncomfortable when I hear that US law enforcement
wants to operate in an environment that doesn't allow for public
scrutiny.   It seems to me that this presses a posse comitatus issue, but I
would be in the minority on that one.   I was living in Chicago when the PD
bought a tank and started using it against civilians - that disturbed
enough people that the courts stepped in.

I seem to recall that police officers involved in the Rodney King incident
incriminated themselves over their MDT system, becuase they thought it was
secure. Fortunately a few of those whiny scanner enthusiasts turned over
transcripts to the local press.

  What's next? Police officers with no name tags and wearing face masks
all the time?   I bet ya the Ashcroft crowd would love that, so I better
not give him any ideas...

73,

Mark
KC7BXS

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21. [aprssig] RE: HTX-10 on sale...

From: "Jason Rausch" <ke4nyv@msn.com>
Date: Sun, 1 Dec 2002 15:42:20
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-109276-2002.12.01-16.27.01--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

>>> cw or just phone and packet?

No CW out of the box, but there are a few mods I have seen on the web to
make the radio full break-in capable. I was kinda hoping to try it out and
do some mobile CW on 10 M from my truck. I typically work 10M phone, but I
would like to try my hand at some CW and maybe learn it all over again.
(I'm just glad I passed my code way back when and got it over with!)

73's
Jason KE4NYV
www.ke4nyv.com

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22. [aprssig] Re: Turning a MDT-870 into a APRS station

From: "Kurt A. Freiberger" <kurt@badgers-hill.net>
Date: Sun, 1 Dec 2002 15:49:19 -0600
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-109277-2002.12.01-16.35.13--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

On Wed, 20 Nov 2002 09:35:40 -0600
"Mark Fellhauer" <sparkfel@qwest.net> wrote:

> Yes. I think the best recomnedation is to throw them in a dumpster and
> send them on their way to a landfill... Trying to convert an aged MDT
> into an APRS terminal is like trying to convert a 1974 Ford Pinto into an
> airplane.

You must've missed the Pinto airplane, then. Used in a few movies, one of them a James Bond flick
(don't remember the title). Very neat little beastie. Highly impractical, but very elegant.
Good thing there aren't many rear-end collisions in the air! 8-}

73/Kurt

--
Kurt A. Freiberger   Austin, TX   kurt@badgers-hill.net
Amateur Radio Callsign WB5BBW   AIM Handle: WB5BBW
512/251-0759 (home)   512/970-7026 (cell)
NOTE: My address has changed from WB5BBW@AIRMAIL.NET. Please
      update your address book.

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23. [aprssig] Re: Turning a MDT-870 into a APRS station

From: "Ken Cechura" <kcechura@umr.edu>
Date: Sun, 1 Dec 2002 15:54:22 -0600
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-109278-2002.12.01-16.39.17--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Or send some MDTs to me.... I'll take them off your hands for no cost
:)

-----Original Message-----
From: bounce-aprssig-22012@lists.tapr.org
[mailto:bounce-aprssig-22012@lists.tapr.org] On Behalf Of Kurt A.
Freiberger
Sent: Sunday, December 01, 2002 3:49 PM
To: TAPR APRS Special Interest Group

Subject: [aprssig] Re: Turning a MDT-870 into a APRS station

On Wed, 20 Nov 2002 09:35:40 -0600
"Mark Fellhauer" <sparkfel@qwest.net> wrote:

> Yes.   I think the best recomnedation is to throw them in a dumpster
and
> send them on their way to a landfill...   Trying to convert an aged
MDT
> into an APRS terminal is like trying to convert a 1974 Ford Pinto into

> an
> airplane.

You must've missed the Pinto airplane, then. Used in a few movies, one of them a James Bond flick (don't remember the title). Very neat little beastie. Highly impractical, but very elegant. Good thing there aren't many rear-end collisions in the air! 8-}

73/Kurt

--
Kurt A. Freiberger   Austin, TX   kurt@badgers-hill.net
Amateur Radio Callsign WB5BBW   AIM Handle: WB5BBW
512/251-0759 (home)   512/970-7026 (cell)
NOTE: My address has changed from WB5BBW@AIRMAIL.NET. Please
      update your address book.

You are currently subscribed to aprssig as: kcechura@umr.edu
To unsubscribe send a blank email to leave-aprssig-842K@lists.tapr.org
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---
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Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

---

24. [aprssig] Re: Turning a MDT-870 into a APRS station

From: "Mark Fellhauer" <sparkfel@qwest.net>
Date: Sun, 01 Dec 2002 17:19:46 -0600
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: aprssig@tapr.org
Message-ID: <LYR842-109298-2002.12.01-18.04.33--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

At 03:49 PM 12/1/02, Kurt A. Freiberger wrote:
>On Wed, 20 Nov 2002 09:35:40 -0600
>"Mark Fellhauer" <sparkfel@qwest.net> wrote:
>
> > Yes.   I think the best recomnedation is to throw them in a dumpster and
> > send them on their way to a landfill...   Trying to convert an aged MDT
> > into an APRS terminal is like trying to convert a 1974 Ford Pinto into an
> > airplane.
>
>You must've missed the Pinto airplane, then. Used in a few movies, one of
>them a James Bond flick (don't remember the title). Very neat little
>beastie. Highly impractical, but very elegant.
>Good thing there aren't many rear-end collisions in the air! 8-}

That was the joke, a Pinto was never a very good car and a worse airplane. I seem to recall that the actual marriage of the Pinto and a Cessna Skymaster crashed after just a few short flights.   The Pinto separated from the wing package in the air, killing both guys who started the company.   The concept was called the Mizar or Mitzar depending on who you talk to.

The company that did this was called Advanced Vehicle Engineers out of Van Nuys, CA.

http://www.fordpinto.com/mitzar1.htm

http://www.fordpinto.com/mitzar2.htm

http://www.fordpinto.com/mitzar3.htm

```
The car/plane used in the Bond movie - "Man with the Golden Gun," was an
AMC Matador.  It was jet powered and it never really flew - all flying
shots were miniature models.   The other car that did the spectacular 360
rolling jump in that movie was an AMC Hornet.    Pretty blue collar for
international "spies"...    I just can't see James Bond driving a Gremlin
or a Pacer.  ;)   Well maybe Roger Moore.

My other question about Bond movies is why do they always need super
computer and an antenna the size of Aricebo to program the city destroying
satellite?   Couldn't they just use an Arrow II antenna, an HT, and a Palm
Pilot?


73,

Mark
KC7BXS

Where's my flying car? ...I was promised flying cars...



---
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```

---

25. [aprssig] Re: mobile installation in a hatchback or station wagon

From: KC7ZRU - Tate <kc7zru@arrl.net>
Date: Sun, 01 Dec 2002 18:03:01 -0700
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-109305-2002.12.01-19.47.52--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

```
Oh Mark - believe me there are those here with similar views - but I
couldn't find a way to link that to APRS for the SIG.

73

Mark Fellhauer wrote:
>
> At 02:14 PM 12/1/02, KC7ZRU - Tate wrote:
>
> >Casper just converted from their existing VHF radio system to a brand
> >spanking new 800Mhz trunked (and encrypted) system ($3.5M). Boy, ya
> >should hear the scannist whine!
>
> It's too bad that only scanner enthusiasts find this trend
> disturbing.   I'm very uncomfortable when I hear that US law enforcement
> wants to operate in an environment that doesn't allow for public
> scrutiny.

--
              Casper, WY    |    CARC Repeater
                DN62tt      |      146.940
        "The Dungeon" online at http://go.to/kc7zru
            "RTFM" is NOT a 'four letter' word!

---
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```

---

26. [aprssig] 30m Tranceiver

From: "Eric Christensen" <christensene@mebtel.net>
Date: Sun, 1 Dec 2002 22:48:02 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-109310-2002.12.01-22.33.16--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

```
Does anyone know of a 30 meter monoband transceiver suitable for
mobile use for APRS (and other digital purposes)?

Thanks,
Eric KF4OTN


---
```

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27. [aprssig] hi-res maps

From: "Glen Briggs A.K.A. wx" <northmoguy@grundyec.net>
Date: Sun, 01 Dec 2002 21:49:15 -0600
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-109311-2002.12.01-22.34.31--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

could you point me to where i could find hi-res maps of missouri

(maps i'm refering to, are showing up on map list as type 1.00)
Thanks for your time,

Glen Briggs
northmoguy@grundyec.net

KB0RPJ
Grundy County Amateur Radio Emergency Service Coordinator.
ARRL Member
North Central Missouri Skywarn Net Control Station

Find me on IRC via Austnet or DALnet as wx

http://world.std.com/~dhart/austnet/ - Weather Chat
http://www.qsl.net/kb0rpj/skywarn   - My Homepage

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28. [aprssig] Re: Mobile Car Seats

From: "Doug Younker" <dougy@ruraltel.net>
Date: Mon, 2 Dec 2002 00:24:55 -0600
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-109323-2002.12.02-01.26.58--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

----- Original Message -----
From: "David VanHorn" <dvanhorn@cedar.net>
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Sent: Sunday, December 01, 2002 8:40 AM
Subject: [aprssig] Re: Mobile Car Seats

:
: >
: >Larry McDavid W6FUB
: >Anaheim, CA (20 miles southeast of Los Angeles, near Disneyland)
:
:
: Anaslime! I used to live on Orangeood, near Harbour :)
:
: As long as this is all done very carefully, I have no problem with it.
Silicon and software is a lot less expensive than machined iron. Debacles
like the 8-6-4 caddilac make me very nervous though.

I'm no engineer but I'm guessing the machined iron will still be needed and even possibly more of it. Surely some hydraulic or electric motor/servo will be needed to do the actual work even if it's controlled by some sort of electronic sensor on the steering wheel. for some time there have been tractors that have no mechanical control of the steering just relying on hydraulics. Engine dies or the tractor is in a position the pump can't pick up enough fluid= no steering. Been there done that. Only a strange feeling at near 0 speed but a terrifying thought at 80 mph.--73
Doug, N0LKK
dougy@ruraltel.net

```
---
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```

29. [aprssig] Question about path entry

From: "Chris van Gorp" <pd0rhm@amsat.org>
Date: Mon, 2 Dec 2002 1:59:59
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-109326-2002.12.02-02.44.44--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

```
Hi,

can anybody help me with the qAr entry in the path.
How does it come there and what is it's purpose?

example from findu:
Raw packet: PD0RHM-9>U1UUW2,PD2BS-1*,WIDE,qAr,PD2WDR-1:'z2Rm#Q>/]"3j}

Thanks in advance.

73 Chris PD0RHM
---
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Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org
```

30. [aprssig] Re: Question about path entry

From: KC7ZRU - Tate <kc7zru@arrl.net>
Date: Mon, 02 Dec 2002 01:09:00 -0700
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: TAPR APRS Special Interest Group <aprssig@lists.tapr.org>
Message-ID: <LYR842-109328-2002.12.02-02.53.42--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

```
Sure Chris,

http://www.aprs-is.net/q.htm  is what you're looking for.

(We really need to get a FAQ together folks - this one would be number
1)

73

Chris van Gorp wrote:
>
> Hi,
>
> can anybody help me with the qAr entry in the path.
> How does it come there and what is it's purpose?
>
> example from findu:
> Raw packet: PD0RHM-9>U1UUW2,PD2BS-1*,WIDE,qAr,PD2WDR-1:'z2Rm#Q>/]"3j}
>
> Thanks in advance.
>
> 73 Chris PD0RHM


--
        "The Dungeon" online at http://go.to/kc7zru
              Casper, WY    |    CARC Repeater
                DN62tt      |      146.940-
                 http://www.trib.com/~carc

---
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Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org
```

31. [aprssig] Re: Question about path entry

From: "Chris van Gorp" <pd0rhm@amsat.org>
Date: Mon, 2 Dec 2002 2:46:25
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-109329-2002.12.02-03.31.04--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

```
Thank you very much.
I knew it had something to do with IGATE but was sure anymore.
73 Chris

---
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```

32. [aprssig] Re: Question about path entry

```
From: Alex <kr1st@amsat.org>
Date: Mon, 02 Dec 2002 08:00:55 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-109338-2002.12.02-07.43.38--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain
```

```
KC7ZRU - Tate wrote:

> (We really need to get a FAQ together folks - this one would be number
> 1)

Seeing all the recurring discussions about path setting, that would be
an excellent idea. You volunteering? There used to be an aprshelp.com
site but it seems to have gone belly up. I think I read once that it was
going to be moved to a different server, but that didn't happen I guess.

73,
--Alex KR1ST

http://www.kr1st.com (FAQless, FACTless, CLUEless)

---
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```

33. [aprssig] Need WY and DE via ISS packet (fwd)

```
From: Bob Bruninga <bruninga@usna.edu>
Date: Mon, 2 Dec 2002 08:23:43 -0500 (EST)
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-109343-2002.12.02-08.08.31--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain
```

```
---------- Forwarded message ----------
From: K. G. Ransom <ransomk@yahoo.com>
Reply-To: N5VHO@AMSAT.Org

I'm looking for any stations in Wyoming and Delaware
to help me finish out my goal of working all of the
lower 48 states via the International Space Station
digipeater.

Please contact me to arrange a sked or let me know of
any stations in those state so I can keep an lookout
for them.

VE4, VE5 and VE6 stations would be an added bonus.

Thank you and 73,
Kenneth - N5VHO

__________________________________________________
Do you Yahoo!?
Yahoo! Mail Plus - Powerful. Affordable. Sign up now.
http://mailplus.yahoo.com
----
Via the sarex mailing list at AMSAT.ORG courtesy of AMSAT-NA.
To unsubscribe, send "unsubscribe sarex" to Majordomo@amsat.org


---
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Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org
```

34. [aprssig] Re: mobile installation in a hatchback or station wagon

```
From: larry Also <larrytooalso@yahoo.com>
Date: Mon, 2 Dec 2002 10:00:05 -0800 (PST)
```

To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: Hamish Moffatt <hamish@cloud.net.au>
Message-ID: <LYR842-109366-2002.12.02-12.44.49--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

```
On a similar note, the Ford/Mazda long cab PU's have a nifty mounting space behind the jumpseats for
remote mounted radio gear.
 Bill Herrmann <bherrman@spro.net> wrote:At 11:38 PM 11/30/02 +1100, Hamish Moffatt wrote:
>Does anyone have experience with installing radios (eg TM-D700A + GPS)
>into hatchbacks or station wagons? (Hope you know what type of car I'm
>talking about, as I'm not sure what terminology is used outside of
>Australia.)

Your terminology was right on, unless of course you mean a different type
of car than most of us are thinking of...



---------------------------------
Do you Yahoo!?
Yahoo! Mail Plus - Powerful. Affordable. Sign up now
```

35. [aprssig] N0HZN homepage

From: "Sergio Matias" <ct2hmn@clix.pt>
Date: Mon, 2 Dec 2002 21:30:37 -0000
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-109370-2002.12.02-16.15.39--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

```
Can anyone send me the actual link to N0HZN homepage?
The one I have here (http://members.aol.com/n0hzn/) doesn't exist anymore..

---
Sergio Matias - CT2HMN


---
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```

36. [aprssig] APRS using GPRS

From: "Darryl Smith" <Darryl@radio-active.net.au>
Date: Tue, 3 Dec 2002 08:45:06 +1100
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-109372-2002.12.02-16.31.40--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

```
Hi There...

Does anyone have any experience with GPRS and APRS? I would love to
experiment with it

Darryl

---------
Darryl Smith, VK2TDS   POBox 169 Ingleburn NSW 2565 Australia
Mobile Number 0412 929 634 [+61 4 12 929 634 International]
Darryl@radio-active.net.au | www.radio-active.net.au



---
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Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org
```

37. [aprssig] GPS Drawing

From: "The Hildebrands" <b.hildebrand@verizon.net>
Date: Mon, 2 Dec 2002 14:54:20 -0800
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-109375-2002.12.02-17.39.31--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

```
For those with too much time on their hands,  there is GPS drawing.  Perhaps, we should have "tracker"
drawings.

http://www.gpsdrawing.com/gallery.htm
```

Brent KH2Z

---
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Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

38. [aprssig] Re: GPS Drawing

From: "Ben Stienstra" <bennys@xs4all.nl>
Date: Tue, 3 Dec 2002 00:04:48 +0100
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-109376-2002.12.02-17.49.26--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Haha, cool ;-)

----- Original Message -----
From: "The Hildebrands" <b.hildebrand@verizon.net>
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Sent: Monday, December 02, 2002 11:54 PM
Subject: [aprssig] GPS Drawing

> For those with too much time on their hands, there is GPS drawing.
Perhaps, we should have "tracker" drawings.
>
> http://www.gpsdrawing.com/gallery.htm
>
> Brent KH2Z
>
> ---
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> To unsubscribe send a blank email to leave-aprssig-842K@lists.tapr.org
> Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org
>
>

---
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Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

39. [aprssig] FRS & GMRS

From: Joe Mayenschein <mayen1@mwt.net>
Date: Mon, 02 Dec 2002 17:24:22 -0600
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-109377-2002.12.02-18.03.51--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Now I'm not trying to open a new can of worms, But remember when I was
asking if it was legal to run APRS on the FRS or GMRS bands?

And I got a resounding No from the group.

So I'm a bit confused right now, especially with the FRS rigs where I
was told that Digital was not allowed in any way.

The reason for bringing this up was yesterday I was watching Tech-TV and
they had their top twenty gifts, and someplace on the list were these
two FRS radios, with built in GPS's! full displays ,, mapping stuff and
you can send your position to other users too,, check out the site
below,
http://www.gps4fun.com/gar_rino.html

It says,,
Introducing
GARMIN INTERNATIONAL
RINO 110/120
GPS-Integrated FRS/GMRS Radios

KEEP IN TOUCH - KNOW WHERE YOUR FAMILY
IS IN THE WOODS OR AT THE PARK

GARMIN International is proud to introduce its
first two
GPS-enabled handheld devices for the Family Radio
Service
(FRS) and high-performance General Mobile Radio

Service
(GMRS) markets the Rino 110 and Rino 120. These
GPS
devices integrate radio functionality to provide
two-way
communications up to two miles using FRS channels
and up to
five miles using GMRS channels.

Inspired by the distinctive offset FRS and GPS
antennas that give
the devices their Rhinoceros-like appearance,
GARMIN designed
the Rino series as powerful, robust Radios
Integrated with
Navigation for the Outdoors. They are also the
only
waterproof two-way GPS radios on the market.

What really separates the Rino from the rest of
the FRS/GMRS herd is the ability to
"beam" your exact location to another Rino user
within a two-mile range. This is called
Peer-to-Peer Positioning (see below for additional
information).

The Rino boasts GARMINs traditional tough,
lightweight, waterproof design to handle the
rigors of any outdoor adventure. And because the
Rino has standard FRS capabilities, you
can talk to friends or family who own conventional
FRS radios.

So what's going on here? is APRS legal now on the FRS bands?

Joe

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Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

---

40. [aprssig] Re: FRS & GMRS

From: "Jason Rausch" <ke4nyv@msn.com>
Date: Mon, 2 Dec 2002 19:9:7
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-109396-2002.12.02-19.53.49--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Yes, this is true. I have been checking these units out for some time now
waiting for them to come out. I would like to get my hands on one just to
see what "data format" is being used and see what is required to decode it.
Potentially some kind of spin off of 1200 baud packet or maybe even
faster!

If you pay attention, several venues including Tech TV mention that the
data positioning is "still pending FCC approval". I can't see how it's
pending yet the units are being sold already.

I mean how many times have you seen a really great new piece of ham gear,
but it's only there in the ad for the pre-interested because the FCC has
yet to approve it for use in the US? But on the same side, you can't buy
it yet for use.

I'm afraid that the FRS/GMRS spectrum is quickly becoming a new citizen's
band. Have you listened to the traffic and activity on them in any heavily
populated areas? But that is a side issue that really has nothing to do
with us hams.

I plan to buy on of these units as soon as the price drops (more than
likely shortly after Xmas). I actually use commercial Motorola SP50's for
FRS, their spectrum falls right in the FRS frequencies :o)

73's
Jason KE4NYV
www.ke4nyv.com

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Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

41. [aprssig] Re: FRS & GMRS

From: "Mark Fellhauer" <sparkfel@qwest.net>
Date: Mon, 02 Dec 2002 19:26:13 -0600
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-109398-2002.12.02-20.11.11--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

At 05:24 PM 12/2/02, Joe Mayenschein wrote:

>And I got a resounding No from the group.

Garmin and Audiovox got a special waiver from the FCC. GPS positioning can only be sent from the FRS side of the radio and I believe it has to be intitiated manually.

73,

Mark
KC7BXS

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Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

42. [aprssig] QRP 440 rig for 9600 baud backbone, who makes one?

From: "Kriss Alan Kliegle" <kliegle@rcn.com>
Date: Mon, 2 Dec 2002 20:7:58
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-109402-2002.12.02-20.52.42--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Anyone know of a mfg of a 440 rig capabable of 9600 bd for a backbone
link?
It needs to be QRP on RX especially, since we run a 100% solar powered
voice repeater and APRS WX Digi. Mobile rig's consume too much power in
RX.
Any ideas from those who dabble in 9600 bd packet?

73 de Kriss
KA1GJU EC East Rockingham Co NH

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Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

43. [aprssig] Re: QRP 440 rig for 9600 baud backbone, who makes one?

From: "Ronald Reams" <wa4mjf@worldnet.att.net>
Date: Mon, 2 Dec 2002 21:15:06 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: "APRS Sig" <aprssig@lists.tapr.org>
Message-ID: <LYR842-109403-2002.12.02-21.01.10--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

The IC-207 which is on special for $249.95 sez
in the specs that it has a 6 pin connector on the
rear to accept a 9K6 TNC.

73 de Ronnie

----- Original Message -----
From: "Kriss Alan Kliegle" <kliegle@rcn.com>
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Sent: Monday, December 02, 2002 20:00
Subject: [aprssig] QRP 440 rig for 9600 baud backbone, who makes one?

Anyone know of a mfg of a 440 rig capabable of 9600 bd for a backbone
link?
It needs to be QRP on RX especially, since we run a 100% solar powered

```
voice repeater and APRS WX Digi. Mobile rig's consume too much power in
RX.
Any ideas from those who dabble in 9600 bd packet?

73 de Kriss
KA1GJU EC East Rockingham Co NH




---
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To unsubscribe send a blank email to leave-aprssig-842K@lists.tapr.org
Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org
```

44. [aprssig] Re: GPS Drawing

From: "Pat Karp" <pkarp@conwaycorp.net>
Date: Mon, 2 Dec 2002 20:43:27 -0600
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-109404-2002.12.02-21.29.38--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

```
Does this mean I've seen it all? LOL  Thanks for the link!

----- Original Message -----
From: "Ben Stienstra" <bennys@xs4all.nl>
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Sent: Monday, December 02, 2002 5:04 PM
Subject: [aprssig] Re: GPS Drawing


> Haha, cool ;-)
>
> ----- Original Message -----
> From: "The Hildebrands" <b.hildebrand@verizon.net>
> To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
> Sent: Monday, December 02, 2002 11:54 PM
> Subject: [aprssig] GPS Drawing
>
>
> > For those with too much time on their hands,  there is GPS drawing.
> Perhaps, we should have "tracker" drawings.
> >
> > http://www.gpsdrawing.com/gallery.htm
> >
> > Brent KH2Z
> >
> > ---
> > You are currently subscribed to aprssig as: bennys@xs4all.nl
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> > Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org
> >
> >
>
>
> ---
> You are currently subscribed to aprssig as: pkarp@conwaycorp.net
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>
>



---
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Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org
```

45. [aprssig] Re: FRS & GMRS

From: "Peter \"Dakota\" Summerhawk" <dakotas@dotorg.org>
Date: Mon, 2 Dec 2002 21:28:06 -0700
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-109407-2002.12.02-23.12.36--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

```
Doesn't MURS support the sending of APRS data? I seem to remember the thread
here a while ago.
```

46. [aprssig] Mobile Installation Ideas

From: Lee Besing <leeb@stic.net>
Date: Mon, 02 Dec 2002 23:30:14 -0600
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-109417-2002.12.03-00.14.08--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

I recently finished (re)installing mobile radios in my van and the wife's car.   In the case of my van, I bought one of those consoles that fit between my bucket seats and hid the radio body inside, with the remote head mounted in the front cup holder area. In fact, the particular model I used (from Steelhead) had a swivel mount for adjustable cup holders. I removed the mount, put a longer bolt up through the hole, and mounted the remote head on that bolt. I can now swivel the head back and forth to allow the driver or the passenger to handle the radio operations while viewing the control head at the proper angle.   I'd attach a photo, but I don't do that with list servers. :)   I drilled holes in the side of the interior compartment to allow wires and hot air to escape.   I used some short coax jumpers to get from the radios to the outside, hooked all the power to a single power block which I plan to connect with Anderson PowerPole connectors within the next couple of weeks. For now, it's hard wired direct to the battery and not easily portable. I added a 12vdc fan and switch (from that store) to allow extra ventilation during warm Texas summers, and mounted a pair of small speakers on the backside of the console to hear the audio better.   (2 radios - 1 ham, 1 CB = 2 speakers needed.)

Resulting installation looks professional and keeps my radios out of sight, out of mind, when someone looks into my vehicle.   Of course I have Ham license plates and a roof mounted (NMO) antenna that has a 12' clearance, so I'm not really in stealth mode. :)

With the wife's Toyota Camry, we put the body of the radio below the driver's seat (non-electric) and she velcroed the control head up on the dash to the right of the mileage reset button, which covers up the 130-140mph area of her speedometer.   She isn't too worried about not being able to see that portion of her speedometer for some reason. The only "problem" she had was the loose dangling cable from the control head, which we fixed by buying some adhesive cable clips from "that store".

Hope this experience helps someone else figure out what to do. Those remote control heads help tremendously when having to work with tight spaces.

____
73 de N5NTG Lee W. Besing San Antonio, Texas
(210)771-7075
____

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47. [aprssig] Re: FRS & GMRS

From: "Thomas M. Schaefer" <toms@xmission.com>
Date: Mon, 2 Dec 2002 23:21:17 -0700
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-109420-2002.12.03-01.06.07--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

That is how the Garmin Rhino works. A friend at work has 2 of them. You have to initiate the posit by transmitting - it does not get sent automatically. Of course, when it comes off of warranty, one could hook something up to automatically do it...(No latrine lawyer responses to that please).

They are really nice radios. I would love to find the protocol to see if I could link those posits up to FindU. That would be cool (as an experiment anyway).

Tom NY4I

----- Original Message -----
From: "Mark Fellhauer" <sparkfel@qwest.net>
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Sent: Monday, December 02, 2002 6:26 PM
Subject: [aprssig] Re: FRS & GMRS

> At 05:24 PM 12/2/02, Joe Mayenschein wrote:
>
> >And I got a resounding No from the group.
>
> Garmin and Audiovox got a special waiver from the FCC.   GPS positioning
> can only be sent from the FRS side of the radio and I believe it has to be
> intitiated manually.
>
> 73,
>
> Mark
> KC7BXS
>
>
>
> ---
> You are currently subscribed to aprssig as: toms@xmission.com
> To unsubscribe send a blank email to leave-aprssig-842K@lists.tapr.org
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>
>

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48. [aprssig] Re: FRS & GMRS

From: "Joe Della Barba" <joe@dellabarba.com>
Date: Tue, 3 Dec 2002 07:21:30 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-109442-2002.12.03-07.06.30--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Can you set these for the 2.5 KHz deviation FRS uses?
BTW, the Radio Shack MURS radio is now at $49.95 and can legally run APRS.
73
Joe

----- Original Message -----
From: "Jason Rausch" <ke4nyv@msn.com>
  I actually use commercial Motorola SP50's for
> FRS, their spectrum falls right in the FRS frequencies :o)
>
> 73's
> Jason KE4NYV
> www.ke4nyv.com
>

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Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

49. [aprssig] Re: FRS & GMRS

From: Bob Bruninga <bruninga@usna.edu>
Date: Tue, 3 Dec 2002 08:33:14 -0500 (EST)
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: TAPR APRS Special Interest Group <aprssig@lists.tapr.org>
Message-ID: <LYR842-109444-2002.12.03-08.18.03--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

RS has the 9 channel MURS mobile on sale for $49, normally was something
like $150 and then $99...

Bob

On Mon, 2 Dec 2002, Jason Rausch wrote:

> Yes, this is true. I have been checking these units out for some time now
> waiting for them to come out. I would like to get my hands on one just to
> see what "data format" is being used and see what is required to decode it.
> Potentially some kind of spin off of 1200 baud packet or maybe even
> faster!
>

> If you pay attention, several venues including Tech TV mention that the
> data positioning is "still pending FCC approval". I can't see how it's
> pending yet the units are being sold already.
>
> I mean how many times have you seen a really great new piece of ham gear,
> but it's only there in the ad for the pre-interested because the FCC has
> yet to approve it for use in the US? But on the same side, you can't buy
> it yet for use.
>
> I'm afraid that the FRS/GMRS spectrum is quickly becoming a new citizen's
> band. Have you listened to the traffic and activity on them in any heavily
> populated areas? But that is a side issue that really has nothing to do
> with us hams.
>
> I plan to buy on of these units as soon as the price drops (more than
> likely shortly after Xmas). I actually use commercial Motorola SP50's for
> FRS, their spectrum falls right in the FRS frequencies :o)
>
> 73's
> Jason KE4NYV
> www.ke4nyv.com
>
> ---
> You are currently subscribed to aprssig as: bruninga@usna.edu
> To unsubscribe send a blank email to leave-aprssig-842K@lists.tapr.org
> Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org
>

de WB4APR@amsat.org, Bob

PCsat WEB page	http://www.ew.usna.edu/~bruninga/pcsat.html
ISS-APRS FAQ:	http://www.ew.usna.edu/~bruninga/iss-faq.html
CUBESAT Designs	http://www.ew.usna.edu/~bruninga/cubesat.html
APRS LIVE pages	http://www.ew.usna.edu/~bruninga/aprs.html
APRS SATELLITES	http://www.ew.usna.edu/~bruninga/astars.html
MIM/Mic-E/Mic-Lite	http://ssdl.stanford.edu/mims/

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Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

---

50. [aprssig] Re: FRS & GMRS

From: "Spider" <spider@rivcom.net>
Date: Tue, 3 Dec 2002 06:41:33 -0700
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-109445-2002.12.03-08.26.36--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

I looked all over the Radio Shack web site and could not find this radio!
What is the model number? The 19-1206 does not come up, nor does the
btx-127.

Jim, WA6OFT

----- Original Message -----
From: "Joe Della Barba" <joe@dellabarba.com>
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Sent: Tuesday, December 03, 2002 5:21 AM
Subject: [aprssig] Re: FRS & GMRS

> Can you set these for the 2.5 KHz deviation FRS uses?
> BTW, the Radio Shack MURS radio is now at $49.95 and can legally run APRS.
> 73
> Joe
>
>

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Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

51. [aprssig] DGPS map?

From: Earl Needham <needhame@yucca.net>
Date: Tue, 03 Dec 2002 07:12:27 -0700
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-109446-2002.12.03-08.54.32--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

```
Is there a map (on the internet) of DGPS coverage THAT INCLUDES THE
FREQUENCIES right on it?  The Coast Guard site has a coverage map, but
frequencies are not posted on it.

        Thanks,
        Earl


Earl Needham, KD5XB, Clovis, New Mexico  DM84jk
KD5XB-2>APW251,PCSAT-1%:=3425.83N/10313.55W-PHG7150/WinAPRS 2.5.1
-EARL_CLOVIS -251-<630>
SETI@Home: 8695WU/6.09yrs!


---
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Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org
```

---

52. [aprssig] Re: FRS & GMRS

From: Bob Bruninga <bruninga@usna.edu>
Date: Tue, 3 Dec 2002 09:40:20 -0500 (EST)
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: TAPR APRS Special Interest Group <aprssig@lists.tapr.org>
Message-ID: <LYR842-109449-2002.12.03-09.25.11--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

```
On Tue, 3 Dec 2002, Spider wrote:

> I looked all over the Radio Shack web site and could not find this radio!
> What is the model number?  The 19-1206 does not come up, nor does the
> btx-127.

Its a 19-1210 and called Business Band Mobile Transceiver.  But it says
on the front of the box that it tunes the nine "dot" frequencies.  5 of
those are MURS I think...

Bob

> > Jim, WA6OFT
>
>
> ----- Original Message -----
> From: "Joe Della Barba" <joe@dellabarba.com>
> To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
> Sent: Tuesday, December 03, 2002 5:21 AM
> Subject: [aprssig] Re: FRS & GMRS
>
>
> > Can you set these for the 2.5 KHz deviation FRS uses?
> > BTW, the Radio Shack MURS radio is now at $49.95 and can legally run APRS.
> > 73
> > Joe
> >
> >
>
>
>
>
> ---
> You are currently subscribed to aprssig as: bruninga@usna.edu
> To unsubscribe send a blank email to leave-aprssig-842K@lists.tapr.org
> Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org
>

de WB4APR@amsat.org, Bob

PCsat WEB  page     http://www.ew.usna.edu/~bruninga/pcsat.html
ISS-APRS FAQ:       http://www.ew.usna.edu/~bruninga/iss-faq.html
CUBESAT Designs     http://www.ew.usna.edu/~bruninga/cubesat.html
APRS LIVE pages     http://www.ew.usna.edu/~bruninga/aprs.html
APRS SATELLITES     http://www.ew.usna.edu/~bruninga/astars.html
```

```
MIM/Mic-E/Mic-Lite  http://ssdl.stanford.edu/mims/


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Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org
```

53. [aprssig] Friend on a Trip to Florida

From: T C <boytroy54@yahoo.com>
Date: Tue, 3 Dec 2002 08:02:13 -0800 (PST)
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-109456-2002.12.03-10.47.01--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

```
Could I ask those of you who are familiar with APRS+SA to
be on the look-out for a guy named Tom, KC8NJK on a trip to
Florida, from Michigan.  I am not good at APRS yet to be
able to track him, or to even set up the software with much
savy.

I have the unregistered copy of APRS+SA and i own an old
copy of Street Atlas, ver 7.something.  My call on APRS is
W8TCC-12 in Lansing Michigan...  I wished I knew alittle
more about running these two packages together...  But I
don't even know where to start asking questions.

Thanks everyone, and Tom would be thrilled, because he's
new at Ham Radio and he's a retired Emergency Manager from
here in Lansing.  When he asked for ham radio support here
in town, for ARES and RACES, he never thought it was so
exciting being a ham.  He ended up getting a license,
buying a radio and when he retired, jumped over to our side
of the table and began working with the hams in the field.


Thanks everyone and hopefully you all can locate him with
APRS...

73 de W8TCC, Troy

__________________________________________________
Do you Yahoo!?
Yahoo! Mail Plus - Powerful. Affordable. Sign up now.
http://mailplus.yahoo.com

---
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Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org
```

54. [aprssig] GPS for Palm m500

From: BMcLarty@trustmark.com
Date: Tue, 3 Dec 2002 10:31:30 -0600
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-109460-2002.12.03-11.15.51--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

```
The son of a friend (non-ham) is interested in connecting a GPS receiver to
his Palm m500.

Does anyone have an opinion of the Magellan GPS Companion for the Palm
m500?

He has also looked at the Magellan 330X.

Has anyone connected a Garmin GPS III Plus directly to a Palm (without a D7
in the middle)?  As a Garmin fan, I have to ask.

I understand that any combination other than the Magellan GPS Companion for
m500 will bring up cabling issues.

Thanks in advance for recommendations/opinions.

Bill, KM5GE
Jackson, Mississippi


---
```

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Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

55. [aprssig] RE: Friend on a Trip to Florida

From: "stanzepa@earthlink.net" <stanzepa@earthlink.net>
Date: Tue, 3 Dec 2002 12:38:58 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-109467-2002.12.03-12.23.41--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

50 minutes ago, www.findu.com had KC8NJK-5 located 97 miles southwest of Usu, China!

Stan, WA1LOU

Original Message:

From: T C boytroy54@yahoo.com
Date: Tue, 3 Dec 2002 08:02:13 -0800 (PST)
To: aprssig@lists.tapr.org
Subject: [aprssig] Friend on a Trip to Florida

Could I ask those of you who are familiar with APRS+SA to be on the look-out for a guy named Tom, KC8NJK on a trip to Florida, from Michigan. I am not good at APRS yet to be able to track him, or to even set up the software with much savy.

----
mail2web - Check your email from the web at
http://mail2web.com/ .

You are currently subscribed to aprssig as: lyris.aprssig@tapr.org
To unsubscribe send a blank email to leave-aprssig-842K@lists.tapr.org
Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

56. [aprssig] RE: Friend on a Trip to Florida

From: "Rich Garcia" <k4gps@bellsouth.net>
Date: Tue, 3 Dec 2002 12:46:05 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-109469-2002.12.03-12.28.23--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

I think he took a wrong turn in Kalamazoo..

-----Original Message-----
From: bounce-aprssig-19959@lists.tapr.org
[mailto:bounce-aprssig-19959@lists.tapr.org]On Behalf Of
stanzepa@earthlink.net
Sent: Tuesday, December 03, 2002 12:39 PM
To: TAPR APRS Special Interest Group
Subject: [aprssig] RE: Friend on a Trip to Florida

50 minutes ago, www.findu.com had KC8NJK-5 located 97 miles southwest of Usu, China!

Stan, WA1LOU

Original Message:

From: T C boytroy54@yahoo.com
Date: Tue, 3 Dec 2002 08:02:13 -0800 (PST)
To: aprssig@lists.tapr.org
Subject: [aprssig] Friend on a Trip to Florida

Could I ask those of you who are familiar with APRS+SA to be on the look-out for a guy named Tom, KC8NJK on a trip to Florida, from Michigan. I am not good at APRS yet to be able to track him, or to even set up the software with much savy.

```
--------------------------------------------------------------------
mail2web - Check your email from the web at
http://mail2web.com/ .



---
You are currently subscribed to aprssig as: k4gps@bellsouth.net
To unsubscribe send a blank email to leave-aprssig-842K@lists.tapr.org
Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org




---
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Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org
```

57. [aprssig] RE: Friend on a Trip to Florida

```
From: "" <ka0azs@commkey.net>
Date: Tue, 3 Dec 2002 12:48:51 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-109470-2002.12.03-12.33.44--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain
```

```
You mean he should have taken that right in Alburqurque?

----- Original Message -----
From: Rich Garcia
Sent: 12/3/2002 12:46:05 PM
To: aprssig@lists.tapr.org
Subject: [aprssig] RE: Friend on a Trip to Florida

> I think he took a wrong turn in Kalamazoo..
>
> -----Original Message-----
> From: bounce-aprssig-19959@lists.tapr.org
> [mailto:bounce-aprssig-19959@lists.tapr.org]On Behalf Of
> stanzepa@earthlink.net
> Sent: Tuesday, December 03, 2002 12:39 PM
> To: TAPR APRS Special Interest Group
> Subject: [aprssig] RE: Friend on a Trip to Florida
>
>
> 50 minutes ago, www.findu.com had KC8NJK-5 located 97 miles southwest of
> Usu, China!
>
> Stan, WA1LOU
>
> Original Message:
> -----------------
> From: T C boytroy54@yahoo.com
> Date: Tue, 3 Dec 2002 08:02:13 -0800 (PST)
> To: aprssig@lists.tapr.org
> Subject: [aprssig] Friend on a Trip to Florida
>
>
> Could I ask those of you who are familiar with APRS+SA to
> be on the look-out for a guy named Tom, KC8NJK on a trip to
> Florida, from Michigan.  I am not good at APRS yet to be
> able to track him, or to even set up the software with much
> savy.
>
>
> --------------------------------------------------------------------
> mail2web - Check your email from the web at
> http://mail2web.com/ .
>
>
>
> ---
> You are currently subscribed to aprssig as: k4gps@bellsouth.net
> To unsubscribe send a blank email to leave-aprssig-12994I@lists.tapr.org
> Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org
>
>
>
```

>
> ---
> You are currently subscribed to aprssig as: ka0azs@commkey.net
> To unsubscribe send a blank email to leave-aprssig-12994I@lists.tapr.org
> Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org
>

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To unsubscribe send a blank email to leave-aprssig-842K@lists.tapr.org
Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

58. [aprssig] RE: Friend on a Trip to Florida

From: "Ken Patterson" <kenp@etex.net>
Date: Tue, 3 Dec 2002 17:57:37 -0000
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-109471-2002.12.03-12.42.17--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

According to my look at findu a couple of minutes ago, KC8NJK-5 was also
within range of the W8AKR-8 I-gate & the K8UI-5 digipeater. Wouldn't these
stations indicate he is actually in the vacinity of Akron, Ohio?

de Ken,
N5EQT

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To unsubscribe send a blank email to leave-aprssig-842K@lists.tapr.org
Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

59. [aprssig] Re: QRP 440 rig for 9600 baud backbone, who makes one?

From: Bill Vodall - WA7NWP <wa7nwp@yahoo.com>
Date: Tue, 03 Dec 2002 10:10:22 -0800
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-109475-2002.12.03-12.57.41--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

>The IC-207 which is on special for $249.95 sez
>in the specs that it has a 6 pin connector on the
>rear to accept a 9K6 TNC.

What's the BER rate at 9600?   General consensus here is that
NONE of the name brand rigs supposedly rated for 9600 actually
work well.

>To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
>Sent: Monday, December 02, 2002 20:00
>Subject: [aprssig] QRP 440 rig for 9600 baud backbone, who makes one?
>
>
>Anyone know of a mfg of a 440 rig capabable of 9600 bd for a backbone
>link?
>It needs to be QRP on RX especially, since we run a 100% solar powered
>voice repeater and APRS WX Digi. Mobile rig's consume too much power in
>RX.

I'd suggest the Tekk radios would be the first choice. They work great at 9600
and the 20 ma. receive current will be hard to beat.

   http://www.paccomm.com/tekk.html

Maxon radios, also available from Paccomm, are another option. Price for one modified
for 9600 is a bit higher then the Tekk but they are programmable for multiple frequencies unlike
the Paccomm which is crystal controlled.

   http://www.paccomm.com/price.html

73,
Bill - WA7NWP

What's happening today: http://wiki.jnos.org/today
Personal home page: http://www.jnos.org

```
---
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Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org
```

60. [aprssig] Re: FRS & GMRS

From: "Spider" <spider@rivcom.net>
Date: Tue, 3 Dec 2002 11:20:16 -0700
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-109477-2002.12.03-13.05.20--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

```
Welp!  I can't find 19-1210  on their web site.  I did find a 19-1217,
BTX-128 for $179....but no sale!  You described this radio.
Think I'll stop buy my local store and see...but it starting to sound like a
local sale.

Jim, WA6OFT




----- Original Message -----
From: "Bob Bruninga" <bruninga@usna.edu>
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Sent: Tuesday, December 03, 2002 7:40 AM
Subject: [aprssig] Re: FRS & GMRS


> On Tue, 3 Dec 2002, Spider wrote:
>
> > I looked all over the Radio Shack web site and could not find this
radio!
> > What is the model number?  The 19-1206 does not come up, nor does the
> > btx-127.
>
> Its a 19-1210 and called Business Band Mobile Transceiver.  But it says
> on the front of the box that it tunes the nine "dot" frequencies.  5 of
> those are MURS I think...
>
> Bob
>
> > > Jim, WA6OFT
> >
> >
> > ----- Original Message -----
> > From: "Joe Della Barba" <joe@dellabarba.com>
> > To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
> > Sent: Tuesday, December 03, 2002 5:21 AM
> > Subject: [aprssig] Re: FRS & GMRS
> >
> >
> > > Can you set these for the 2.5 KHz deviation FRS uses?
> > > BTW, the Radio Shack MURS radio is now at $49.95 and can legally run
APRS.
> > > 73
> > > Joe
> > >
> > >
> >
> >
> >
> >
> > ---
> > You are currently subscribed to aprssig as: bruninga@usna.edu
> > To unsubscribe send a blank email to leave-aprssig-842K@lists.tapr.org
> > Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org
> >
>
> de WB4APR@amsat.org, Bob
>
> PCsat WEB  page     http://www.ew.usna.edu/~bruninga/pcsat.html
> ISS-APRS FAQ:       http://www.ew.usna.edu/~bruninga/iss-faq.html
> CUBESAT Designs     http://www.ew.usna.edu/~bruninga/cubesat.html
> APRS LIVE pages     http://www.ew.usna.edu/~bruninga/aprs.html
> APRS SATELLITES     http://www.ew.usna.edu/~bruninga/astars.html
> MIM/Mic-E/Mic-Lite  http://ssdl.stanford.edu/mims/
>
>
> ---
> You are currently subscribed to aprssig as: spider@rivcom.net
> To unsubscribe send a blank email to leave-aprssig-842K@lists.tapr.org
> Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org
>
>
>




---
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Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org
```

---

61. [aprssig] Re: QRP 440 rig for 9600 baud backbone, who makes one?

From: Jeff King <jeff@aerodata.net>
Date: Tue, 3 Dec 2002 15:03:38 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-109483-2002.12.03-14.48.37--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

```
On Tue, 03 Dec 2002 10:10:22 -0800, Bill Vodall - WA7NWP wrote:
>
>>The IC-207 which is on special for $249.95 sez
>>in the specs that it has a 6 pin connector on the
>>rear to accept a 9K6 TNC.
>
>What's the BER rate at 9600?   General consensus here is that
>NONE of the name brand rigs supposedly rated for 9600 actually
>work well.

Also don't forget that some also have issues with DC coupling on the TX
chain.

>I'd suggest the Tekk radios would be the first choice.  They work
>great at 9600 and the 20 ma. receive current will be hard to beat.
>
>http://www.paccomm.com/tekk.html

Yeap, they where actually designed for 9600bps. Here is a cheaper place to
get them then Paccomm:

http://www.multicom2way.com/tekk-dataradios.htm

-Jeff




---
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To unsubscribe send a blank email to leave-aprssig-842K@lists.tapr.org
Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org
```

---

62. [aprssig] RE: Friend on a Trip to Florida

From: Bob Bruninga <bruninga@usna.edu>
Date: Tue, 3 Dec 2002 15:30:13 -0500 (EST)
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: TAPR APRS Special Interest Group <aprssig@lists.tapr.org>
Message-ID: <LYR842-109484-2002.12.03-15.15.02--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

```
> According to my look at findu a couple of minutes ago, KC8NJK-5 was also
> within range of the W8AKR-8 I-gate & the K8UI-5 digipeater. Wouldn't these
> stations indicate he is actually in the vacinity of Akron, Ohio?

Shows the value of digis set to NOID and vicinity tracking...

(sorry couldnt resist)...
Bob
```

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Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

63. [aprssig] RE: Friend on a Trip to Florida

From: Bill Vodall - WA7NWP <wa7nwp@yahoo.com>
Date: Tue, 03 Dec 2002 12:46:52 -0800
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-109485-2002.12.03-15.34.11--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

I bet the hand entered longitude is missing the minus sign...

At 03:30 PM 12/3/02 -0500, Bob Bruninga wrote:
> > According to my look at findu a couple of minutes ago, KC8NJK-5 was also
> > within range of the W8AKR-8 I-gate & the K8UI-5 digipeater. Wouldn't these
> > stations indicate he is actually in the vacinity of Akron, Ohio?
>
>Shows the value of digis set to NOID and vicinity tracking...

Speaking of which...   I dropped a note on the Digi_ned tech forum a couple
days ago and didn't get an answer yet.

http://pub13.bravenet.com/forum/show.asp?usernum=1085172791&cpv=1

Maybe one of the Digi_ned operators
on the list here will have some suggestions. Basically I'm working towards a
Digi_ned configuration where it adds it's own callsign or alias even if the station
originating the packet didn't start it with a generic WIDE or RELAY to allow substition.
This will add a bit more vicinity tracking info to the flow on the network.

Here's the original message:

We're been finding more and more uses for packets where callsign substitution
by the digi's is running. It show's paths and digipeater coverage areas.

This works well is the originating station uses an proper path such as:

wa7nwp>APX,RELAY,WIDE3-3: hello world

or

WA7NWP>APX,REDMND,WIDE3-3: good bye

There's still a significant number of stations not putting in a place for the digipeater
to replace its ID. For example:

WA7NWP>APZ:WIDE7-7:I be a trouble maker

So, the digi_ned question is: Is there a way to catch a packet like the above,
only if it's the "first-digi", and drop in the digi_ned system call.

The packet would be rewritten from:

WA7NWP>APZ,WIDE7-7: stuff

to

WA7NWP>APZ,REDMND,WIDE7-6: stuff

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Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

64. [aprssig] WinAPRS question

From: Brad Darnell <darnellb10@comcast.net>
Date: Tue, 03 Dec 2002 17:26:50 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-109488-2002.12.03-17.12.34--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Hi All:

I just moved my WinAPRS setup onto a new PC due to a hard drive failure on the old one. When I start up WinAPRS, it runs fine, but the font on the message list window is so small I can't read it. The main map windows and all other windows are fine, only the message list window is small. I have tried changing font settings everywhere I can find font settings, to no avail. Can someone tell me where you set the font size for the message window ?

Thanks in advance, 73, and Happy Holidays

Brad Darnell - WA9BD
[Attachment: winmail.dat; application/ms-tnef; 1,680 bytes]

---

65. [aprssig] SSID Routing and FIRST option...

From: Bob Bruninga <bruninga@usna.edu>
Date: Tue, 3 Dec 2002 17:56:12 -0500 (EST)
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: TAPR APRS Special Interest Group <aprssig@lists.tapr.org>
Message-ID: <LYR842-109490-2002.12.03-17.41.04--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

On Tue, 3 Dec 2002, Bill Vodall - WA7NWP wrote:

> ...Basically I'm working towards a Digi_ned configuration where it adds
> it's own callsign or alias even if the station originating the packet
> didn't start it with a generic WIDE or RELAY to allow substition.

This is called the UI FLOOD "FIRST" option which we got Kenwood to add into their digipeater code and are hoping the Kantronics and others will include. BUT, I have to admit, I'm ambivalent about whether it is a good idea to have always ON...

My thoughts are that PATH selection and how the packet is handled should always be at the SENDER's option, not be forced by a digi. That is my biggest objection to the "ID" setting which "changes" the originators intent.   My preference is for NOID so that what the user wants, the user gets:

```
   SHORTEST PACKETS, he should use the path of WIDE3-3
   SOURCE TRACKING,  he should use the path of WIDE,WIDE2-2 (or RELAY...
   TRACE TRACKING,   he should use the path of TRACE3-3
```

So I appreciate the effort to implement FIRST, but it prevents users from using the shortest possible path of just a naked WIDE3-3.

HOWEVER, since I believe that DIGI-NED and your code also support SSID routing, then, and that is even 7 bytes shorter than even the shortest one-hop digi packet. So in that case, the local digi could do "FIRST" modification, because if the user wants the shortest possible path, then he will simply use the SSID method (-SS)...

Just thinking out loud....

But then again, you can do the "FIRST" process on an SSID packet also... Hummh....

Ah HA! How about this for the SSID routing.

SSID ROUTING based on 0-15 SSID''s. Where the SSID is a 4 bit binary number "HHPS"

```
where "HH" are the two HOP bits (0, 1, 2 or 3 hops)
Where "P"  is the priority bit  (0 is routine, 1 is priority)
Where "S"  is the "source" bit.  If "1", then it tells the SSID-Digipeater
    to INSERT the SOURCE Digipeater identification in the digipeated
    packet as you have proposed.  THus
```

```
 WB4APR>APRS:packet is a direct packet
 WB4APR>APRS-1: is a one hop packet
 WB4APR>APRS-3: is a 3 hop packet
 WB4APR>APRS-7: is a 3 hop priority packet
 WB4APR>APRS-11: is a 3 hop packet that arrives as WB4APR>APRS-n,DIGI1*
```

As usual for an SSID packet, the SSID is decremented after each hop. We need nothing higher than 3 hops in a mature APRS system, and if someone needs to use a longer path, then he can use WIDE4-4 or whatever...

I like this, I have wanted to modify the SSID routing system to recover the two "directional routing bits" so that we can have a priority bit, but until now, never had a good idea as to what to do with the 4th bit.

Using it to signal whether we want the FIRST digi identified or not is a good possibility to consider. This is because it leaves the originator in control of his packets, and the digi only does what it is told...

de WB4APR, BOb

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Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

66. [aprssig] FW: WinAPRS question

From: Brad Darnell <darnellb10@comcast.net>
Date: Tue, 03 Dec 2002 19:16:58 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-109502-2002.12.03-19.03.56--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Here's some follow up to my original question:

When I moved the file WinAPRS.prf (a PIC rules file), WinAPRS came up as unregistered and the message list window font was normal size. I moved the file back into the WinAPRS directory, it came up as registered and the message list was teenie tiny again.

Anybody know what's up with this ? Also, didn't you used to be able to see your registration code in the Help, About window ? I'd like to re-install to try that, but don't have my registration code written down anywhere that I can find it. (D'oh !)

Thanks again for any help.

> -----Original Message-----
> From: bounce-aprssig-27854@lists.tapr.org
> [mailto:bounce-aprssig-27854@lists.tapr.org]
> Sent: Tuesday, December 03, 2002 5:27 PM
> To: TAPR APRS Special Interest Group
> Subject: [aprssig] WinAPRS question
>
> Hi All:
>
> I just moved my WinAPRS setup onto a new PC due to a hard drive failure on
> the old one. When I start up WinAPRS, it runs fine, but the font on the
> message list window is so small I can't read it. The main map windows and
> all other windows are fine, only the message list window is small. I have
> tried changing font settings everywhere I can find font settings, to no
> avail. Can someone tell me where you set the font size for the message
> window ?
>
> Thanks in advance, 73, and Happy Holidays
>
> Brad Darnell - WA9BD
>
>

[Attachment: winmail.dat; application/ms-tnef; 2,396 bytes]

67. [aprssig] RE: FW: WinAPRS question

From: Brad Darnell <darnellb10@comcast.net>
Date: Tue, 03 Dec 2002 20:23:38 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: TAPR APRS Special Interest Group <aprssig@lists.tapr.org>
Message-ID: <LYR842-109510-2002.12.03-20.09.56--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

That solved it. Thanks for the help. Also, I solved the issue of the WinAPRS.prf file. Apparently, this is a "preferences" file that WinAPRS generates. Win2K associates anything with a ".prf" extension as being an Internet content ratings file. I changed the association to Notepad and all is well again.

Thanks again.

-----Original Message-----
From: Chris Rose [mailto:kb8uih@arrl.net]
Sent: Tuesday, December 03, 2002 8:01 PM
To: Brad Darnell
Subject: Re: [aprssig] FW: WinAPRS question

There is a setting to adjust the font size in maps. Settings menu, then
WinAPRS tab then look in that window on lower right side for Min Font Size.
I think that is what you want.

Chris
KB8UIH

----- Original Message -----
From: "Brad Darnell" <darnellb10@comcast.net>
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Sent: Tuesday, December 03, 2002 7:16 PM
Subject: [aprssig] FW: WinAPRS question

> Here's some follow up to my original question:
>
> When I moved the file WinAPRS.prf (a PIC rules file), WinAPRS came up as
> unregistered and the message list window font was normal size. I moved the
> file back into the WinAPRS directory, it came up as registered and the
> message list was teenie tiny again.
>
> Anybody know what's up with this ? Also, didn't you used to be able to see
> your registration code in the Help, About window ? I'd like to re-install
to
> try that, but don't have my registration code written down anywhere that I
> can find it. (D'oh !)
>
> Thanks again for any help.
>
> > -----Original Message-----
> > From: bounce-aprssig-27854@lists.tapr.org
> > [mailto:bounce-aprssig-27854@lists.tapr.org]
> > Sent: Tuesday, December 03, 2002 5:27 PM
> > To: TAPR APRS Special Interest Group
> > Subject: [aprssig] WinAPRS question
> >
> > Hi All:
> >
> > I just moved my WinAPRS setup onto a new PC due to a hard drive failure
on
> > the old one. When I start up WinAPRS, it runs fine, but the font on the
> > message list window is so small I can't read it. The main map windows
and
> > all other windows are fine, only the message list window is small. I
have
> > tried changing font settings everywhere I can find font settings, to no
> > avail. Can someone tell me where you set the font size for the message
> > window ?
> >
> > Thanks in advance, 73, and Happy Holidays
> >
> > Brad Darnell - WA9BD
> >
> >
>

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To unsubscribe send a blank email to leave-aprssig-842K@lists.tapr.org
Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

68. [aprssig] Re: FRS & GMRS

From: "Jason Rausch" <ke4nyv@msn.com>
Date: Tue, 3 Dec 2002 21:1:58
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-109517-2002.12.03-21.46.55--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

After serving a year sentence at the shack I learned somthing they do.
When somthing goes on clearance to, theoretically clear out the inventory,
they instantly take it off of the website for some friggin' reason. I am
willing to bet your local store has at least one of these units in stock.
I was checking them out a while back when they went to $79 on sale, almost
bought one. I might just return and pick one up now. Actually, I can get
my hands on commercial Motorola Maxtracs now, so I might just save the 50
clams.

Being a Moto tech is way cool!

73's
Jason KE4NYV
www.ke4nyv.com

---
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---

69. [aprssig] etrex stats

From: "Wes Johnston" <wes@johnston.net>
Date: Tue, 3 Dec 2002 23:11:28 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-109519-2002.12.03-22.56.44--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Anyone got any *detailed* power info on the etrex base model? Just looked at the garmin PDF and they just tell me to get a special power cable. No word on mAh or mA, or max voltage.

Also, any information on how well (or long in miles) the bread crumb trail works? There don't appear to be any adjustments for distance or time between points... jsut how fast will this unit use up 1500 data points at say, 60mph?

Thanks
Wes

---
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---

70. [aprssig] Re: etrex stats

From: "Don" <kyham@alltel.net>
Date: Tue, 3 Dec 2002 23:26:03 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-109520-2002.12.03-23.12.15--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

There is a site that has the cables pretty reasonable. I think it is www.pfrank.com. Been a while since I bought from them so might not have the name quite right. I use their cables on my eMap and I think it uses the same one.

Don   K9SOA   (EM77EX)
HF-2m-70cm-APRS
www.k9soa.net

Home of JEANNIE
The House That Listens
As seen on HGTV's Dream Builder Show
and the Featured Home of the Month
Home Automation magazine
March 2002 issue

----- Original Message -----
From: Wes Johnston <wes@johnston.net>
To: TAPR APRS Special Interest Group <aprssig@lists.tapr.org>
Sent: Tuesday, December 03, 2002 11:11 PM
Subject: [aprssig] etrex stats

> Anyone got any *detailed* power info on the etrex base model? Just looked
> at the garmin PDF and they just tell me to get a special power cable. No
> word on mAh or mA, or max voltage.
>
> Also, any information on how well (or long in miles) the bread crumb trail
> works? There don't appear to be any adjustments for distance or time
> between points... jsut how fast will this unit use up 1500 data points at
> say, 60mph?
>
> Thanks

```
> Wes
>
>
> ---
> You are currently subscribed to aprssig as: kyham@alltel.net
> To unsubscribe send a blank email to leave-aprssig-842K@lists.tapr.org
> Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org
>


---
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Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org
```

---

71. [aprssig] Re: etrex stats

From: "Lloyd Mitchell" <lloydm75@hotmail.com>
Date: Tue, 3 Dec 2002 23:39:31 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-109521-2002.12.03-23.24.13--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

```
http://www.pfranc.com is the correct URL

KD4HTW


----- Original Message -----
From: "Don" <kyham@alltel.net>
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Sent: Tuesday, December 03, 2002 11:26 PM
Subject: [aprssig] Re: etrex stats


> There is a site that has the cables pretty reasonable.  I think it is
> www.pfrank.com.   Been a while since I bought from them so might not have
> the name quite right.    I use their cables on my eMap and I think it uses
> the same one.
>
>
> Don            K9SOA   (EM77EX)
> HF-2m-70cm-APRS
> www.k9soa.net
>
> Home of JEANNIE
> The House That Listens
> As seen on HGTV's Dream Builder Show
> and the Featured Home of the Month
> Home Automation magazine
> March 2002 issue
>
>
> ----- Original Message -----
> From: Wes Johnston <wes@johnston.net>
> To: TAPR APRS Special Interest Group <aprssig@lists.tapr.org>
> Sent: Tuesday, December 03, 2002 11:11 PM
> Subject: [aprssig] etrex stats
>
>
> > Anyone got any *detailed* power info on the etrex base model?  Just
looked
> > at the garmin PDF and they just tell me to get a special power cable.
No
> > word on mAh or mA, or max voltage.
> >
> > Also, any information on how well (or long in miles) the bread crumb
trail
> > works?  There don't appear to be any adjustments for distance or time
> > between points... jsut how fast will this unit use up 1500 data points
at
> > say, 60mph?
> >
> > Thanks
> > Wes
> >
> >
> > ---
> > You are currently subscribed to aprssig as: kyham@alltel.net
> > To unsubscribe send a blank email to leave-aprssig-842K@lists.tapr.org
> > Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org
> >
>
>
> ---
> You are currently subscribed to aprssig as: lloydm75@hotmail.com
> To unsubscribe send a blank email to leave-aprssig-842K@lists.tapr.org
> Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org
>

---
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Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org
```

72. [aprssig] Receipts

```
From: "Ray McKnight - WB3ABN" <shortsheep@worldnet.att.net>
Date: Tue, 3 Dec 2002 20:49:48 -0800
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-109524-2002.12.03-23.34.39--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain
```

```
Folks, PLEASE turn OFF the delivery confirmation feature in your
e-mail programs!  Theres NO reason to need a confirmation that 500 of
us read your message posted to the SIG.  If youre sending from a
corporate network, try asking your SysAdmin to set you up with a user
account that can have this disabled.  Its very frustrating!

73s
Ray  WB3ABN
Kingston, WA




---
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```

73. [aprssig] Authors Wanted for PSR and DCC...

```
From: "Darryl Smith" <Darryl@radio-active.net.au>
Date: Wed, 4 Dec 2002 17:05:40 +1100
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: "TAPR Board of Directors" <tapr-board@lists.tapr.org>,
        "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>,
        "htaprs digest recipients" <htaprs@lists.tapr.org>,
        "aprs sig \(aprs sig\)" <aprssig@tapr.org>,
        "'APRS Spec Discussion List'" <aprsspec@lists.tapr.org>,
        "'TAPR PIC Development Special Interest Group'" <picsig@lists.tapr.org>,
        "TAPR Spread Spectrum Special Interest Group" <ss@lists.tapr.org>,
        "TAPR AO-16 APRS Special Interest Group" <ao16aprs@lists.tapr.org>
Message-ID: <LYR842-109539-2002.12.04-00.51.30--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain
```

```
G'Day

TAPR have decided to introduce some changes to support those members of
TAPR who are putting time and energy into the various publications that
TAPR puts out each year.

Three Month Membership Extension for Packet Status Register (PSR)
Articles
------------------------------------------------------------------------
--

>From the next issue of PSR, members who have articles published in the
PSR magazine will have their membership of TAPR extended by three
months. It is hoped that this will encourage members to write for the
magazine. The deadline for articles for the next issue of PSR is
mid-January. More information on submitting articles, and on obtaining
copies of the magazine can be found on
http://www.tapr.org/tapr/html/Fpsr.html


Six Month Membership Extension for Digital Communications Conference
(DCC) Articles
------------------------------------------------------------------------
-----------
```

```
>From the 2003 DCC, planned for somewhere in the Eastern USA, TAPR will
be offering Six Month membership extensions for all members who have
papers published in the proceedings. Whilst we would dearly love all
authors of papers to attend the conference, we recognize that there are
reasons that members cannot attend the conference - so the requirement
is only on having your paper published.  This is of course in addition
to the complimentary copy of the DCC proceedings that each author is
entitled to.

We are looking for papers on subject within the bounds of Digital
Communications, as it applies to Ham Radio, on all levels. All you need
is something to say. If you feel that you are unable to write a paper
because you do not have the time, or writing a paper is outside your
area of expertise, please contact me. I will attempt to find someone who
will be able to help you with getting the paper written.

More details on the conference itself will be made available early in
2003, along with a formal call for papers. Until then you can examine
the DCC area of the TAPR www site for details on past conferences by
looking at http://www.tapr.org/dcc/

Darryl VK2TDS
TAPR Board Member

---------
Darryl Smith, VK2TDS   POBox 169 Ingleburn NSW 2565 Australia
Mobile Number 0412 929 634 [+61 4 12 929 634 International]
Darryl@radio-active.net.au | www.radio-active.net.au



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```

---

74. [aprssig] Re: etrex stats

From: "Mike Yetsko" <myetsko@insydesw.com>
Date: Wed, 4 Dec 2002 06:49:36 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-109554-2002.12.04-06.36.33--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

```
Wes,

I never investigated the ETrex like that, but I bought my son one for
Christmas a year ago.  NICE little unit.  Very inexpensive, and works
quite well.

As other have mentioned, the connector for the thing is available through
'pfranc'.  Get a COUPLE!  I've made up data and data/power cables
for the thing.  Although I bought a 'real' Garmin power cable for use in
the car for my son.

Just remember, the thing is 3v!!  But there's 3v adapters available for
small tape players.  I forget the 'upper limit' of input voltage, but from
what I understand, it's a pretty hard limit. You go outside the limit,
you damage it.

There was an update since I've gotten it that improved the track.
It had to do with improving memory usage if I remember right.
Thing is, my son lives with his mom, and I haven't played with the
thing since I did the update.  (Just download the update to a PC,
then connect the ETrex and you can do it yourself.)

Mike



---
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```

---

75. [aprssig] Old Digi New Look

From: Jon Matlock <ke4iam@mindspring.com>
Date: Wed, 04 Dec 2002 08:05:05 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>

Message-ID: <LYR842-109561-2002.12.04-07.54.31--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Many years ago I set up a Digi in Greensboro, North Carolina (W4GSO) to serve our region and aid in the weather monitoring network. Due to circumstances beyond my control we have lost the Digi site, because of politics, local lack of respect for Amateur Radio or what ever. With a lot of cooperation from Greensboro / Guilford County Emergency Management, county Emergency Services, City and County Communications centers we have a new site so the Digi will survive. Currently it is at a temporary location waiting on the city tower crew to install a new antenna 2nd spot down on a County owned tower. Already the Digi is hearing better than the old site and I am confident when it goes 150 feet higher it will be a lot better than before.
We hope to have everything completed by next week. The Digi has a new call of WX4GSO (same equipment just moved) and is only be a few miles from the original location. Thanks for everyone's support during the transition.

Jon Matlock KE4IAM

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Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

76. [aprssig] Re: Receipts

From: "Ronald Reams" <wa4mjf@worldnet.att.net>
Date: Wed, 4 Dec 2002 08:20:25 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: "APRS Sig" <aprssig@lists.tapr.org>
Message-ID: <LYR842-109562-2002.12.04-08.06.33--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

My OE only sends receipt reequests to non-list addresses.
That is the default.

73 de Ronnie

----- Original Message -----
From: "Ray McKnight - WB3ABN" <shortsheep@worldnet.att.net>
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Sent: Tuesday, December 03, 2002 23:49
Subject: [aprssig] Receipts

Folks, PLEASE turn OFF the "delivery confirmation" feature in your e-mail programs! There's NO reason to need a confirmation that 500 of us read your message posted to the SIG. If you're sending from a corporate network, try asking your SysAdmin to set you up with a user account that can have this disabled. It's very frustrating!

73's
Ray - WB3ABN
Kingston, WA

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Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

77. [aprssig] Re: etrex stats

From: Alex <kr1st@amsat.org>
Date: Wed, 04 Dec 2002 08:37:08 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-109564-2002.12.04-08.19.49--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

```
Mike Yetsko wrote:

> I never investigated the ETrex like that, but I bought my son one for
> Christmas a year ago.  NICE little unit.  Very inexpensive, and works
> quite well.

And may still be on sale at Target for 89 dollars. Dunno if it was a two
day only sale last weekend.

73,
--Alex KR1ST

---
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Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org
```

78. [aprssig] Re: About RadioShack -> Silent Key for HAM Radio

From: larry Also <larrytooalso@yahoo.com>
Date: Wed, 4 Dec 2002 09:07:14 -0800 (PST)
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-109577-2002.12.04-11.52.01--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

```
function SetDomain(d) { document.domain = d; }The only place they use componants on this continent is in
 Mexico!


---------------------------------
Do you Yahoo!?
Yahoo! Mail Plus - Powerful. Affordable. Sign up now
```

79. [aprssig] Re: RadioShack -> Silent Key for HAM Radio

From: larry Also <larrytooalso@yahoo.com>
Date: Wed, 4 Dec 2002 09:19:39 -0800 (PST)
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-109578-2002.12.04-12.04.29--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

```
function SetDomain(d) { document.domain = d; }What I was told was that the "small stores" would have two
 stacks of parts, while the "large" stores would have four.  Problem is, I've not yet been able to find
anyone who knows where anything is lately.  I call out a part number and they just laugh.


---------------------------------
Do you Yahoo!?
Yahoo! Mail Plus - Powerful. Affordable. Sign up now
```

80. [aprssig] Re: Receipts

From: "Gregg G. Wonderly" <gregg@skymaster.cytetech.com>
Date: Wed, 04 Dec 2002 11:21:55 -0600
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: TAPR APRS Special Interest Group <aprssig@lists.tapr.org>
Message-ID: <LYR842-109579-2002.12.04-12.06.51--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

```
>Folks, PLEASE turn OFF the =93delivery confirmation=94 feature in your
>e-mail programs!=A0 There=92s NO reason to need a confirmation that 500 =
>of
>us read your message posted to the SIG.=A0 If you=92re sending from a
>corporate network, try asking your SysAdmin to set you up with a user
>account that can have this disabled.=A0 It=92s very frustrating!

I just use a system that doesn't respond to 'return receipt requests'.  That
solves all of my problems :-)

-----
gregg@cytetech.com  (Cyte Technologies Inc)



---
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To unsubscribe send a blank email to leave-aprssig-842K@lists.tapr.org
Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org
```

81. [aprssig] Re: Receipts

From: "Ken Cechura" <kcechura@umr.edu>
Date: Wed, 4 Dec 2002 11:28:17 -0600
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-109580-2002.12.04-12.13.10--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

```
Yeah, and those "I'm out of the office" replies are pretty annoying,
too.

-----Original Message-----
From: bounce-aprssig-22012@lists.tapr.org
[mailto:bounce-aprssig-22012@lists.tapr.org] On Behalf Of Gregg G.
Wonderly
Sent: Wednesday, December 04, 2002 11:22 AM
To: TAPR APRS Special Interest Group
Cc: TAPR APRS Special Interest Group
Subject: [aprssig] Re: Receipts



>Folks, PLEASE turn OFF the =93delivery confirmation=94 feature in your
>e-mail programs!=A0 There=92s NO reason to need a confirmation that 500

>= of us read your message posted to the SIG.=A0 If you=92re sending
>from a corporate network, try asking your SysAdmin to set you up with a

>user account that can have this disabled.=A0 It=92s very frustrating!

I just use a system that doesn't respond to 'return receipt requests'.
That
solves all of my problems :-)

-----
gregg@cytetech.com  (Cyte Technologies Inc)



---
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To unsubscribe send a blank email to leave-aprssig-842K@lists.tapr.org
Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org




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To unsubscribe send a blank email to leave-aprssig-842K@lists.tapr.org
Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org
```

82. [aprssig] Re: Receipts

From: David VanHorn <dvanhorn@cedar.net>
Date: Wed, 04 Dec 2002 12:39:33 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-109581-2002.12.04-12.27.15--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

```
At 11:28 AM 12/4/2002 -0600, Ken Cechura wrote:
>Yeah, and those "I'm out of the office" replies are pretty annoying,
>too.

Tis the season.. :(


---
You are currently subscribed to aprssig as: lyris.aprssig@tapr.org
To unsubscribe send a blank email to leave-aprssig-842K@lists.tapr.org
Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org
```

83. [aprssig] APRS-SA and Street Atlas 2003

From: "Robert T. Alford" <alford@andrulis.com>
Date: Wed, 4 Dec 2002 12:2:10
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-109582-2002.12.04-12.47.00--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

```
Has anyone successfully interfaced APRS-SA(APRS Plus) and Street Atlas
2003? If so, how?
```

```
---
You are currently subscribed to aprssig as: lyris.aprssig@tapr.org
To unsubscribe send a blank email to leave-aprssig-842K@lists.tapr.org
Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org
```

84. [aprssig] Re: Receipts

```
From: Roger Grady <k9opo@comteck.com>
Date: Wed, 04 Dec 2002 15:05:01 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: TAPR APRS Special Interest Group <aprssig@lists.tapr.org>
Message-ID: <LYR842-109588-2002.12.04-14.50.03--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain
```

```
At 11:21 AM 12/4/02 -0600, Gregg G. Wonderly wrote:
>I just use a system that doesn't respond to 'return receipt requests'.  That
>solves all of my problems :-)

Me too. Thank you Qualcomm for giving us an alternative (Eudora). I've
didn't know anyone was sending delivery receipt requests until Ray posted
his request.

Roger Grady  K9OPO

---
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```

85. [aprssig] Re: APRS-SA and Street Atlas 2003

```
From: WA8LMF2@aol.com
Date: Wed, 4 Dec 2002 15:40:15 EST
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-109593-2002.12.04-15.25.13--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain
```

```
In a message dated 12/4/02 10:03:37 AM Pacific Standard Time,
alford@andrulis.com writes:

> Has anyone successfully interfaced APRS-SA(APRS Plus) and Street Atlas
>  2003? If so, how?
>
NO!

It is a totally different product from the classic Street Atlas.

Repeating a post I put on several lists a couple of weeks ago:

Currently, no ham software or APRS programs support or use the new-breed
Delorme products in any way.  The "classic" Street Atlas family is used
dynamically (fluid scroll and zoom in/out) by APRSplus and statically
(capture fixed bitmap images)  by UI-View.

SA9 is the final version of a decade-old design originated in the Win 3.x
era.  It uses a relatively small amount of computer horsepower, and works
well even with machines as modest as a Pentium 166 or 200 MMX.  Since ver 7.0
it has been strictly a Win32 ( i.e. Win9x, ME, 2K, XP) design.  The user
interface uses a "classic" MS-Office-style toolbar across the top of the
screen.  A port of this version is the only Delorme product available in a
Macintosh version.

SA 2003 is the currrent 3rd generation of a line that included SA "Road
Warrior Edition", "SA Deluxe", the Topo USA series, 3D TopoQuads and X-Map.
All of these  are buggy, sluggish, resource-hogging dogs that share a user
interface based on a series of expandable tabs located at the bottom of the
screen.   The user inteface is far more complex and distracting, and less
usable while driving than the earlier one -- especially lacking is the
ability to zoom in or out for a wider view using the cursor pad up and down
arrows. The performance of these programs is intolerably sluggish (in my
opinion) when run on anything less than a P-III 600 or so.

This series includes a lot of hot-dog features such as automatically rotating
the map presentation based on the current heading reported by the GPS so that
"up" on the screen is always the direction you are travelling (not always
NORTH).     [This sounds like a neat idea,  but I found the constant rotating
of the map in city driving incredibly  distracting and disorienting. Not to
mention the even greater strain on Windows resouces struggling to constantly
reproject and redraw the screen! ]    These programs also include rudimentary
voice-command capability which barely works, the ability to actually add new
roads to the program database, split screen displays that can show a
```

steet-level map on half the screen and a wider-view regional context map in the other half that scroll together (SA2003 and TopoUSA Ver 4.0). The second window can also display map data from another source entirely, such as optional satellite 10-meter res photos or USGS topo maps. The more recent products of this family have a multi-layer capability similar to a CAD program that lets you overlay multiple layers of user-supplied data.

The installation of the newer version Delorme products registers dozens of new OCX modules with the Windows operating system, meddles with the TCP/IP functions (they have one of those phone-home-over-the-Internet-for-registration-and-updates features), overwrite several shared system file with supposedly newer ones. I have had numerous system stability and random browser crashing problems after installing these newer versions.

The only one of the "new-breed" programs I use is TopoUSA 3.0 (Topo 1 and 2 were absolute performance dogs and Topo 4 was so buggy I returned it to Delorme for a refund.)

In addition there are just plain errors in the install routine -- some paths for components to be installed are HARD CODED to C:\WINDOWS. If you have Win 9x on a drive other than C: or use NT/2K/XP where the system directory is named WINNT instead, the GPS components will fail to install. [Unless you want to locate and hand-edit an incorrect batch file in the program directory and re-run it. That's right, these Win32 applications actually use a DOS batch file as part of their install!!] I have tried to notify Delorme about this for over three years and STILL new releases continue to have this flaw.

All programs old and new utilize the same GPS handler and work with the same range of GPS devices (Delorme Earthmate proprietary, generical NMEA, and a variety of Garmins and Magellans) and produce the same green arrow "bread crumb" tracks overlaid on the map.

Stephen H. Smith   wa8lmf @ aol.com
Home Page: http://wa8lmf.com
Ham Radio/Mobile SSTV page: http://members.aol.com/wa8lmf/ham
APRS Stuff
http://members.aol.com/wa8lmf/aprs

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| GPS Custom Mapping   &   Radio Coverage Surveys
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86. [aprssig] Garmin Connector again

From: Bob Bruninga <bruninga@usna.edu>
Date: Wed, 4 Dec 2002 18:10:15 -0500 (EST)
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-109610-2002.12.04-17.55.06--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Needed a Garmin Cable WITH power (tonight!)
One in the box is DB-9 but 3 wire and no power.
So drilled out the power pin from the back
Put in a pin from an old DB-25 and ran the 4th wire down the cable
    a few feet where I dug into the cable to get the ground and
    then spliced in a cigarette adapter.
A dab of glue to hold the pin in place, and bingo, turned a useless cable into something useful.

Trick is drilling through the back of the plug to where you just hit the back of the pin. Then use something to push the old pin out through the back for a clean hole all the way through..

Your millage will vary. P.S. It wasnt my cable, so I could take the risk <grin>

FOOTBALL RUN STARTS ON THURSDAY AT NOON in Annapolis. and runs 300 miles + to NJ Meadownlands. Watch for FBALL and CHASE... under club call W3ADO.

Bob, WB4APR

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87. [aprssig] Annual FOOTBALL RUN Thursday

From: Bob Bruninga <bruninga@usna.edu>
Date: Wed, 4 Dec 2002 18:11:49 -0500 (EST)
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: aprsnews@lists.tapr.org
Message-ID: <LYR842-109613-2002.12.04-17.57.12--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

FOOTBALL RUN STARTS ON THURSDAY AT NOON in Annapolis, MD. and runs 300
miles + to NJ Meadownlands on Saturday. Watch for FBALL and CHASE...
under club call W3ADO.

de WB4APR@amsat.org, Bob

WEB page   http://www.ew.usna.edu/~bruninga/fball2002.html

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---

88. [aprssig] Re: APRS-SA and Street Atlas 2003

From: "Joe Dorn" <joedorn@stonemedia.com>
Date: Wed, 4 Dec 2002 18:06:06 -0600
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-109626-2002.12.04-18.53.15--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

I fired of a 'hot' note to Delorme after installing 2003... I have used SA almost since
day one and 2003 is truly a dog. I have it on my desktop but it will never see the
read-write heads on my laptop... It is also the last Delorme product I intend to buy and I
have bought almost all of them through the years...

(We travel across the USA quite a bit and have depended on SA for a couple of hundred
thousand miles.)

Joe Dorn, W5VEX, Belton, Texas

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---

89. [aprssig] Re: SSID Routing and FIRST option...

From: Bill Vodall - WA7NWP <wa7nwp@yahoo.com>
Date: Wed, 04 Dec 2002 16:49:39 -0800
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-109629-2002.12.04-19.37.39--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

It's too quiet here.

At 05:56 PM 12/3/02 -0500, Bob Bruninga wrote:

>My thoughts are that PATH selection and how the packet is handled should
>always be at the SENDER's option, not be forced by a digi.

Let's take this a step more towards the generic which is hopefully both
easier to use and more efficient in the network.

If the Sender wants to force a packet up the network from DigiA to DigiB to
DigiC - then it's easy to hard code that path.

If the user wants to hard code the path to take 3 hops, then that's what they
get with FIRST or NOID routing.

>   SHORTEST PACKETS, he should use the path of WIDE3-3
>   SOURCE TRACKING, he should use the path of WIDE,WIDE2-2 (or RELAY...
>   TRACE TRACKING,   he should use the path of TRACE3-3

Right. But in defense of FIRST routing, once it's been heard at the DIGI, then it doesn't matter near as much. The packet has entered the system and that's the hard part where saving the 8 bytes might make a difference. Adding 8 bytes to the packet after it's bouncing from WIDE to WIDE isn't going to make much difference. After all, all the WIDE digi's are already optimized proper deviation and minimum TXDelay, etc. (right? :-))

>So I appreciate the effort to implement FIRST, but it prevents users from
>using the shortest possible path of just a naked WIDE3-3.
>
>HOWEVER, since I believe that DIGI-NED and your code also support SSID
>routing, then, and that is even 7 bytes shorter than even the shortest
>one-hop digi packet. So in that case, the local digi could do "FIRST"
>modification, because if the user wants the shortest possible path, then
>he will simply use the SSID method (-SS)...

Now that I have a second PIC-E and I'm playing with the configurations, I'm going to give this a try.

>Ah HA! How about this for the SSID routing.

Too complicated...   This is a really good thing we don't want accidentally turned off.

>SSID ROUTING based on 0-15 SSID''s. Where the SSID is a 4 bit binary
>number "HHPS"
>
>where "HH" are the two HOP bits (0, 1, 2 or 3 hops)
>Where "P" is the priority bit (0 is routine, 1 is priority)
>Where "S" is the "source" bit. If "1", then it tells the SSID-Digipeater
>   to INSERT the SOURCE Digipeater identification in the digipeated
>   packet as you have proposed. THus

Network level functions, like the S bit, is a don't care to the user.   SOURCE Digipeater identification is a good thing for the network. Users don't need to worry about it when setting up their configuration.   It only complicates things.

>As usual for an SSID packet, the SSID is decremented after each hop.
>We need nothing higher than 3 hops in a mature APRS system, and if someone
>needs to use a longer path, then he can use WIDE4-4 or whatever...

AMEN!

>I like this, I have wanted to modify the SSID routing system to recover
>the two "directional routing bits" so that we can have a priority bit, but
>until now, never had a good idea as to what to do with the 4th bit.

I'd much rather see adoption of a LOGICAL PATH flag.   This is a carry on of the LOCAL, REGION, WORLD, IGATE paths we've discussed.

```
   WA7NWP>APZ999-12 - goes to LOCAL
   WA7NWP->APZ999-13 - goes to REGION
   WA7NWP->APZ999-14 - goes to WORLD
   WA7NWP->APZ999-15 - goes to the nearest IGATE
```

The smart digipeaters like DIGI-NED would see those and regenerate packets with the appropriate path.   In my local setup that would be:

```
   WA7NWP->APZ999-12 - resent as:  WA7NWP>APZ-12,REDMND*:
   WA7NWP->APZ999-13 - resent as:  WA7NWP->APZ-12,REDMND*,WIDE
   WA7NWP->APZ999-14 - resent as:  WA7NWP->APZ-12,REDMND*,WIDE3-2
   WA7NWP->APZ999-15 - not digipeated.  REDMND is an IGATE
```

Other systems in other communities could have totally different path definitions.

>Using it to signal whether we want the FIRST digi identified or not is a
>good possibility to consider. This is because it leaves the originator in
>control of his packets, and the digi only does what it is told...

Again, I believe the user can use explicit paths if necessary and desired. Network paths are open to the local definition of the network.   That's what will make this work well in all regions.   A user configuration won't change - the locals can tweak operation for their unique conditions.

73,
Bill - WA7NWP

>de WB4APR, BOb

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90. [aprssig] Re: etrex stats + bonus

From: "Wes Johnston" <wes@johnston.net>
Date: Wed, 4 Dec 2002 20:24:25 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-109630-2002.12.04-20.09.39--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Some bits and pieces and what I learned today...

yellow etrex draws 130ma at 3v

The backlight won't go out if powered from external power, on internal batteries, the backlight times out after a few seconds.

max voltage is 3.25, but I'm guessing 3.3 will work.

MAX604 is a maxim low dropout regulator that will supply 3.3volts and has a pin labled NOToff. Making this pin high will cause the regulator to come on. The current consumed by this pin is like 10uA.

rpelectronics.com has a vibration detector (p/n ss-040) which is nothing more than a weight (pendulum) on a springy steel arm for $4, and a resetable timer for $12 or $15 (p/n uk197).

Here's the plan...

Supply power to my dumb NMEA tracker all the time via the vibration switch and resettable timer and a relay. When the car moves, the timer comes on for 5 minutes or more. When the car is parked, the timer shuts down the radio on a large power relay.

How's that for stopping a tracker from beaconing all day?

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91. [aprssig] Re: etrex stats + bonus

From: David VanHorn <dvanhorn@cedar.net>
Date: Wed, 04 Dec 2002 20:33:24 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-109634-2002.12.04-20.21.41--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

>
>How's that for stopping a tracker from beaconing all day?

Works, but it's somewhat more complicated than a programmed micro watching the NMEA stream and pulling the plug if speed <1MPH for >10 mins. (or some other programmable parameter)

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92. [aprssig] Re: Receipts

From: "Doug Younker" <dougy@ruraltel.net>
Date: Wed, 4 Dec 2002 16:00:02 -0600
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: "APRS Sig" <aprssig@lists.tapr.org>
Message-ID: <LYR842-109644-2002.12.04-20.56.29--lyris.aprssig#tapr.org@lists.tapr.org>

Rendered body type: text/plain

----- Original Message -----
From: "Ronald Reams"Subject: [aprssig] Re: Receipts

: My OE only sends receipt reequests to non-list addresses.
: That is the default.
:
: 73 de Ronnie

Interesting; my version of OE it takes a deliberate action,under the tools
menu, to send receipt request. Anyway I can't recall very many coming from
posts to aprssig.--73
Doug, N0LKK
dougy@ruraltel.net

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93. [aprssig] Re: Receipts

From: "Peter \"Dakota\" Summerhawk" <dakotas@dotorg.org>
Date: Wed, 4 Dec 2002 19:51:01 -0700
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-109647-2002.12.04-21.35.29--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Some system admins have it set up in the server and it cant be turned off in
the user settings so the sysadmin can track mail delivery. I have it set up
for a few of my clients but I have turned off for the list.

-----Original Message-----
From: bounce-aprssig-29797@lists.tapr.org
[mailto:bounce-aprssig-29797@lists.tapr.org]On Behalf Of Doug Younker
Sent: Wednesday, December 04, 2002 3:00 PM
To: TAPR APRS Special Interest Group
Cc: APRS Sig
Subject: [aprssig] Re: Receipts

----- Original Message -----
From: "Ronald Reams"Subject: [aprssig] Re: Receipts

: My OE only sends receipt reequests to non-list addresses.
: That is the default.
:
: 73 de Ronnie

Interesting; my version of OE it takes a deliberate action,under the tools
menu, to send receipt request. Anyway I can't recall very many coming from
posts to aprssig.--73
Doug, N0LKK
dougy@ruraltel.net

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94. [aprssig] Re: etrex stats + bonus

From: "Mark Fellhauer" <sparkfel@qwest.net>
Date: Wed, 04 Dec 2002 21:06:45 -0600
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-109648-2002.12.04-21.53.18--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

At 07:24 PM 12/4/02, Wes Johnston wrote:

>Here's the plan...
>
>Supply power to my dumb NMEA tracker all the time via the vibration switch
>and resettable timer and a relay. When the car moves, the timer comes on
>for 5 minutes or more. When the car is parked, the timer shuts down the
>radio on a large power relay.
>
>How's that for stopping a tracker from beaconing all day?

How about setting up two strings in a KPC-3+ so that one beacons at a fast rate when movement is sensed, and then reducing the rate when the car is not moving.

73,

Mark
KC7BXS

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---

95. [aprssig] YAESU FT2600M $109.95

From: "Cap Pennell" <cap@cruzio.com>
Date: Wed, 4 Dec 2002 20:21:47 -0800
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-109654-2002.12.04-23.06.48--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

I just received my new

YAE FT2600M YAESU 60W 2M FM XCVR/TTP MIC# $109.95 *

from AES

http://www.aesham.com

Seemed like a good price for what I hope becomes a good APRS radio.

73, Cap KE6AFE

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96. [aprssig] Small 12 Volt LCD Monitor

From: "Mark Fellhauer" <sparkfel@qwest.net>
Date: Wed, 04 Dec 2002 23:44:51 -0600
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-109678-2002.12.05-00.41.44--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

I was at Best Buy tonight and saw that they have a 10.4" LCD TV/SVGA
Monitor for $500.00.

http://www.bestbuy.com/detail.asp?e=11169469&m=1&cat=24&scat=1222

350 nits
Contrast Ratio - 250:1
12 volts
181 Channel Cable Tuner
S-Video Input
Composite Input
SVGA Input

We're getting very close to an affordable LCD SVGA display for automotive
use. But not yet.
I also think that you're only going to get acceptable daylight viewing when
you get into the 1200 nits range.
But this would be good for a Van/RV/Boat

TV option would make a good ATV receiver...

Regards,

Mark
KC7BXS

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97. [aprssig] Re: etrex stats

From: Robert W Burton <kd4ydc@juno.com>
Date: Thu, 5 Dec 2002 06:50:06 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-109688-2002.12.05-06.42.30--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Does the Etrex use the same connector plug as the old Garmin 45?
73,
Robert
<sniP>

Subject: Re: etrex stats
From: Alex <kr1st@amsat.org>
Date: Wed, 04 Dec 2002 08:37:08 -0500
X-Message-Number: 5

Mike Yetsko wrote:

> I never investigated the ETrex like that, but I bought my son one for
> Christmas a year ago. NICE little unit. Very inexpensive, and works
> quite well.

And may still be on sale at Target for 89 dollars. Dunno if it was a two
day only sale last weekend.

73,
--Alex KR1ST

____
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98. [aprssig] Re: etrex stats

From: Juergen Frank <db2fm@jfsattv.de>
Date: Thu, 05 Dec 2002 13:46:09 +0100
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-109690-2002.12.05-07.31.04--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

No! It's different! eTrex (and eMap) have a small connector with 4 contacts
in line, other Garmin units have a round 4-pole connector (with or without
hole in the middle (for units that don't accept 12 V).

73 de Juergen db2fm

am 05.12.2002 12:50 Uhr schrieb Robert W Burton unter kd4ydc@juno.com:

> Does the Etrex use the same connector plug as the old Garmin 45?
> 73,
> Robert
> <sniP>
>
>

```
> Subject: Re: etrex stats
> From: Alex <kr1st@amsat.org>
> Date: Wed, 04 Dec 2002 08:37:08 -0500
> X-Message-Number: 5
>
> Mike Yetsko wrote:
>
>> I never investigated the ETrex like that, but I bought my son one for
>> Christmas a year ago.  NICE little unit.  Very inexpensive, and works
>> quite well.
>
> And may still be on sale at Target for 89 dollars. Dunno if it was a two
> day only sale last weekend.
>
> 73,
> --Alex KR1ST

--
DB2FM
Juergen Frank
mailto: db2fm@amsat.org
mailto: db2fm@darc.de
mailto: db2fm@jfsattv.de
ICQ:    144135020


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```

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99. [aprssig] Re: etrex stats + bonus

From: "Don" <kyham@alltel.net>
Date: Thu, 5 Dec 2002 07:56:11 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-109691-2002.12.05-07.43.14--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

```
I just run mine off the key switch.  Turn car off, TTII and radio off.    I
run the GPS 24/7.  Only problem it turns itself off in cold weather.


Don            K9SOA   (EM77EX)
HF-2m-70cm-APRS
www.k9soa.net

Home of JEANNIE
The House That Listens
As seen on HGTV's Dream Builder Show
and the Featured Home of the Month
Home Automation magazine
March 2002 issue


----- Original Message -----
From: Wes Johnston <wes@johnston.net>
To: TAPR APRS Special Interest Group <aprssig@lists.tapr.org>
Sent: Wednesday, December 04, 2002 8:24 PM
Subject: [aprssig] Re: etrex stats + bonus


> Some bits and pieces and what I learned today...
>
> yellow etrex draws 130ma at 3v
>
> The backlight won't go out if powered from external power, on internal
> batteries, the backlight times out after a few seconds.
>
> max voltage is 3.25, but I'm guessing 3.3 will work.
>
> MAX604 is a maxim low dropout regulator that will supply 3.3volts and has
a
> pin labled NOToff.  Making this pin high will cause the regulator to come
> on.  The current consumed by this pin is like 10uA.
>
> rpelectronics.com has a vibration detector (p/n ss-040) which is nothing
> more than a weight (pendulum) on a springy steel arm for $4, and a
resetable
> timer for $12 or $15 (p/n uk197).
```

>
> Here's the plan...
>
> Supply power to my dumb NMEA tracker all the time via the vibration switch
> and resettable timer and a relay. When the car moves, the timer comes on
> for 5 minutes or more. When the car is parked, the timer shuts down the
> radio on a large power relay.
>
> How's that for stopping a tracker from beaconing all day?
>
>
> ---
> You are currently subscribed to aprssig as: kyham@alltel.net
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> Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org
>

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100. [aprssig] Re: YAESU FT2600M $109.95

From: "Don" <kyham@alltel.net>
Date: Thu, 5 Dec 2002 07:57:47 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-109692-2002.12.05-07.45.03--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

I use the 2600 for a digi and it works great.   Been running 24/7 for about 6 months. No problems.

Don   K9SOA   (EM77EX)
HF-2m-70cm-APRS
www.k9soa.net

Home of JEANNIE
The House That Listens
As seen on HGTV's Dream Builder Show
and the Featured Home of the Month
Home Automation magazine
March 2002 issue

----- Original Message -----
From: Cap Pennell <cap@cruzio.com>
To: TAPR APRS Special Interest Group <aprssig@lists.tapr.org>
Sent: Wednesday, December 04, 2002 11:21 PM
Subject: [aprssig] YAESU FT2600M $109.95

> I just received my new
>
> YAE FT2600M YAESU 60W 2M FM XCVR/TTP MIC# $109.95 *
>
> from AES
>
> http://www.aesham.com
>
> Seemed like a good price for what I hope becomes a good APRS radio.
>
> 73, Cap KE6AFE
>
>
>
> ---
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>
>

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101. [aprssig] Re: etrex stats + bonus

From: Alex <kr1st@amsat.org>
Date: Thu, 05 Dec 2002 08:15:31 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: TAPR APRS Special Interest Group <aprssig@lists.tapr.org>
Message-ID: <LYR842-109694-2002.12.05-07.58.14--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Wes Johnston wrote:

> How's that for stopping a tracker from beaconing all day?

Way cool, Wes!

Another way is to check your fuel pump relay for unused contacts and use those to turn on your tracker. If no contacts available, use a voltage sensing circuit to determine if the fuel pump relay is being engaged and have that circuit turn on your tracker. Of course, if the vehicle gets towed it wouldn't work. It would with your method. Hmmmm. Perhaps the gear sensor or parking brake sensor (just switches) may open up opportunities. :)

73,
--Alex KR1ST

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---

102. [aprssig] RE: Annual FOOTBALL RUN Thursday

From: "Bob D." <n2iph@comcast.net>
Date: Thu, 05 Dec 2002 08:12:49 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-109696-2002.12.05-07.58.48--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

They sure picked great weather!
Will make for some sloppy running.

73, Bob, N2IPH

Join the Ham Radio operators SETI Team # 8088
http://setiathome.ssl.berkeley.edu/stats/team/team_8088.html

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---

103. [aprssig] Re: etrex stats + bonus

From: "Wes Johnston" <wes@johnston.net>
Date: Thu, 5 Dec 2002 08:47:52 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-109697-2002.12.05-08.33.02--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

----- Original Message -----
From: "Alex" <kr1st@amsat.org>
> gear sensor or parking brake sensor (just switches) may open up
> opportunities. :)

A favorite of mine is to have the tracker in the car when I drop it off at the shop. When the guys are done working on it (really happened with my wife's car), they test drove it. I just watched for the tracker to activate, and knew they were done. Kinda suprized them.

This brings to light the suggestion made months ago about tieing the brake light into your tracker. Since most people hit the brakes when they turn (because they have automatic transmissions), the brake light would cause the tracker to transmit. Wonder if this could be used with a tiny trak mode change... have mode 1 set for 3 minute intervals, and mode 2 set for 10 second intervals. The brake lights change the mode from 1 to 2.

Of course this is way off from where I started... a tracker which draws zero
power when parked, but closer to aprs than radio shack.... lol.

Wes

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---

104. [aprssig] Re: Small 12 Volt LCD Monitor

From: "Gregg G. Wonderly" <gregg@skymaster.cytetech.com>
Date: Thu, 05 Dec 2002 08:17:30 -0600
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: TAPR APRS Special Interest Group <aprssig@lists.tapr.org>
Message-ID: <LYR842-109700-2002.12.05-09.02.24--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

>We're getting very close to an affordable LCD SVGA display for automotive
>use. But not yet.
>I also think that you're only going to get acceptable daylight viewing when
>you get into the 1200 nits range.
>But this would be good for a Van/RV/Boat
>TV option would make a good ATV receiver...

I am watching for the ~$350.00 price on these devices exactly for ATV use.
There are TV devices with SVGA in, and computer devices with TV tuners. It
will be interesting to see which camp gets to the price first!

-----
gregg@cytetech.com (Cyte Technologies Inc)

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---

105. [aprssig] Re: Small 12 Volt LCD Monitor

From: Dale Blanchard <wa7ixk@earthlink.net>
Date: Thu, 05 Dec 2002 06:27:31 -0800
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: TAPR APRS Special Interest Group <aprssig@lists.tapr.org>
Message-ID: <LYR842-109704-2002.12.05-09.13.14--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

I bought a used pull out I think an airplane , 6 inch monitor, video in
only , for $20.00 at a swap meet last month.

Mark Fellhauer wrote:

>
> I was at Best Buy tonight and saw that they have a 10.4" LCD TV/SVGA
> Monitor for $500.00.
>
> http://www.bestbuy.com/detail.asp?e=11169469&m=1&cat=24&scat=1222
>
> 350 nits
> Contrast Ratio - 250:1
> 12 volts
> 181 Channel Cable Tuner
> S-Video Input
> Composite Input
> SVGA Input
>
> We're getting very close to an affordable LCD SVGA display for
> automotive use. But not yet.
> I also think that you're only going to get acceptable daylight viewing
> when you get into the 1200 nits range.
> But this would be good for a Van/RV/Boat
> TV option would make a good ATV receiver...
>
>
> Regards,
>
> Mark
> KC7BXS

```
>
>
>
>
>
> ---
> You are currently subscribed to aprssig as: WA7ixk@earthlink.net
> To unsubscribe send a blank email to leave-aprssig-842K@lists.tapr.org
> Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org
>
>
>



---
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```

---

106. [aprssig] Re: etrex stats

From: Gerry Creager N5JXS <gerry.creager@tamu.edu>
Date: Thu, 05 Dec 2002 08:50:27 -0600
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: TAPR APRS Special Interest Group <aprssig@lists.tapr.org>
Message-ID: <LYR842-109710-2002.12.05-09.34.30--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

```
Sounds a lot like the connector they originally used on the GPS55AVD, a
real early aviation GPS receiver.

gerry

Juergen Frank wrote:
> No! It's different! eTrex (and eMap) have a small connector with 4 contacts
> in line, other Garmin units have a round 4-pole connector (with or without
> hole in the middle (for units that don't accept 12 V).
--
Gerry Creager -- gerry.creager@tamu.edu
Network Engineering, Academy for Advanced Telecommunications
Texas A&M University, College Station, TX
Office: 979.458.4020 FAX: 979.847.8578 Cell: 979.229.5301
Page: 979.228.0173 -or- gcreager@my2way.com


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```

---

107. [aprssig] Re: Receipts

From: "Ronald Reams" <wa4mjf@worldnet.att.net>
Date: Thu, 5 Dec 2002 10:18:28 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: "APRS Sig" <aprssig@lists.tapr.org>
Message-ID: <LYR842-109711-2002.12.05-10.04.14--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

```
The default is not sendin' receipts
to lists.

I have the receipts for others set.
That way I know a message got
through and no need to resend.

73 de Ronnie


----- Original Message -----
From: "Doug Younker" <dougy@ruraltel.net>
To: "Ronald Reams" <wa4mjf@worldnet.att.net>; "TAPR APRS Special Interest
Group" <aprssig@lists.tapr.org>
Cc: "APRS Sig" <aprssig@lists.tapr.org>
Sent: Wednesday, December 04, 2002 17:00
Subject: Re: [aprssig] Re: Receipts



----- Original Message -----
```

From: "Ronald Reams"Subject: [aprssig] Re: Receipts

: My OE only sends receipt reequests to non-list addresses.
: That is the default.
:
: 73 de Ronnie

Interesting; my version of OE it takes a deliberate action,under the tools menu, to send receipt request. Anyway I can't recall very many coming from posts to aprssig.--73
Doug, N0LKK
dougy@ruraltel.net

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108. [aprssig] The AAG weather station with the T-238

From: "Mike Yetsko" <myetsko@insydesw.com>
Date: Thu, 5 Dec 2002 11:54:25 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-109716-2002.12.05-11.41.04--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

I just received 3 of the AAG weather stations for use with a software product I'm working on.

Nice! Seems to be even a bit better than the original DS unit I have on the roof hooked to my T-238.

But...

It's different. Now version 3.0, it no longer has the 8 addressable switches, and there are other changes to the circuitry. (It uses a 4-channel A/D circuit to detect wind direction.)

Oh, it appears better. Lower power too.

But not the same.

Anyone start working on the T-238 code yet to support it?

Mike

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109. [aprssig] Re: The AAG weather station with the T-238

From: "Mike Yetsko" <myetsko@insydesw.com>
Date: Thu, 5 Dec 2002 12:51:28 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-109730-2002.12.05-12.38.09--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

> The T-238 has supported the AAG for quite a few while, now. Check
> http://www.beals5.com/wx to get the latest firmware.
>
> - Rich

Unless I missed something, the latest code there is 1.13.01. The AAG units changed to version 3.0 sometime well after that. The new units are NOT COMPATIBLE with the original DS units. They do not use the 8 sensors for wind direction. I see no mention of that on any of the pages on the page you sent me to.

Mike

```
---
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```

110. [aprssig] Re: Dell Axiom X5

From: "Mark Fellhauer" <sparkfel@qwest.net>
Date: Thu, 05 Dec 2002 13:51:09 -0600
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-109736-2002.12.05-14.36.22--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

```
One of my friends just received her Axiom - Two weeks early.   I'll let
people know more when I do...


Mark




>At 01:07 PM 11/29/02, Jack Smith wrote:
>
>>Does anyone have any experience using the Dell Axiom X5 with APRS-CE?

At 02:59 PM 11/29/02, Mark Fellhauer wrote:

>Considering Dell has not released the Axiom to the general public, in a
>word, NO.   In fact, they keep pushing back the release date.   Last I
>checked it was December 19.
>
>I do know somebody who has a pre-production unit and is quite impressed
>with it.   Since the hardware is pretty much standard in the PPC lineup, I
>see know reason why it should run any differently than on any other PPC.
>
>I will say that pre-production units have shown a problem with screen
>flicker while scrolling, but I think I could put up with a little screen
>flicker for a PPC that's 200 bucks less than comparable PPC's.




---
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```

111. [aprssig] RE: Friend on a Trip to Florida

From: Henk de Groot <henk.de.groot@hetnet.nl>
Date: Thu, 05 Dec 2002 21:24:28 +0100
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-109740-2002.12.05-15.20.56--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

```
Hello Bill,

At 12:46 3-12-02 -0800, Bill Vodall - WA7NWP wrote:
>Speaking of which...   I dropped a note on the Digi_ned tech forum a couple
>days ago and didn't get an answer yet.

Sorry, to be honest, I don't look there very often. Most of the time Remko,
PE1MEW, catches the message (he gets mail when somebody posts a message)
but I know he is very busy since he changed his job a few months ago.

>So, the digi_ned question is: Is there a way to catch a packet like the above,
>only if it's the "first-digi", and drop in the digi_ned system call.
>
>The packet would be rewritten from:
>
>WA7NWP>APZ,WIDE7-7: stuff
>
>to
>
>WA7NWP>APZ,REDMND,WIDE7-6: stuff

I see. I don't think it can be done today sinc digi_ned cannot see the
difference between WIDE7-7 at the start of the list or WIDE7-7 further in
the via list. So if you change the rules then all WIDE7-7's will be
digipeated with the additional call.

I will look into this. I was busy to make a release a new version, maybe I
```

can just hold it for a moment and add the possibility to do this.

I'm thinking of something like:

digifirst:

That behaves like "digipeat:" but only accepts the packet if a match is found with the digipeater that is due and is the first digipeater in the via list and

diginext:

That behaves like "digipeat:" but only accepts the packet if a match is found with the digipeater that is due and is *not* the first digipeater in the via list.

So the now existing rule:

```
digipeat: all wide7-7 all swap0 wide7-6
```

can be replace with:

```
digifirst: all trace7-7 all swap REDMND,trace7-6
diginext: all wide7-7 all swap0 wide7-6
```

I think that would solve your puzzle. I will have a go at it, hopefully we can still have it in the next version (DIGI_NED 0.3.3).

Kind regards,

Henk.

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---

112. [aprssig] Baycom Hardware Alternatives

From: Adi Linden <adil@adis.on.ca>
Date: Thu, 5 Dec 2002 17:25:45 -0600 (CST)
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-109751-2002.12.05-18.08.56--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

I am looking at building Baycom type modems to use on a Linux computer. I find the modem chips difficult to get. Has anyone any suggestions for alternate hardware? I've seen a design using the XR2206/XR2211 for mod and demod, any thoughts on that?

Thanks,
Adi
va3adi

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Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

---

113. [aprssig] HP 100LX

From: "Reid Crowe" <kc0idi@techie.com>
Date: Thu, 05 Dec 2002 18:30:29 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-109752-2002.12.05-18.15.27--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

I was wondering if anyone on the list had luck with running DOSAPRS or any other packet programs on the HP 100LX Palmtop. If you have please let me know. Please reply to kc0idi@arrl.net
Thank you

73 de KC0IDI

Please reply to kc0idi@arrl.net

--
____
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One click access to the Top Search Engines
http://www.exactsearchbar.com/mailcom

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Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

114. [aprssig] Re: The AAG weather station with the T-238

From: "Russ Chadwick" <kb0tvj@peakpeak.com>
Date: Thu, 5 Dec 2002 23:30:48 -0000
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: "Will Beals" <will@beals5.com>
Message-ID: <LYR842-109753-2002.12.05-18.16.02--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

A number of people have used the T238 with the most recent version of the
firmware on the web page below and the latest weather station from AAG and
have reported no problems. Station W0DVW near Divide, Colorado is one of
them. You can check that data and contact the builder, Scott, here

http://www.wxqa.com/states/CO.html

Russ Chadwick   KB0TVJ
Boulder, Colorado
www.wxqa.com

----- Original Message -----
From: "Mike Yetsko" <myetsko@insydesw.com>
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Sent: Thursday, December 05, 2002 5:51 PM
Subject: [aprssig] Re: The AAG weather station with the T-238

> >   The T-238 has supported the AAG for quite a few while, now. Check
> > http://www.beals5.com/wx to get the latest firmware.
> >
> > - Rich
>
> Unless I missed something, the latest code there is 1.13.01. The AAG
> units changed to version 3.0 sometime well after that. The new
> units are NOT COMPATIBLE with the original DS units. They do
> not use the 8 sensors for wind direction. I see no mention of that
> on any of the pages on the page you sent me to.
>
> Mike
>
>
>
> ---
> You are currently subscribed to aprssig as: kb0tvj@peakpeak.com
> To unsubscribe send a blank email to leave-aprssig-842K@lists.tapr.org
> Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org
>
>

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Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

115. [aprssig] Re: HP 100LX

From: Bill Vodall - WA7NWP <wa7nwp@yahoo.com>
Date: Thu, 05 Dec 2002 16:08:29 -0800
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: kc0idi@arrl.net
Message-ID: <LYR842-109756-2002.12.05-18.57.10--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

At 06:30 PM 12/5/02 -0500, Reid Crowe wrote:
>I was wondering if anyone on the list had luck with running DOSAPRS or any other packet programs on the HP 100LX Palmtop. If you have please let me know.
>Thank you
>

>73 de KC0IDI

Map drawing is a bit slow but otherwise DOSAPRS works great on an HP-100LX. A compact flash ram disk makes it a good little system. JNOS is another packet program that works well on the HP-100.

Bill, WA7NWP

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Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

116. [aprssig] Re: YAESU FT2600M $109.95

From: "Ryan" <n2yqt@nycap.rr.com>
Date: Fri, 6 Dec 2002 5:31:54
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-109789-2002.12.06-06.16.51--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

I usd it as a base APRS rig and had no problems.... Due to my location I had to run it at full power to get it out... It never gave me any trouble...

Ryan
N2YQT

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117. [aprssig] Regular stickers for magmounts?

From: Alex <kr1st@amsat.org>
Date: Fri, 06 Dec 2002 08:12:26 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-109790-2002.12.06-07.55.16--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Hi there,

I know I had a sticker for the bottom of a magmount antenna, but lost it in the move (just like a soldering iron, which I found after I bought a new one....figures!). I'm not sure there's anything special about those magmount stickers, so I wonder if it is possible to use regular stickers (perhaps the mylar kind?). Does anyone have experience with using regular
stickers for the bottom of a magmount?

Thanks and 73,
--Alex KR1ST

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118. [aprssig] RE: Regular stickers for magmounts?

From: "Jimmy Burkhalter" <kb5wio@tcac.net>
Date: Fri, 6 Dec 2002 09:17:59 -0600
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-109802-2002.12.06-10.02.52--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

I have been know to use regular old clear box tape to cover the bottom. All that sticker is for is to protect the roof of your car.

http://www.findu.com/cgi-bin/find.cgi?call=kb5wio-9&radar=***

Jimmy Burkhalter   KB5WIO
Amarillo, Texas

kb5wio@tcac.net

35:9:6 N 101:52:332 W

-----Original Message-----
From: bounce-aprssig-29244@lists.tapr.org
[mailto:bounce-aprssig-29244@lists.tapr.org]On Behalf Of Alex
Sent: Friday, December 06, 2002 7:12 AM
To: TAPR APRS Special Interest Group
Subject: [aprssig] Regular stickers for magmounts?

Hi there,

I know I had a sticker for the bottom of a magmount antenna, but lost it
in the move (just like a soldering iron, which I found after I bought a
new one....figures!). I'm not sure there's anything special about those
magmount stickers, so I wonder if it is possible to use regular stickers
(perhaps the mylar kind?). Does anyone have experience with using
regular
stickers for the bottom of a magmount?

Thanks and 73,
--Alex KR1ST

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119. [aprssig] chestpack for APRS website

From: "Peter \"Dakota\" Summerhawk" <dakotas@dotorg.org>
Date: Fri, 6 Dec 2002 08:59:25 -0700
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-109806-2002.12.06-10.44.00--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Morning All,
Found a neat website that has some chest packs that might be of interest to
the APRS community for holding all of your gear if running aprs mobile.

http://www.thielsen.net/cgi-bin/store/commerce.cgi?product=rg

Looks like there area few that will hold multiple radios plus GPS and phone
all at once.

Just some information for the group.

Peter N0WRE

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Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

120. [aprssig] Re: chestpack for APRS website

From: "fred houghton" <ve7ffk@mail.ocis.net>
Date: Fri, 6 Dec 2002 08:38:41 -0800
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-109810-2002.12.06-11.27.33--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Hi All:
The BEST "Chest Pach" I have found is by ScotteVest. Have a look at
scottevest@tecnologyenabledclothing.com
They really know what they are doing.
Cheers - Fred - VE7FFK

----- Original Message -----
From: "Peter "Dakota" Summerhawk" <dakotas@dotorg.org>
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Sent: Friday, December 06, 2002 7:59 AM
Subject: [aprssig] chestpack for APRS website

> Morning All,

```
> Found a neat website that has some chest packs that might be of interest
to
> the APRS community for holding all of your gear if running aprs mobile.
>
> http://www.thielsen.net/cgi-bin/store/commerce.cgi?product=rg
>
> Looks like there area few that will hold multiple radios plus GPS and
phone
> all at once.
>
> Just some information for the group.
>
> Peter N0WRE
>
>
> ---
> You are currently subscribed to aprssig as: ve7ffk@mail.ocis.net
> To unsubscribe send a blank email to leave-aprssig-842K@lists.tapr.org
> Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org
>
>
>



---
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Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org
```

---

121. [aprssig] Re: chestpack for APRS website

From: "Peter \"Dakota\" Summerhawk" <dakotas@dotorg.org>
Date: Fri, 6 Dec 2002 09:58:34 -0700
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-109811-2002.12.06-11.43.07--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

```
Doesn't that get a little hot during the summer? I had a operation during
the fourth of July event that even a t-shirt was hot would a vest or jacket
be the same way? The chest pack would at least a way to not have an extra
layer on for the hot season.
Just a thought.
Peter N0WRE

-----Original Message-----
From: bounce-aprssig-29797@lists.tapr.org
[mailto:bounce-aprssig-29797@lists.tapr.org]On Behalf Of fred houghton
Sent: Friday, December 06, 2002 9:39 AM
To: TAPR APRS Special Interest Group
Subject: [aprssig] Re: chestpack for APRS website


Hi All:
The BEST "Chest Pach" I have found is by ScotteVest. Have a look at
scottevest@tecnologyenabledclothing.com
They really know what they are doing.
Cheers - Fred - VE7FFK


----- Original Message -----
From: "Peter "Dakota" Summerhawk" <dakotas@dotorg.org>
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Sent: Friday, December 06, 2002 7:59 AM
Subject: [aprssig] chestpack for APRS website


> Morning All,
> Found a neat website that has some chest packs that might be of interest
to
> the APRS community for holding all of your gear if running aprs mobile.
>
> http://www.thielsen.net/cgi-bin/store/commerce.cgi?product=rg
>
> Looks like there area few that will hold multiple radios plus GPS and
phone
> all at once.
>
> Just some information for the group.
>
```

```
> Peter N0WRE
>
>
> ---
> You are currently subscribed to aprssig as: ve7ffk@mail.ocis.net
> To unsubscribe send a blank email to leave-aprssig-842K@lists.tapr.org
> Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org
>
>
>
```

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---

122. [aprssig] Re: Garmin Connector again

From: larry Also <larrytooalso@yahoo.com>
Date: Fri, 6 Dec 2002 09:59:57 -0800 (PST)
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-109819-2002.12.06-12.44.59--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

function SetDomain(d) { document.domain = d; }Bob,

How does one know if the garmin will take 15VDC?   I heard that the e-trex will smoke.

Do you Yahoo!?
Yahoo! Mail Plus - Powerful. Affordable. Sign up now

---

123. [aprssig] Re: etrex stats + bonus

From: larry Also <larrytooalso@yahoo.com>
Date: Fri, 6 Dec 2002 10:05:19 -0800 (PST)
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-109820-2002.12.06-12.50.23--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

function SetDomain(d) { document.domain = d; }Could one not use the minspeed timer that is already there for this function.

Do you Yahoo!?
Yahoo! Mail Plus - Powerful. Affordable. Sign up now

---

124. [aprssig] Re: Garmin Connector again

From: "Don" <kyham@alltel.net>
Date: Fri, 6 Dec 2002 13:21:28 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-109821-2002.12.06-13.10.09--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

How many batteries fit in the unit. 2? then 3v is max. 4? then 6v. 6? then 12 would be the max that I would try. A car cord with a 12v regulator probably would work but not a direct connect since the auto system usually runs in the area of 14v.

Don   K9SOA   (EM77EX)
HF-2m-70cm-APRS
www.k9soa.net

Home of JEANNIE
The House That Listens
As seen on HGTV's Dream Builder Show

```
and the Featured Home of the Month
Home Automation magazine
March 2002 issue


----- Original Message -----
From: larry Also <larrytooalso@yahoo.com>
To: TAPR APRS Special Interest Group <aprssig@lists.tapr.org>
Sent: Friday, December 06, 2002 12:59 PM
Subject: [aprssig] Re: Garmin Connector again


>
> function SetDomain(d) { document.domain = d; }Bob,
>
>
>
>    How does one know if the garmin will take 15VDC?   I heard that the
e-trex will smoke.
>
>
>
> ---------------------------------
> Do you Yahoo!?
> Yahoo! Mail Plus - Powerful. Affordable. Sign up now


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```

---

125. [aprssig] Re: Garmin Connector again

From: "Peter \"Dakota\" Summerhawk" <dakotas@dotorg.org>
Date: Fri, 6 Dec 2002 11:33:24 -0700
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-109824-2002.12.06-13.17.57--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

```
The Garmin 12 has four AA batteries, that gives you 6VDC but the actual
cable from Garmin or blue hills innovation is marked at 8VDC.


-----Original Message-----
From: bounce-aprssig-29797@lists.tapr.org
[mailto:bounce-aprssig-29797@lists.tapr.org]On Behalf Of Don
Sent: Friday, December 06, 2002 11:21 AM
To: TAPR APRS Special Interest Group
Subject: [aprssig] Re: Garmin Connector again


How many batteries fit in the unit.  2? then 3v is max.  4? then 6v.  6?
then 12 would be the max that I would try.  A car cord with a 12v regulator
probably would work but not a direct connect since the auto system usually
runs in the area of 14v.


Don            K9SOA   (EM77EX)
HF-2m-70cm-APRS
www.k9soa.net

Home of JEANNIE
The House That Listens
As seen on HGTV's Dream Builder Show
and the Featured Home of the Month
Home Automation magazine
March 2002 issue


----- Original Message -----
From: larry Also <larrytooalso@yahoo.com>
To: TAPR APRS Special Interest Group <aprssig@lists.tapr.org>
Sent: Friday, December 06, 2002 12:59 PM
Subject: [aprssig] Re: Garmin Connector again


>
> function SetDomain(d) { document.domain = d; }Bob,
>
```

>
>
>   How does one know if the garmin will take 15VDC?   I heard that the
e-trex will smoke.
>
>
>
> ---------------------------------
> Do you Yahoo!?
> Yahoo! Mail Plus - Powerful. Affordable. Sign up now

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Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

126. [aprssig] Re: Garmin Connector again

From: David VanHorn <dvanhorn@cedar.net>
Date: Fri, 06 Dec 2002 13:34:46 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-109825-2002.12.06-13.19.56--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

The manual should tell you how much voltage it will take on the input.

Garmin has a standard with the center pin of the four pin connector, if it's present, it's low voltage and if it's missing it's high voltage. I don't remember the limits offhand though.

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127. [aprssig] Re: Garmin Connector again

From: "Mark Fellhauer" <sparkfel@qwest.net>
Date: Fri, 06 Dec 2002 12:38:35 -0600
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-109826-2002.12.06-13.23.51--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

At 12:21 PM 12/6/02, Don wrote:

>How many batteries fit in the unit. 2? then 3v is max. 4? then 6v. 6?
>then 12 would be the max that I would try. A car cord with a 12v regulator
>probably would work but not a direct connect since the auto system usually
>runs in the area of 14v.
>

I would never make the mistake of judging the input voltage of an electronic device (on it's external power input) by the number of the batteries it takes. Sometimes this works and sometimes it doesn't. And sometimes small consumer electronics use AC external power adapters. I know we're talking about Garmin here - and they don't, but...

Garmin is very good about publishing current and voltage requirements for their products, so they've done the experimenting for you.

73,

Mark
KC7BXS

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Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

128. [aprssig] Re: Garmin Connector again

From: Keith Sproul <ksproul@rci.rutgers.edu>
Date: Fri, 6 Dec 2002 13:46:09 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: aprssig@tapr.org
Message-ID: <LYR842-109828-2002.12.06-13.33.38--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Many of the Garmin's work on 6v -> 36v, This is because of the
Marine/boating world that they started in. The voltage on boats is
much more variable than in cars.

I think that the units with the ROUND 4 pin connector will work on
the wide range of voltage, but the eTres serious probably won't.

PLEASE check your manuals before actually trying this

Keith Sproul

>Bob,
>
> How does one know if the garmin will take 15VDC? I heard that
>the e-trex will smoke.

--
Keith Sproul ksproul@rci.rutgers.edu WU2Z
Student Housing Network Coordinator 732 445-3695 W
Rutgers University Computing Services

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Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

---

129. [aprssig] Re: Garmin Connector again

From: "Mike Yetsko" <myetsko@insydesw.com>
Date: Fri, 6 Dec 2002 13:55:15 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-109829-2002.12.06-13.40.24--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

In this case, read the 'specs'.

The ETrex models all use just 2 AA batteries. I don't know what the
max is on the unit, since I never looked into it, (my son has the car
adapter from Garmin) but I seem to recall it is marginally above
3V for external input. I do NOT believe ANY of the ETrex models
are 'regulated'.

Typically, with the other units that use 4 x AAcells, there are two
variants.
One is the 'unregulated' versions. Mostly older, but the GPS12 is an
unregulated version. They take 6v or so on the input, and somewhere
above 8 or so volts and they turn to smoking ruins. It is rated to run
anywhere from 5v-8v.

The GPS12CX on the other hand, like the GPS-II+ and GPS-III (newer
and older variants) also use 4xAAcells. But they are REGULATED,
and are rated to accept an external power input of from 10v to 32v.

The number of batteries has nothing to do with it if the unit is
'regulated'.
The unregulated Garmin units that accept the round connector have a
center pin if they are unregulated. Power cords that provide over 8v
Will have a solid block in the center of the connector. That way you
cannot plug the 'high voltage' adapters into the unregulated units and
destroy them. Power cords that regulate down to 6V will have a hole
in the center of the connector to fit around the pin...

Mike

----- Original Message -----
From: "Don" <kyham@alltel.net>
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Sent: Friday, December 06, 2002 1:21 PM
Subject: [aprssig] Re: Garmin Connector again

> How many batteries fit in the unit. 2? then 3v is max. 4? then 6v. 6?
> then 12 would be the max that I would try. A car cord with a 12v
regulator
> probably would work but not a direct connect since the auto system
usually
> runs in the area of 14v.
>
>
> Don K9SOA (EM77EX)
> HF-2m-70cm-APRS
> www.k9soa.net
>
> Home of JEANNIE
> The House That Listens
> As seen on HGTV's Dream Builder Show
> and the Featured Home of the Month
> Home Automation magazine
> March 2002 issue
>
>
> ----- Original Message -----
> From: larry Also <larrytooalso@yahoo.com>
> To: TAPR APRS Special Interest Group <aprssig@lists.tapr.org>
> Sent: Friday, December 06, 2002 12:59 PM
> Subject: [aprssig] Re: Garmin Connector again
>
>
> >
> > function SetDomain(d) { document.domain = d; }Bob,
> >
> >
> >
> > How does one know if the garmin will take 15VDC? I heard that the
> e-trex will smoke.
> >
> >
> >
> > ---------------------------------
> > Do you Yahoo!?
> > Yahoo! Mail Plus - Powerful. Affordable. Sign up now
>
>
> ---
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> Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org
>
>

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Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

130. [aprssig] Re: Garmin Connector again

From: Adi Linden <adil@adis.on.ca>
Date: Fri, 6 Dec 2002 13:01:45 -0600 (CST)
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: TAPR APRS Special Interest Group <aprssig@lists.tapr.org>
Message-ID: <LYR842-109830-2002.12.06-13.44.52--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

The Garmin 12 will take 6V (if I remember correctly) and smoke with 12V
input. There is a Garmin 12XL which may have a voltage regulator built in
in take a higher input voltage.

Adi

On Fri, 6 Dec 2002, Peter "Dakota" Summerhawk wrote:

> The Garmin 12 has four AA batteries, that gives you 6VDC but the actual
> cable from Garmin or blue hills innovation is marked at 8VDC.

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To unsubscribe send a blank email to leave-aprssig-842K@lists.tapr.org

```
Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org
```

---

131. [aprssig] Re: Garmin Connector again

```
From: David VanHorn <dvanhorn@cedar.net>
Date: Fri, 06 Dec 2002 14:02:03 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: aprssig@tapr.org
Message-ID: <LYR842-109831-2002.12.06-13.48.01--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain
```

```
>
>I think that the units with the ROUND 4 pin connector will work on the wide range of voltage, but the
eTres serious probably won't.

There are some with the round connector that are low voltage.
IIRC, they have an extra pin in the center that prevents the 12V cables from being plugged in.




---
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Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org
```

---

132. [aprssig] Re: chestpack for APRS website

```
From: "fred houghton" <ve7ffk@mail.ocis.net>
Date: Fri, 6 Dec 2002 11:28:19 -0800
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-109834-2002.12.06-14.12.22--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain
```

```
Hi Pat:
Sorry about that - www.scottevest.com - or use your favorite search engine
( I prefer Google).
Cheers - Fred - VE7FFK
----- Original Message -----
From: "Pat Karp" <pkarp@conwaycorp.net>
To: "fred houghton" <ve7ffk@mail.ocis.net>; "TAPR APRS Special Interest
Group" <aprssig@lists.tapr.org>
Sent: Friday, December 06, 2002 10:30 AM
Subject: Re: [aprssig] Re: chestpack for APRS website


> Do you have a URL for this company or just the email address?
> > Hi All:
> > The BEST "Chest Pach" I have found is by ScotteVest. Have a look at
> > scottevest@tecnologyenabledclothing.com
> > They really know what they are doing.
> > Cheers - Fred - VE7FFK
> >
> >
> > ----- Original Message -----
> > From: "Peter "Dakota" Summerhawk" <dakotas@dotorg.org>
> > To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
> > Sent: Friday, December 06, 2002 7:59 AM
> > Subject: [aprssig] chestpack for APRS website
> >
> >
> > > Morning All,
> > > Found a neat website that has some chest packs that might be of
interest
> > to
> > > the APRS community for holding all of your gear if running aprs
mobile.
> > >
> > > http://www.thielsen.net/cgi-bin/store/commerce.cgi?product=rg
> > >
> > > Looks like there area few that will hold multiple radios plus GPS and
> > phone
> > > all at once.
> > >
> > > Just some information for the group.
> > >
> > > Peter N0WRE
> > >
> > >
> > > ---
> > > You are currently subscribed to aprssig as: ve7ffk@mail.ocis.net
> > > To unsubscribe send a blank email to
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leave-aprssig-842K@lists.tapr.org
> > > Questions regarding the SIG go to the SIG administrator:
wa1lou@tapr.org
> > >
> > >
> > >
> >
> >
> >
> > ---
> > You are currently subscribed to aprssig as: pkarp@conwaycorp.net
> > To unsubscribe send a blank email to leave-aprssig-842K@lists.tapr.org
> > Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org
> >
> >
>
>
```

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---

133. [aprssig] Jim Duncan, KUOG

From: "Mark Fellhauer" <sparkfel@qwest.net>
Date: Fri, 06 Dec 2002 17:19:49 -0600
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-109845-2002.12.06-18.05.04--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

I really hate to do this to a fellow APRS'er, but I'm at wit's end.

I would like to recommend avoiding doing any kind of personal trade/sell/swap transaction through the Internet/Mail with James R. Duncan, KUOG, of Warrensburg, MO and a longtime contributing member of this SIG.

In April, I listed a few laptops for sale here and Jim contacted me interested in buying one. He told me that he couldn't pay for it right away, but if I'd send it to him, he'd get me payment within 20 days. I know this sounds stupid, but I've done business with Jim in the past, and based on our longtime personal exchange of email, I went ahead and sent him the laptop.

Since then, I have suffered through him avoiding me for some 6 weeks off the bat. And finally when he did respond to my inquiries about payment, he promised he would pay me in full, on the following 15th of the month. He's been doing that for 5 or 6 months now. I even gave him the option of paying a little at a time...but that hasn't happened. Jim has never complained that the laptop didn't meet his expectations nor did he ask to return it. In May or June I would've gladly taken it back with no hard feelings.

In September Jim mailed me two post-dated personal checks, each for half the sale price. The first check was returned to me for NSF. Jim emailed me and asked me to redeposit the check, and again it came back NSF, and this time the bank punched out the routing numbers on that check. It was obvious to me depositing the second check was a waste of my time. But it shows that Jim has propensity to commit criminal acts, that is, Check Fraud.

If you recall, Jim's truck was stolen (and recovered) in late October/early November, and I emailed him once again, commenting of the fact that he's driving a 1999 SUV, with a Kenwood APRS transceiver in it. It seems to me Jim has the assets to pay me if he really cared to. He once again replied that he'd pay me shortly after November 15, and we are now at December 6 with no payment. My least email to Jim 3 days ago, inquiring about payment and notifying him that I'm pending legal action has gone unanswered.

I would like to add that the total sale price of said laptop is less than $500, and that I was merely acting as an agent in this sale. The laptop is owned by a client of mine, and this has put me in a very awkward position with him.

I'm in the process about seeing what legal action I can take against Jim. It is with a heavy heart that I'm forced to do this, but I thought everyone here should know. Please send any comments on this subject to me OFF-SIG. It is not my intention for this to become a long off-topic thread.

Regards,

Mark Fellhauer
KC7BXS

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134. [aprssig] Re: Jim Duncan, KUOG

From: Jim Duncan <jdbandman@earthlink.net>
Date: Fri, 06 Dec 2002 18:53:49 -0600
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-109857-2002.12.06-19.39.46--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Since Mr. Fellauer has chosen to make a personal business transaction public, I will add a few comments on facts which he selectively omitted from his post to the SIG earlier.

Mr. Fellauer offered to ship the laptop and accept payment at a later date when it would be possible for me to pay for this item. Since this matter has been taken public in this manner, I am forced to publicly acknowledge that I was diagnosed with colon cancer in late May and spent the months of June, July and August undergoing treatment and surgical procedures to deal with this. I did not wish to let this go public, however, it is now necessary. As a result of removal of the polyps and subsequent chemotherapy, I have been given a semi-clean bill of health with the caveat that I will have to be closely monitored for the next 24 months to ensure that there is no recurrence.

Since I did NOT have health insurance at the time, this took a significant toll on my financial resources. Only through the assistance of my family have I been able to stay afloat and try to meet my financial obligations to the doctors and hospital while trying to keep up with current expenses as well.

Yes, my first check to Mr. Fellauer did get returned insufficient funds and that is a fact that I will NOT deny however it was NEVER my intent to defraud Mr. Fellauer in any way, shape, or form and I have repeatedly attempted to arrange to take care of this matter with Mr. Fellauer which have also gone unanswered.

I have forwarded another proposal to Mr. Fellauer, the details of which are personal and confidential, to attempt once again to settle this matter amicably. It is my hope that Mr. Fellauer will respond positively and that this whole mess will be resolved within the next week.

Jim Duncan, KU0G

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135. [aprssig] Ha ha ha ha

From: Jeff King <jeff@aerodata.net>
Date: Fri, 6 Dec 2002 20:58:24 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-109862-2002.12.06-20.43.31--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Ha ha ha ha ha. This is great, gotta love this SIG, it is better then Beavis and Butthead at times!

--
Jeff King, jeff@aerodata.net on 12/06/2002

On Fri, 06 Dec 2002 17:19:49 -0600, Mark Fellhauer wrote:
>
>I really hate to do this to a fellow APRS'er, but I'm at wit's end.
>
>I would like to recommend avoiding doing any kind of personal
>trade/sell/swap transaction through the Internet/Mail with James R.
>Duncan,
>KUOG, of Warrensburg, MO and a longtime contributing member of this
>SIG.
>
>
>In April, I listed a few laptops for sale here and Jim contacted me
>interested in buying one.   He told me that he couldn't pay for it
>right
>away, but if I'd send it to him, he'd get me payment within 20 days.
>I
>know this sounds stupid, but I've done business with Jim in the
>past, and
>based on our longtime personal exchange of email, I went ahead and
>sent him
>the laptop.
>
>Since then, I have suffered through him avoiding me for some 6 weeks
>off
>the bat. And finally when he did respond to my inquiries about
>payment, he
>promised he would pay me in full, on the following 15th of the
>month. He's
>been doing that for 5 or 6 months now. I even gave him the option
>of
>paying a little at a time...but that hasn't happened.   Jim has
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>complained that the laptop didn't meet his expectations nor did he
>ask to
>return it.   In May or June I would've gladly taken it back with no
>hard
>feelings.
>
>In September Jim mailed me two post-dated personal checks, each for
>half
>the sale price. The first check was returned to me for NSF.   Jim
>emailed
>me and asked me to redeposit the check, and again it came back NSF,
>and
>this time the bank punched out the routing numbers on that check.
>It was
>obvious to me depositing the second check was a waste of my time.
>But it
>shows that Jim has propensity to commit criminal acts, that is,
>Check
>Fraud.
>
>If you recall, Jim's truck was stolen (and recovered) in late
>October/early November, and I emailed him once again, commenting of
>the
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>in
>it. It seems to me Jim has the assets to pay me if he really cared
>to.   He once again replied that he'd pay me shortly after November
>15,
>and we are now at December 6 with no payment.   My least email to
>Jim 3
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>action has gone unanswered.
>
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>with him.
>
>I'm in the process about seeing what legal action I can take against
>Jim.   It is with a heavy heart that I'm forced to do this, but I
>thought
>everyone here should know.   Please send any comments on this
>subject to me

>OFF-SIG.   It is not my intention for this to become a long off-
>topic
>thread.
>
>
>Regards,
>
>Mark Fellhauer
>KC7BXS
>
>
>
>---
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>18229V@lists.tapr.org
>Questions regarding the SIG go to the SIG administrator:
>wa1lou@tapr.org

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136. [aprssig] Re: Ha ha ha ha

From: Jeff King <jeff@aerodata.net>
Date: Fri, 6 Dec 2002 21:00:16 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-109863-2002.12.06-20.45.36--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

No no, put your proposal here on the SIG so we all can see it and bask in its glory.

--
Jeff King, jeff@aerodata.net on 12/06/2002

On Fri, 06 Dec 2002 18:53:49 -0600, Jim Duncan wrote:
>Since Mr. Fellauer has chosen to make a personal business transaction
>public, I will add a few comments on facts which he selectively
>omitted
>from his post to the SIG earlier.
>
>Mr. Fellauer offered to ship the laptop and accept payment at a later
>date when it would be possible for me to pay for this item. Since
>this
>matter has been taken public in this manner, I am forced to publicly
>acknowledge that I was diagnosed with colon cancer in late May and
>spent
>the months of June, July and August undergoing treatment and surgical
>procedures to deal with this. I did not wish to let this go public,
>however, it is now necessary. As a result of removal of the polyps
>and
>subsequent chemotherapy, I have been given a semi-clean bill of
>health
>with the caveat that I will have to be closely monitored for the
>next 24
>months to ensure that there is no recurrence.
>
>Since I did NOT have health insurance at the time, this took a
>significant toll on my financial resources. Only through the
>assistance
>of my family have I been able to stay afloat and try to meet my
>financial obligations to the doctors and hospital while trying to
>keep
>up with current expenses as well.
>
>Yes, my first check to Mr. Fellauer did get returned insufficient
>funds
>and that is a fact that I will NOT deny however it was NEVER my
>intent
>to defraud Mr. Fellauer in any way, shape, or form and I have
>repeatedly

>attempted to arrange to take care of this matter with Mr. Fellauer
>which
>have also gone unanswered.
>
>I have forwarded another proposal to Mr. Fellauer, the details of
>which
>are personal and confidential, to attempt once again to settle this
>matter amicably. It is my hope that Mr. Fellauer will respond
>positively and that this whole mess will be resolved within the next
>week.
>
>Jim Duncan, KU0G
>
>---
>You are currently subscribed to aprssig as: jeff@aerodata.net
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137. [aprssig] Re: Baycom Hardware Alternatives

From: Doug McFadden <kc7imr@orednet.org>
Date: Fri, 6 Dec 2002 16:18:10 -0800 (PST)
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: TAPR APRS Special Interest Group <aprssig@lists.tapr.org>
Message-ID: <LYR842-109864-2002.12.06-20.49.07--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

On Thu, 5 Dec 2002, Adi Linden wrote:

> Date: Thu, 5 Dec 2002 17:25:45 -0600 (CST)
> From: Adi Linden <adil@adis.on.ca>
> To: TAPR APRS Special Interest Group <aprssig@lists.tapr.org>
> Subject: [aprssig] Baycom Hardware Alternatives
>
> I am looking at building Baycom type modems to use on a Linux computer. I
> find the modem chips difficult to get. Has anyone any suggestions for
> alternate hardware? I've seen a design using the XR2206/XR2211 for mod and
> demod, any thoughts on that?
>
Wouldn't the modem chip TARP is using in the Pic Encoder work in this app?

MX614??? if memory serves me??? weren't they bought out by somebody???

Doug/KC7IMR

Trying to establish voice contact ... please yell into your keyboard.
-=-

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138. [aprssig] Re: Baycom Hardware Alternatives

From: Jeff King <jeff@aerodata.net>
Date: Fri, 6 Dec 2002 21:19:14 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: TAPR APRS Special Interest Group <aprssig@lists.tapr.org>
Message-ID: <LYR842-109866-2002.12.06-21.04.38--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

On Fri, 6 Dec 2002 16:18:10 -0800 (PST), Doug McFadden wrote:
>On Thu, 5 Dec 2002, Adi Linden wrote:

>> I am looking at building Baycom type modems to use on a Linux
>> computer. I find the modem chips difficult to get. Has anyone any
>> suggestions for alternate hardware?

A $10 soundcard.

 I've seen a design using the XR2206/XR2211 for
>>mod and
>>demod, any thoughts on that?
>>
>Wouldn't the modem chip TARP is using in the Pic Encoder work in
>this app?
>
>MX614??? if memory serves me???

Yes.

http://www.cmlmicro.com/products/Datasheets/Docs/db614-4.pdf

>weren't they bought out by somebody???

No, the parent company of MX-COM was CML Micro, and they just adopted their
name. They did loose a really good tech support guy at that time however.

-Jeff

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139. [aprssig] APRN the best setup

From: "Michael J. Wolthuis" <wolthui3@msu.edu>
Date: Fri, 6 Dec 2002 23:58:49 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-109873-2002.12.06-23.45.44--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Everyone,
I read a long time ago Bob Bruninga's (WB4APR) proposal on APRN and from
what I can tell it never took off to much, but I am sure some people are
using the idea or something similar.
Today I got my hands on a Kenwood VC-H1 and want to install it with my
day to day Kenwood d700a tracker with GPS. However, I am not sure how
the best way to make this work is, so here is what I want, and I am
looking for some ways to do this:

1)Images to be sent at timed intervals from the camera mounted in the
car
2)Most recent image to be displayed on my webpage (I assume this will
take an additional SSTV receiver setup of some kind)
3)Storage of images captured

What I am not sure of is can you send the SSTV image say every 5minutes
on 144.390 without disrupting the APRS traffic greatly? If not can you
use band B on the d700a on a secondary frequency for SSTV while still
having APRS on band A?

If anyone has any good webpages or info on this please let me know, I
think this can be very interesting add-on to tracking, but I need to
figure out how to do it all.

Thanks,
Mike Wolthuis
Kb8zgl

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140. [aprssig] Re: APRN the best setup

From: WA8LMF2@aol.com
Date: Sat, 7 Dec 2002 02:14:04 EST
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-109902-2002.12.07-01.59.23--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

In a message dated 12/6/2002 9:02:23 PM Pacific Standard Time, wolthui3@msu.edu writes:

> What I am not sure of is can you send the SSTV image say every 5minutes
> on 144.390 without disrupting the APRS traffic greatly?

NO!!!!

Furthermore, the VC-H1 is almost impossbile to mode switch into the auto-beacon mode without an external software application controlling it. [I have often wished for a convenient way to do this without a computer controlling it for use with my "Mobile LiveCAM" while driving cross country.]

> If not can you
> use band B on the d700a on a secondary frequency for SSTV while still
> having APRS on band A?

The APRN concept is similar to Mic-E APRS-burst-after-voice transmission -- The APRS data burst is completely separate from the SSTV transmission that precedes it. Both are transmitted on the same frequency, and are normally conducted on a non-APRS frequency.

At the fixed station:
Basically, you feed the base station receiver audio into BOTH a TNC connected to a standard APRS mappping application AND into the computer sound card connected to an SSTV reception application. [Any of the standard soundcard SSTV apps that can automatically save a received image into a JPG file can be used. The freeware mmSSTV works very well for this application.]

[Of course the big-bucks luxo approach to this would be to use a D700 at the fixed station as well. The internal TNC could decode the APRS burst and the sound card interface can be connected to the 6-pin mini-DIN "External TNC" connector on the D700. [This connector is actually just RX audio, TX audio and PTT suitable for external TNCs, soundcard interfaces, repeater controllers, etc. In the mobile you are probably using this port to connect the VC-H1 which again, like any SSTV device need RX audio, TX audio and PTT keying.]

The complexity comes after that. A third program then has to:
1) Monitor for the appearance of a new JPG image file.
2) Screen cap the APRS map image into a file when a new SSTV image is detected
3) Assemble the two images above into an HTML page.
4) FTP the HTML page and two images to a web site.

Other random considerations:
The VC-H1 powers up defaulted to the Robot 36 transmission mode. Unless it hears some other mode on receive, it is stuck in this mode, unless an external computer controller commands it into another mode. While R36 is great for CQing (it's the shortest transmission time of any SSTV mode outside of the classic 8-second B&W mode SSTV started with 30 years ago), the resolution and image quality leaves a lot to be desired. If you want to transmit scenics and other complex images, the unit will need to be commanded into a higher quality mode such as the very popular Scottie 2 mode (90 seconds transmission time).

The VC-H1's internal firmware is HORRENDOUSLY BUGGY. Once the device switches into Scottie2, it will not transmit more than 4 or 5 times without locking up and crashing. You then have to cycle the power off and back on which makes it reset to Robot 36!

The provided camera head on the VC-H1 is really awful. It's a low-res fixed-focus CCD imager similar to the ones in X10 spycams or home security CCTV systems. The field of view is excessively wide angle (equivalent of about a 30mm lens on a 35 SLR) which further aggravates the resolution problem since most subjects show up far too small in the image. You can remove the camera head and expose a 3.5mm stereo mini-jack. Plug in an external NTSC image source The image quality will be about 1000% better.
[I have used some ot the original Kodak 640x480 digicams with 3:1 optical zoom lenses that ranged from 35-100MM equivalent very successfully for this purpose. These are often available second-hand very cheaply since the outbreak of "megapixel mania" in the digicam market. Since all the standard SSTV modes that the VC-H1 transmits are 320x240 pixels, such a

camera has more than enough resolution.]

More details on my mobile SSTV "LiveCAM" setup at my webpage at:
   http://wa8lmf.com

Stephen H. Smith [who has been on SSTV for over 30 years]

Home Page: http://wa8lmf.com
Ham Radio/Mobile SSTV page: http://members.aol.com/wa8lmf/ham
APRS Stuff
http://members.aol.com/wa8lmf/aprs

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141. [aprssig] Re: chestpack for APRS website

From: "W1SAR" <w1sar@searcher.org>
Date: Sat, 7 Dec 2002 03:04:19 -0800
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-109905-2002.12.07-05.49.14--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

The url is http://www.scottevest.com/

We looked at this - and found it got some very negative comments in
reference to usability - it's really aimed at the MP3 / CD lister
(technogeek?) rather than the emcomm person.

Our biggest issue was that its entirely inappropriate for most of our emcomm
work when the temperature is over 110 degrees and the circumstances call for
Nomex wildland fire clothing.

Personally, I feel that the thielson equipment is 'workwear' and the
scottevest is a fashion garment.

Drew Witham W1SAR
Shasta County Emergency Coordinator
ARES / RACES / CDF-VIP

http://www.scares.org

> -----Original Message-----
> From: bounce-aprssig-15695@lists.tapr.org
> [mailto:bounce-aprssig-15695@lists.tapr.org]On Behalf Of fred houghton
> Sent: Friday, December 06, 2002 8:39 AM
> To: TAPR APRS Special Interest Group
> Subject: [aprssig] Re: chestpack for APRS website
>
>
> Hi All:
> The BEST "Chest Pach" I have found is by ScotteVest. Have a look at
> scottevest@tecnologyenabledclothing.com
> They really know what they are doing.
> Cheers - Fred - VE7FFK

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142. [aprssig] Re: chestpack for APRS website

From: tvsjr <tvsjr@sprynet.com>
Date: Sat, 07 Dec 2002 05:21:49 -0600
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-109908-2002.12.07-06.13.26--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

I frequently wear a tactical load-bearing vest built by Q-Systems in
Arlington, TX. The vests are extremely expensive (mine, without any
ballistic paneling, was over $400) but are incredibly durable,

custom-manufactured, and are made out of a nice, breathable mesh. The company provides tactical vests and other custom law enforcement attire to agencies across the country.

I have no trouble carrying a Motorola HT-1550XLS on VHF, a Motorola Saber 2 Ruggedized on UHF, a Motorola MTX8000 800MHz trunking radio, and an Ericsson LPE-200 EDACS radio, along with two flashlights (a Sure-Fire for normal operations and a red Pelican light for a tactical light), a battery pack, and two pockets full of whatever accessories I might need for the current assignment (tools, spare tactical knife, battery packs, power cabling, etc.) My configuration, fully loaded, can weigh upwards of 30 lbs.- however, I've worn the thing for 16-18 hrs. at a time with no discomfort as I have experienced with other vests. The main key is to balance the load as evenly as possible across your body when building the vest.

73s,
Terry

At 03:04 AM 12/07/2002 -0800, W1SAR wrote:
>The url is http://www.scottevest.com/
>
>We looked at this - and found it got some very negative comments in
>reference to usability - it's really aimed at the MP3 / CD lister
>(technogeek?) rather than the emcomm person.
>
>Our biggest issue was that its entirely inappropriate for most of our emcomm
>work when the temperature is over 110 degrees and the circumstances call for
>Nomex wildland fire clothing.
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>Personally, I feel that the thielson equipment is 'workwear' and the
>scottevest is a fashion garment.
>
>Drew Witham W1SAR
>Shasta County Emergency Coordinator
>ARES / RACES / CDF-VIP
>
>http://www.scares.org
>
>> -----Original Message-----
>> From: bounce-aprssig-15695@lists.tapr.org
>> [mailto:bounce-aprssig-15695@lists.tapr.org]On Behalf Of fred houghton
>> Sent: Friday, December 06, 2002 8:39 AM
>> To: TAPR APRS Special Interest Group
>> Subject: [aprssig] Re: chestpack for APRS website
>>
>>
>> Hi All:
>> The BEST "Chest Pach" I have found is by ScotteVest. Have a look at
>> scottevest@tecnologyenabledclothing.com
>> They really know what they are doing.
>> Cheers - Fred - VE7FFK
>
>
>---
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143. [aprssig] Re: Regular stickers for magmounts?

From: "Wes Johnston" <wes@johnston.net>
Date: Sat, 7 Dec 2002 06:56:06 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-109909-2002.12.07-06.41.25--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Duct tape works good, but if you use a sticker, it needs to be vynil not paper based.

Wes

----- Original Message -----
From: "Alex" <kr1st@amsat.org>
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>

```
Sent: Friday, December 06, 2002 8:12 AM
Subject: [aprssig] Regular stickers for magmounts?


> Hi there,
>
> I know I had a sticker for the bottom of a magmount antenna, but lost it
> in the move (just like a soldering iron, which I found after I bought a
> new one....figures!). I'm not sure there's anything special about those
> magmount stickers, so I wonder if it is possible to use regular stickers
> (perhaps the mylar kind?). Does anyone have experience with using
> regular
> stickers for the bottom of a magmount?
>
> Thanks and 73,
> --Alex KR1ST
>
> ---
> You are currently subscribed to aprssig as: kd4rdb@netzero.com
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> Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org
>
>



---
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```

---

144. [aprssig] Re: chestpack for APRS website <LYR30523-109908-2002.12.07-06.13.26--kb2scs#optonline.net@lists.tapr.org>

From: kb2scs@optonline.net
Date: Sat, 07 Dec 2002 08:05:40 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-109920-2002.12.07-07.56.22--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

```
Hi All
           Another idea is to check out the fanny pack that Radio Shack sells.
Yes it is designed to hold a cell phone.

It has a pocket that holds my Thd-7 very well.
It has the regular fanny pack zippered pocket.
It has the same size fanny pack zippered pocket on the reverse side.
        (The side that is up against your body)
It has a smaller fanny pack type zippered pocket.
And it has another smaller fanny type zippered pocket.

As I remember it cost was $9.00 or so. If you do not see the
pack in the store ask for the cell phone fanny pack.


Let us hope we never witness the "Silence Of The Hams"
73 DE John  KB2SCS
     Mail To:            kb2scs@wa2pnu.#nli.ny.usa.noam
      E-Mail:            kb2scs@arrl.net

---
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```

---

145. [aprssig] Re: APRN the best setup

From: "Pat Karp" <pkarp@conwaycorp.net>
Date: Sat, 7 Dec 2002 08:27:01 -0600
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-109923-2002.12.07-09.10.11--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

```
> The complexity comes after that.    A third program then has to:
> 1)  Monitor for the appearance of a new JPG image file.
> 2)  Screen cap the APRS map image into a file when a new SSTV image is
> detected
> 3)  Assemble the two images above into an HTML page.
> 4)  FTP the HTML page and two images to a web site.

The Program APRN does just that.  However it creates a new page each time
```

Without deleting the old one. I wrote a little utility that would watch a directory
for a new file to appear.   This file can be anything you select but does require you
to specify the name of it in advance. Then it will upload it to your Website. It
should support all of the Inet transfer protocols although all be the FTP is untested.
After it uploads the file it erases the local file and waits for it to reappear.

I have often thought about doing the same thing with SSTV only using 440 and
making a separate station to handle the traffic for it. But I could never find all
the peace's to make it work. But will keep working on it. In light of this tread
I will look into the way SSTV software saves the pictures and maybe adjust my
little program to work with it. ;-)

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---

146. [aprssig] Re: Baycom Hardware Alternatives

From: Adi Linden <adil@adis.on.ca>
Date: Sat, 7 Dec 2002 11:36:52 -0600 (CST)
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: TAPR APRS Special Interest Group <aprssig@lists.tapr.org>
Message-ID: <LYR842-109941-2002.12.07-12.21.58--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

> Wouldn't the modem chip TARP is using in the Pic Encoder work in this app?
>
> MX614??? if memory serves me??? weren't they bought out by somebody???

Yes, one of the alternatives to the original modem chip is the MX614.
There aren't many suppliers out there. Found 2. The first one has a large
minimum quantity. Still waiting for a reply on pricing, shipping and min
order from the second. Unfortunately both distributors have only the MX614
which is of interest to me and nothing else.

Makes me wonder sometimes if it wouldn't be worthwhile going into online
business selling electronic parts in small quantities. Lately i find most
of my project come to a grinding halt when I can't get the parts I need at
a reasonable price. Having to buy 25 Pcs of a $6.50 part is unreasonable,
IMHO, if I am building only a couple of devices...

I am looking/hoping for a design using some more readily available parts.
There is a design using a XR2211/XR2206 combo. Has anyone used that one? I
need hardware DCD with an always open squelch, so the XR2211 is needed
even with a MX614 modem, I think.

Adi
va3adi

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Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

---

147. [aprssig] TNC-2 DCD Schematic

From: Adi Linden <adil@adis.on.ca>
Date: Sat, 7 Dec 2002 11:43:11 -0600 (CST)
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-109947-2002.12.07-12.28.14--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Hi,

Any idea where I could find the schematic for the improved TNC-2 DCD
circuit? I don't have a TNC-2 but I plan on building a Baycom style modem
using a XR2211 as DCD and maybe demod.

```
http://www.tapr.org/tapr/html/dcd.html#xr2211

Thanks,
Adi
va3adi


---
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Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org
```

148. [aprssig] Re: Baycom Hardware Alternatives

From: Adi Linden <adil@adis.on.ca>
Date: Sat, 7 Dec 2002 11:47:06 -0600 (CST)
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: TAPR APRS Special Interest Group <aprssig@lists.tapr.org>
Message-ID: <LYR842-109948-2002.12.07-12.32.10--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

```
> >> I am looking at building Baycom type modems to use on a Linux
> >> computer. I find the modem chips difficult to get. Has anyone any
> >> suggestions for alternate hardware?
>
> A $10 soundcard.

I plan on running 3 TNC's on the same computer. Soundcard is out in this
arrangement. The whole things needs to run with an open squelch, too.

My idea is to have a single site that uses the MIC-E idea on an IRLP
node/repeater, digipeater on the APRS frequency, internet gating and APRS
sat gating. This will require at least 3 TNC's and the MIC-E TNC will have
to provide reliable DCD with an open squelch and voice on the same freq.

Adi
va3adi


---
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```

149. [aprssig] Re: APRN the best setup

From: Roger Grady <k9opo@comteck.com>
Date: Sat, 07 Dec 2002 12:53:40 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-109949-2002.12.07-12.38.07--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

```
At 02:14 AM 12/7/02 EST, WA8LMF2@aol.com wrote:
>Furthermore, the VC-H1 is almost impossbile to mode switch into the
>auto-beacon mode without an external software application controlling it.  [
>I have often wished for a convenient way to do this without a computer
>controlling it for use with my "Mobile LiveCAM" while driving cross country.

This brings up a question - I don't have the VC-H1 software that Kenwood
sells but I've read that it's a great example of how not to design user
interfaces, to put it charitably. Has anyone ever seen any other software
to interface with the VC-H1?

Roger Grady  K9OPO

---
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```

150. [aprssig] Information Please

From: Robert Radmore <rradmore@wzrd.com>
Date: Sat, 07 Dec 2002 13:41:20 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-109962-2002.12.07-13.26.05--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

```
I am interested in finding out what might be a good GPS for someone who
would use it for hunting. No data transfer required and a removable antenna
not necessary. Good acquisition under a forest canopy and decent battery
life are needed. Of course quality and price are also concerns.
```

I am sure some of those on the SIG will have some recommendations.

Thanks in advance for any input.

73 de Bob N2PWP

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---

151. [aprssig] Re: Baycom Hardware Alternatives

From: Bob Nielsen <nielsen@oz.net>
Date: Sat, 7 Dec 2002 10:45:55 -0800
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-109964-2002.12.07-13.30.50--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

The MX614 is available in single quantity for $6.00 (US) from TAPR
(http://www.tapr.org/tapr/html/firmware.html#mx614)

On Sat, Dec 07, 2002 at 11:36:52AM -0600, Adi Linden wrote:
> > Wouldn't the modem chip TARP is using in the Pic Encoder work in this app?
> >
> > MX614??? if memory serves me??? weren't they bought out by somebody???
>
> Yes, one of the alternatives to the original modem chip is the MX614.
> There aren't many suppliers out there. Found 2. The first one has a large
> minimum quantity. Still waiting for a reply on pricing, shipping and min
> order from the second. Unfortunately both distributors have only the MX614
> which is of interest to me and nothing else.
>
> Makes me wonder sometimes if it wouldn't be worthwhile going into online
> business selling electronic parts in small quantities. Lately i find most
> of my project come to a grinding halt when I can't get the parts I need at
> a reasonable price. Having to buy 25 Pcs of a $6.50 part is unreasonable,
> IMHO, if I am building only a couple of devices...
>
> I am looking/hoping for a design using some more readily available parts.
> There is a design using a XR2211/XR2206 combo. Has anyone used that one? I
> need hardware DCD with an always open squelch, so the XR2211 is needed
> even with a MX614 modem, I think.
>
> Adi
> va3adi

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---

152. [aprssig] Re: TNC-2 DCD Schematic

From: Bob Nielsen <nielsen@oz.net>
Date: Sat, 7 Dec 2002 11:03:44 -0800
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-109966-2002.12.07-13.48.36--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

If you are only going to be using the XR2211 modem on AFSK packet,
there is a much simpler modification to the DCD circuitry which works
quite well:

ftp://tapr.org/software_lib/tnc/dcd_mod.txt

You will also need the TNC-2 schematic:

ftp://tapr.org/software_lib/tnc/tnc2sch.pdf.

Symek used a 2211 for the DCD in its TNC-2S, which had a TCM3105 for
the demodulator.

73, Bob N7XY

On Sat, Dec 07, 2002 at 11:43:11AM -0600, Adi Linden wrote:
> Hi,
>
> Any idea where I could find the schematic for the improved TNC-2 DCD
> circuit? I don't have a TNC-2 but I plan on building a Baycom style modem

```
> using a XR2211 as DCD and maybe demod.
>
> http://www.tapr.org/tapr/html/dcd.html#xr2211
>
> Thanks,
> Adi
> va3adi

--
Bob Nielsen, N7XY                          n7xy@n7xy.net
Bainbridge Island, WA
IOTA NA-065, USI WA-028S

---
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```

153. [aprssig] Re: Baycom Hardware Alternatives

From: Jeff King <jeff@aerodata.net>
Date: Sat, 7 Dec 2002 14:30:26 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-109968-2002.12.07-14.15.43--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

```
On Sat, 7 Dec 2002 11:47:06 -0600 (CST), Adi Linden wrote:
>>>>I am looking at building Baycom type modems to use on a Linux
>>>>computer. I find the modem chips difficult to get. Has anyone
>>>>any
>>>>suggestions for alternate hardware?
>>
>>A $10 soundcard.
>
>I plan on running 3 TNC's on the same computer. Soundcard is out in
>this arrangement.

Why? I've used the soundcard packet drivers on Windows, and know they can use
multiple channels/multiple soundcards, and reading the HowTo for Linux, such
appears to be the case here as well.

>The whole things needs to run with an open squelch, too.

Then the MX614 will not work as it is a telephone modem. The Exar parts you
mentioned can be modified for open squelch, that might be a good candidate if
you are looking for hardware DCD. I'm also fairly sure the soundcard packet
modems do have a "open squelch" software DCD in them as well (but not 100%
sure in the linux case). Wouldn't suprise me if the Baycom's did also.


>My idea is to have a single site that uses the MIC-E idea on an IRLP
>node/repeater, digipeater on the APRS frequency, internet gating and
>APRS
>sat gating. This will require at least 3 TNC's and the MIC-E TNC
>will have
>to provide reliable DCD with an open squelch and voice on the same
>freq.

If it was me, I'd just go to a ham swap and buy 3 used MFJ-1270's for average
price of under $50 each. They have the Exar chipset in them and can be easily
modified for hardware DCD (open squelch). I even think the UI-DIGI software
has a KISS passthrough function so your site could function as a stand-alone
digi even with the computer off.

Sounds interesting what you are trying to do.

73

Jeff






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```

154. [aprssig] Re: Baycom Hardware Alternatives

From: Jeff King <jeff@aerodata.net>
Date: Sat, 7 Dec 2002 14:43:04 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-109969-2002.12.07-14.28.17--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

On Sat, 7 Dec 2002 14:30:26 -0500, Jeff King wrote:

>
>>On Sat, 7 Dec 2002 11:47:06 -0600 (CST), Adi Linden wrote:
>>>sat gating. This will require at least 3 TNC's and the MIC-E TNC
>>>will have
>>>to provide reliable DCD with an open squelch and voice on the same
>>>freq.

Ouch.... I missed that part. You'll need to OR/NOR together the open squelch DCD as well as a logic output of a noise gate. Noise gate detects high frequency noise just like a squelch does. Actually, you could use the squelch decision as your noise gate logic, but tap the audio before the squelch circuit.

Here is the logic.

DCD output goes to OR gate
NoiseGate logic output goes to inverter, then OR gate

Output of OR gate represents DATA present or carrier present.

Actually, since DATA assumes a carrier, you could simplify this and just use the output of the squelch decision as your DCD, just taping the audio before the squelch circuit.

An older radio might make all this happening easier.

-Jeff

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---

155. [aprssig] Soundcard

From: James Smith <k9apr@tawg.org>
Date: Sat, 07 Dec 2002 14:43:56 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: William Ward <n9rhy@msn.com>
Message-ID: <LYR842-109970-2002.12.07-14.29.27--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Hello all,

Has anyone been successful in connecting a Icom W32A radio to a computer for use with the soundcard? the laptop has two comports and one has the GPS connected to it. And still be able to run APRS w/ the soundcard? This isn't my equipment it is just a question I had posed to me. Any help or Enlightenment would be much appreciated.

TIA,

--
73, James, K9APR
Chairman \ Coordinator
Tri-State APRS Working Group
http://www.tawg.org
mailto:k9apr@tawg.org
Run a APRS Website? Why not join the APRS Webring. http://www.tawg.org/join.htm

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---

156. [aprssig] Re: APRN the best setup

From: David VanHorn <dvanhorn@cedar.net>
Date: Sat, 07 Dec 2002 14:52:57 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-109972-2002.12.07-14.41.00--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

```
At 12:53 PM 12/7/2002 -0500, Roger Grady wrote:
>At 02:14 AM 12/7/02 EST, WA8LMF2@aol.com wrote:
>>Furthermore, the VC-H1 is almost impossbile to mode switch into the
>>auto-beacon mode without an external software application controlling it.  [
>>I have often wished for a convenient way to do this without a computer
>>controlling it for use with my "Mobile LiveCAM" while driving cross country.
>
>This brings up a question - I don't have the VC-H1 software that Kenwood
>sells but I've read that it's a great example of how not to design user
>interfaces, to put it charitably. Has anyone ever seen any other software
>to interface with the VC-H1?

I don't think there is any.
I would agree, it's thoroughly excerable.


I think, for APRN to work, the station ID and position need to be in the SSTV data.  Otherwise, you're
making a large assumption that the position packet and picture are related.

Chromapix talks about a "caller ID" feature, apparently some sort of low data rate encoding before the
picture is sent. I haven't been able to find any information on it though.


I've been using two of the VC-H1s, and a Tasco converter here, with chromapix, for skywarn.  It's SO
nice to get radar updates in the field.



---
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```

157. [aprssig] "Mini-APRS" at Conference...

From: Bob Bruninga <bruninga@usna.edu>
Date: Sat, 7 Dec 2002 15:06:41 -0500 (EST)
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-109973-2002.12.07-14.51.44--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

```
> >Delegates tagged and tracked
> >Radio transmitters follow scientists round conference.
> >Nature/Science Update   26 November 2002
> >GEOFF BRUMFIEL
> >
>Scientists often use radio tags to track elusive animals. But at last
>week's Supercomputing 2002 conference in Baltimore, Maryland, they used
>them on each other.
> >
>Each researcher carried a small transmitter identifying their
>specialization. "They were tracked within the conference and the
>information was turned around in real time to the conferees," says Dan
>Reed, a conference chair and director of the National Center for
>Supercomputing Applications at the University of Illinois in
>Urbana-Champaign.
> >
>The idea, he says, is to help researchers figure out where colleagues
>with similar interests are hanging out. Screens throughout the conference
>centre summarized the details, as did a website that delegates could
>access through a wireless network in the building.
> >
>Supercomputing is an annual meeting of scientists involved in
>high-performance processing, networking and data technologies. The
>five-day conference focused on the scientific and defence-related
>applications of supercomputing for fields from high-energy physics to
>nuclear-stockpile stewardship.
> >
>The tag system also collected factoids about the behaviour of the
>conference-goers. For instance, that the average attendee walked 4.1
>miles over the course of the meeting.
> >
>Rather than forcing attendees to wear a radio collar or affix a tag to
>their ear, Reed and his colleagues attached the transmitters to the name
>badges delegates wore. The programme was entirely voluntary.
> >
```

```
>Tracking people is already commonplace in private industry. Delivery
>personnel for United Parcel Service (UPS), for example, carry
>global-positioning sensors, so that supervisors can follow the day's
>shipments.
> >
>Geoff Brumfiel is the Washington physical sciences correspondent for
>Nature.
> >
> >© Nature News Service / Macmillan Magazines Ltd 2002



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```

158. [aprssig] Re: Information Please

From: "Don" <kyham@alltel.net>
Date: Sat, 7 Dec 2002 15:14:46 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-109975-2002.12.07-14.59.42--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

```
A Garmin eTrex would probably be a good choice.  No map display but does
keep waypoints so you can always find your way back.  :))

I use the Garmin eMap which has roads and other things.  It also has
waypoints and other nice features for use when not out hunting.

I think both will run 12-16 hrs on one set of AA batteries so keeping a
spare set while waiting for that 10 pointer is not a problem.

I am sure that there are many other good choices but those are the ones I
have had experience with.  I use an eMap in the car and it runs 24/7.  Only
problem I have had is that when it gets REAL cold, it auto shuts off.


Don            K9SOA   (EM77EX)
HF-2m-70cm-APRS
www.k9soa.net

Home of JEANNIE
The House That Listens
As seen on HGTV's Dream Builder Show
and the Featured Home of the Month
Home Automation magazine
March 2002 issue


----- Original Message -----
From: Robert Radmore <rradmore@wzrd.com>
To: TAPR APRS Special Interest Group <aprssig@lists.tapr.org>
Sent: Saturday, December 07, 2002 1:41 PM
Subject: [aprssig] Information Please


> I am interested in finding out what might be a good GPS for someone who
> would use it for hunting. No data transfer required and a removable
antenna
> not necessary. Good acquisition under a forest canopy and decent battery
> life are needed. Of course quality and price are also concerns.
>
> I am sure some of those on the SIG will have some recommendations.
>
> Thanks in advance for any input.
>
> 73 de Bob N2PWP
>
> ---
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159. [aprssig] Re: Information Please

From: "Mark Fellhauer" <sparkfel@qwest.net>
Date: Sat, 07 Dec 2002 14:36:43 -0600
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-109980-2002.12.07-15.22.06--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

At 02:14 PM 12/7/02, Don wrote:

>I am sure that there are many other good choices but those are the ones I
>have had experience with. I use an eMap in the car and it runs 24/7. Only
>problem I have had is that when it gets REAL cold, it auto shuts off.

How cold is real cold? My sister-in-law thinks 45 degrees is real cold.   A few days ago in Sioux Falls, my winterized windshield washer fluid froze (I have switched from winterized to Arctic).   I think that was about minus 6 degrees Fahrenheit. I had to put cardboard in front of my radiator to get the heater to work...

I don't consider minus 6 to be real cold.   Minus 20 is real cold to me... ;)

Mark
KC7BXS

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Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

160. [aprssig] Re: APRN the best setup

From: Bob Bruninga <bruninga@usna.edu>
Date: Sat, 7 Dec 2002 15:39:11 -0500 (EST)
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: TAPR APRS Special Interest Group <aprssig@lists.tapr.org>
Message-ID: <LYR842-109981-2002.12.07-15.24.23--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

> In a message dated 12/6/2002 9:02:23 PM Pacific Standard Time,
> wolthui3@msu.edu writes:
>
> > What I am not sure of is can you send the SSTV image say every 5minutes
> > on 144.390 without disrupting the APRS traffic greatly?

APRS is a concept for uplinking live SSTV images from mobiles, to a SSTV receiver for direct aving to a WEB page for instant access by anyone with a browser. It was never intended to do the SSTV uplinnk on APRS. The uplink takes place on a local simplex or repeater. APRS is only used to send a single STATUS packet to identify the SOURCE, and LOCATION of the image for futuer automatic reference by the web page.

See the APRN idea web page.

http://www.ew.usna.edu/~bruninga/aprn.html

But glad to see someone is thinking on persuing these concepts. They are very powerful...

de WB4APR

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161. [aprssig] Re: Baycom Hardware Alternatives

From: Adi Linden <adil@adis.on.ca>
Date: Sat, 7 Dec 2002 14:59:42 -0600 (CST)
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: TAPR APRS Special Interest Group <aprssig@lists.tapr.org>
Message-ID: <LYR842-109984-2002.12.07-15.44.38--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

> Why? I've used the soundcard packet drivers on Windows, and know they can use
> multiple channels/multiple soundcards, and reading the HowTo for Linux, such
> appears to be the case here as well.

I find running multiple soundcards in a computer nothing short of a nightmare.

> Then the MX614 will not work as it is a telephone modem. The Exar parts you
> mentioned can be modified for open squelch, that might be a good candidate if
> you are looking for hardware DCD. I'm also fairly sure the soundcard packet
> modems do have a "open squelch" software DCD in them as well (but not 100%
> sure in the linux case). Wouldn't suprise me if the Baycom's did also.

Then there's the DCD add-on for MX614 type modems. From what I've learned so far, I gather my best choice would be to use the MX614 modulator/demodulator with the XR2211 to do the squelch.

> If it was me, I'd just go to a ham swap and buy 3 used MFJ-1270's for average
> price of under $50 each. They have the Exar chipset in them and can be easily
> modified for hardware DCD (open squelch). I even think the UI-DIGI software
> has a KISS passthrough function so your site could function as a stand-alone
> digi even with the computer off.

There aren't too many opportunities where I live to get my hands on used gear, unfortunately. I've looked at ebay, but used TNC's go there for near US$100, plus shipping (for each), exchange rate (to Canadian $$$), this becomes expensive.

If this was for a standalone digipeater or gating aprs from a voice repeater to aprs frequency, I'd certainly go with a proper TNC. However, since there's already a PC at the site for internet gating, I figure building some Baycom type TNC's would be an economical and practical route.

I understand digined does multiple TNC's and there's a way to pass packets between digined and aprsd running on the same box. So far that's what I have in mind...

> Sounds interesting what you are trying to do.

Yup, been playing with these thoughts for a while but work has kept me too busy to think much about it. Things are getting quieter now and I hope to have enough time to see this come to reality soon. I am hoping to have all the parts on hand to build a prototype TNC between Christmas and New Years.

73's

Adi
va3adi

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Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

---

162. [aprssig] Re: APRN the best setup

From: "Dick C. Reichenbach" <dreichen@columbus.rr.com>
Date: Sat, 07 Dec 2002 16:35:18 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: TAPR APRS Special Interest Group <aprssig@lists.tapr.org>
Message-ID: <LYR842-109986-2002.12.07-16.20.11--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

I'm currently working on some APRN stuff. Humble though they may be, here are my thoughts.

I installed soundmodem. It is capable of decoding the packets. I have also compiled but not yet tested or configured the AX.25 application WAMPES.
I put an extra sound card in my UNIX box. I also installed OSS drivers. They have the option of splitting the /dev/dsp output into multiple output streams.
So I can connect the QSSTV application to one virtual device and the Soundmodem to the other virtual device. I also got QSSTV to compile. It receives pictures ok, but doesn't send them. Although sending pictures isn't nessasary for this application, I would still like to have that capability. This is as far as I have physically gotten.

Future steps are:

A script, probably perl, will listen for messages sent to my station. When it hears a message like "SSTV 146.55 Scottie2", it will change the frequency of my radio to 146.55, and set a unix "lock", and set QSSTV to Scottie2 and respond with "SSTV receive ready". I should be able to do this with AX.25 ports and it wouldn't interfere with Xastir. In theory.
The mobile station could then send the picture (on 146.55) with the appropriate tag on the end. My station would probably respond with the ack message. (on the APRS freq) The spool lock on the radio could then be released and the radio retuned to the PCSAT d/l frequncy, or any other frequency for that matter.

The perl script would take off the tag and store it in (probably) a mySQL database along with the filename and location of the picture file.
The database could be searched and any picture displayed along with the location of the sending station. This could be done ala "Findu style". Where the maps aren't stored picture files, but generated on the fly from information stored in a database. And the sent SSTV picture is displayed underneath the map.

Take care, 73
Dick Reichenbach - KC8OBZ

Bob Bruninga wrote:

> > In a message dated 12/6/2002 9:02:23 PM Pacific Standard Time,
> > wolthui3@msu.edu writes:
> >
> > > What I am not sure of is can you send the SSTV image say every 5minutes
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> APRS is a concept for uplinking live SSTV images from mobiles, to a SSTV
> receiver for direct aving to a WEB page for instant access by anyone with
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> uplink takes place on a local simplex or repeater. APRS is only used to
> send a single STATUS packet to identify the SOURCE, and LOCATION of the
> image for futuer automatic reference by the web page.
>
> See the APRN idea web page.
>
> http://www.ew.usna.edu/~bruninga/aprn.html
>
> But glad to see someone is thinking on persuing these concepts. They are
> very powerful...
>
> de WB4APR
>
> ---
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163. [aprssig] Re: Information Please

From: "Don" <kyham@alltel.net>
Date: Sat, 7 Dec 2002 16:52:41 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-109988-2002.12.07-16.37.42--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Well here just south of Louisville KY, I think 20 is cold. Then again I spent most of my life in NW Indiana and western suburb of Chicago so up there, -20 was cold.

Personally, anything below 70 is too cold for me. Would have moved further south but wanted to be within 4-5 hr drive from my daughter and grandsons. For them, a little cold is acceptable.

When it gets below 20 the eMap shuts down most of the time. My Yaesu FT-8500 does the same thing and won't stay up until the car gets about 50.

Don K9SOA (EM77EX)
HF-2m-70cm-APRS

www.k9soa.net

Home of JEANNIE
The House That Listens
As seen on HGTV's Dream Builder Show
and the Featured Home of the Month
Home Automation magazine
March 2002 issue

----- Original Message -----
From: Mark Fellhauer <sparkfel@qwest.net>
To: Don <kyham@alltel.net>; TAPR APRS Special Interest Group
<aprssig@lists.tapr.org>
Sent: Saturday, December 07, 2002 3:36 PM
Subject: Re: Information Please

> At 02:14 PM 12/7/02, Don wrote:
>
> >I am sure that there are many other good choices but those are the ones I
> >have had experience with. I use an eMap in the car and it runs 24/7.
Only
> >problem I have had is that when it gets REAL cold, it auto shuts off.
>
> How cold is real cold? My sister-in-law thinks 45 degrees is real
> cold.   A few days ago in Sioux Falls, my winterized windshield washer
> fluid froze (I have switched from winterized to Arctic).   I think that
was
> about minus 6 degrees Fahrenheit. I had to put cardboard in front of my
> radiator to get the heater to work...
>
> I don't consider minus 6 to be real cold.   Minus 20 is real cold to me...
;)
>
> Mark
> KC7BXS
>
>
>
>

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164. [aprssig] Re: Baycom Hardware Alternatives

From: Rich Osman <Rich@osman.com>
Date: Sat, 07 Dec 2002 16:14:07 -0600
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: TAPR APRS Special Interest Group <aprssig@lists.tapr.org>
Message-ID: <LYR842-109992-2002.12.07-16.59.14--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Adi Linden wrote:
>>Wouldn't the modem chip TARP is using in the Pic Encoder work in this app?
>>
>>MX614??? if memory serves me??? weren't they bought out by somebody???
>
>
> Yes, one of the alternatives to the original modem chip is the MX614.
> There aren't many suppliers out there. Found 2. The first one has a large
> minimum quantity. Still waiting for a reply on pricing, shipping and min
> order from the second. Unfortunately both distributors have only the MX614
> which is of interest to me and nothing else.

I believe TAPR still sells these.

http://www.tapr.org/tapr/html/Ffirmware.html

--
mailto:Rich@Osman.com http://www.rich.osman.com
Rich Osman; POB 93167; Southlake, TX 76092 (Near DFW Airport) ARS: N1OZ

If you receive something that says "Send this to everyone you know,"
PLEASE pretend you don't know me.

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165. [aprssig] Re: Information Please

From: "Mike Yetsko" <myetsko@insydesw.com>
Date: Sat, 7 Dec 2002 17:20:48 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-109993-2002.12.07-17.06.07--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

```
> I am interested in finding out what might be a good GPS for someone who
> would use it for hunting. No data transfer required and a removable
antenna
> not necessary. Good acquisition under a forest canopy and decent battery
> life are needed. Of course quality and price are also concerns.
>
> 73 de Bob N2PWP

I'd say the basic ETrex fits the bill.  However, having a BRIGHT yellow
box to flash around isn't too cool when you're in camo.  So, Garmin
sells a 'camo' version, with a few more features.  Go to www.garmin.com
and check them out.

I have a number of units, a GPS-II+, a GPS-III, and a DeLorme unit.
I bought my son the basic ETrex when it first came out.  The II+
and the III would be WAY too clunky for hunting use.  The ETrex
might just fit the bill.

A friend found a 'flashlight' holder with a velcro flap.  He fastened
that to his sling, so the unit is 'almost' on his shoulder.  Works great
in the woods in that position.

Mike
```

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166. [aprssig] aprssig] Re: Information Please

From: "Curt Mills, WE7U" <archer@eskimo.com>
Date: Sat, 7 Dec 2002 15:04:54 -0800 (PST)
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: Robert Radmore <rradmore@wzrd.com>
Message-ID: <LYR842-110000-2002.12.07-17.34.12--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

```
On Sat, 7 Dec 2002, Mike Yetsko wrote:

> I have a number of units, a GPS-II+, a GPS-III, and a DeLorme unit.
> I bought my son the basic ETrex when it first came out.  The II+
> and the III would be WAY too clunky for hunting use.  The ETrex
> might just fit the bill.

I bought a II+ (black case) back when the 12XL couldn't do 20+ hours
on a set of batteries.  The II+ could.  Sometime after that they
upgraded the hardware in the 12XL and it was less power-hungry.  I've
bowhunted with the II+ for a number of years now and have been very
happy with it.  Once nice feature is that the rotatable antenna can
more easily pick up the sats when in a shirt pocket or sleeve pocket
on my jacket.  The units with the antenna built-in need to be
oriented horizonatally to pick up well.  The II+ can be oriented
either way.  I can use it vertically in my hand or horizontally in a
car equally well.

I typically leave my GPS antenna folded down with the GPS off an in
my under-the-knee pocket until I need a fix.  Then I figure out a
direction to go, set my compass to that bearing, put the GPS away,
and start walking.

Yea, I'm always a bit worried about breaking off the antenna, but so
far I've always been able to put my body between the GPS and any hard
objects on the ground.  ouch!  Oh yea, an IC-2AT case hurts a lot
more to fall on than the ground itself.  Found that out one muddy
```

year, several times...

I also think that having upload/download capability for waypoints is
a wonderful thing for hunting. I keep adding to my list each year
and it's nice to be able to edit out or add waypoints to my list on
the computer, then stick them into the GPS just before season starts.

Word to the wise: If you're looking at used GPS's, don't buy
anything less than a 12-channel parallel receiver. I borrowed a
GPS-45 during hunting for a couple of years. That was one of the
reasons I bought a 12-channel parallel receiver for myself when I
could. The GPS-45 couldn't handle any sky blockage due to its design
(one receiver multiplexed between eight satellites).

Curt, WE7U.   archer@eskimo.com
http://www.eskimo.com/~archer
  Lotto: A tax on people who are bad at math. - unknown
Windows: Microsoft's tax on computer illiterates. - WE7U.

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167. [aprssig] Re: Information Please

From: "Brian Riley (maillist)" <n1bq_list@wulfden.org>
Date: Sat, 07 Dec 2002 18:11:00 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-110001-2002.12.07-17.56.07--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

We have had a premature winter here in NWVT. My yellow Etrex stays running
24/7 in my Ranger and my wife's Explorer and the D700's get shut off. Both
Etrex's have stayed running all this week at temps in the vicinity of +3F. I
found mine shutdown the morning after the night it went just under 0F.

My Garmin II+ seemed to be able to handle down to -15F ... But of course
that triangular prism shape had less surface area for per volume for a
somewhat higher power consumption ... That is, it put more heat into a space
with less surface area so it probably stayed warmer longer!

  cheers ... n1bq

On 12/7/02 16:52, "Don" <kyham@alltel.net> wrote:

> Well here just south of Louisville KY, I think 20 is cold. Then again I
> spent most of my life in NW Indiana and western suburb of Chicago so up
> there, -20 was cold.
>
> Personally, anything below 70 is too cold for me.   Would have moved further
> south but wanted to be within 4-5 hr drive from my daughter and grandsons.
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>
> When it gets below 20 the eMap shuts down most of the time.   My Yaesu
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>
>
>
> Don   K9SOA   (EM77EX)
> HF-2m-70cm-APRS
> www.k9soa.net

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168. [aprssig] Re: APRN the best setup

From: Bob Bruninga <bruninga@usna.edu>
Date: Sat, 7 Dec 2002 21:17:51 -0500 (EST)
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: TAPR APRS Special Interest Group <aprssig@lists.tapr.org>

Message-ID: <LYR842-110011-2002.12.07-21.03.00--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

On Sat, 7 Dec 2002, Dick C. Reichenbach wrote:

> I'm currently working on some APRN stuff. Humble though they may be,
> here are my thoughts.

Here is an IDEA I just had today. Sinec the tones for SSTV go between 1200 and 2300HZ and AX.25 packet is 1200 and 2200 Hz, then it is possible that a short AX.25 packet can be sent within a line of SSTV!

If the shortest packet is something like WB4APR>MYBOAT:

Then we can send the SENDERS call and a 6 character IMAGE name in only about 18 characters of AX.25 (or so). The original SSTV was 15 lines per second or about 70 ms per line. SHucks, it takes about 125 ms to send that shortest packet. Nevermind. But close...

But imagine if we could, then a TNC monitoring SSTV would show who is sending what...

de WB4APR, Bob

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169. [aprssig] Position Time Stamps?

From: "Peter Devanney" <pdevanney@sympatico.ca>
Date: Sat, 7 Dec 2002 22:54:45 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-110024-2002.12.07-22.43.36--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

I have a question about position timestamps.

Is there a way to recover the time heard from findu (i.e on the raw data list) ? If there is do any of the cgi's offer an option to plot the timestamp with the position. If its possible I have not been able to figure it out.

Just trying to understand position time parameters and would like to understand if its possible to see the time of each posit, either in raw or line plot form.

TIA
Peter
VA3YOW

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---

170. [aprssig] N2YQT Findu Query Page

From: "Ryan" <n2yqt@nycap.rr.com>
Date: Sat, 7 Dec 2002 23:6:51
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-110034-2002.12.07-23.51.50--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Hello all...
I have recently changed from hosting my own webpages to a commercial hosting company. I have done away with having a subdomain name for everything also...

With that, the URL for my findu query page (thanks N1BQ) has changed. The new URL is http://tourge.net/n2yqt/findu.php

I notice several site linking to this page so I figured sending one message here would be the easiest way of getting the info out.

Thanks!
Ryan

N2YQT

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---

171. [aprssig] Re: APRN the best setup

From: "Wes Johnston" <kd4rdb@netzero.com>
Date: Sun, 8 Dec 2002 00:17:31 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-110041-2002.12.08-00.03.12--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Sounds something like closed captioning on SSTV... very interestign indeed.
One line of video (or retrace) becomes data....

Wes

----- Original Message -----
From: "Bob Bruninga" <bruninga@usna.edu>
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Sent: Saturday, December 07, 2002 9:17 PM
Subject: [aprssig] Re: APRN the best setup

> On Sat, 7 Dec 2002, Dick C. Reichenbach wrote:
>
> > I'm currently working on some APRN stuff. Humble though they may be,
> > here are my thoughts.
>
> Here is an IDEA I just had today. Sinec the tones for SSTV go between
> 1200 and 2300HZ and AX.25 packet is 1200 and 2200 Hz, then it is possible
> that a short AX.25 packet can be sent within a line of SSTV!
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> If the shortest packet is something like WB4APR>MYBOAT:
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> Then we can send the SENDERS call and a 6 character IMAGE name in only
> about 18 characters of AX.25 (or so). The original SSTV was 15 lines per
> second or about 70 ms per line. SHucks, it takes about 125 ms to send
> that shortest packet. Nevermind. But close...
>
> But imagine if we could, then a TNC monitoring SSTV would show who is
> sending what...
>
> de WB4APR, Bob
>
>
>
> ---
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> Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org
>
>

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Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

---

172. [aprssig] Re: APRN the best setup

From: David VanHorn <dvanhorn@cedar.net>
Date: Sun, 08 Dec 2002 00:33:53 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-110043-2002.12.08-00.19.58--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

At 12:17 AM 12/8/2002 -0500, Wes Johnston wrote:
>Sounds something like closed captioning on SSTV... very interestign indeed.
>One line of video (or retrace) becomes data....

Apparently this already exists, see the chromapix dox, where they talk about "caller ID", apparently a way of tagging the image to a callsign.

If you have a callsign and a time, you can get the position from the APRS stream, we don't need to put it in the picture data.

You are currently subscribed to aprssig as: lyris.aprssig@tapr.org
To unsubscribe send a blank email to leave-aprssig-842K@lists.tapr.org
Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

173. [aprssig] 1000 Mile Question

From: "john van sandt" <n9yrx@hotmail.com>
Date: Sun, 08 Dec 2002 13:43:43 +0000
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-110075-2002.12.08-08.28.48--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

I am running Pocket APRS with a Kenwood THD-7 and have noticed some station reporting on my screen from a 1000+ miles away. I looked at their path and find they are using "TCPIP" and then the call sign of our local digi. Does this mean they are going over the internet and then being repeated by our local digi? If eveyone did this would this cause a problem? Common sense appears as it would cause issues.
This brings me to question what the acceptable paths are. Does anyone have a standard list of paths besides what is in the cryptic Kenwood manual that are acceptable and a small note with the purpose of each path?

N9YRX
For last known APRS location click here:
http://www.findu.com/cgi-bin/find.cgi?n9yrx
John Van Sandt
1302 Beech St.
Marshall, ILL 62441
Ph 217-826-8821

____
The new MSN 8: smart spam protection and 2 months FREE*
http://join.msn.com/?page=features/junkmail

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174. [aprssig] Dumb Question?

From: "Joel Black" <w4jbb@charter.net>
Date: Sun, 8 Dec 2002 08:57:23 -0600
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-110097-2002.12.08-09.42.37--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

I'm looking at a local RF station and his path is via APS214/V. I know by this, he is running APRS+ v2.14.

If this is all I get in his path, is this a direct RF packet? I ask this because my home station, the one I'm receiving the station in question on, is about 5' off the ground inside the house. This is only to monitor local RF. His PHG statement is 2090. I know this is a 4W, 10', 9dB gain, omni antenna station. His distance is 46.7 miles.

This is not a unique phenomenon - I see this station all the time on my home setup.

Tnx es 73,

Joel Black, W4JBB
w4jbb@charter.net

"Uvajed - The overwhelming
feeling that I've never been
here before."
-- Unknown

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175. [aprssig] Re: 1000 Mile Question

From: "Pat Karp" <pkarp@conwaycorp.net>
Date: Sun, 8 Dec 2002 10:42:48 -0600
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-110112-2002.12.08-11.26.07--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

> I am running Pocket APRS with a Kenwood THD-7 and have noticed some
> station reporting on my screen from a 1000+ miles away. I looked at their
> path and find they are using "TCPIP" and then the call sign of our local
> digi. Does this mean they are going over the internet and then being
> repeated by our local digi?

Yes! This is a great little feature.

>If eveyone did this would this cause a problem?

This is a trick question because I would hope that most Igates are setup to gate local messages. However It would kill APRS if every Igate sent every message on the internet to RF. As of a matter of fact even 1/6 of the traffic on the internet would kill APRS.

>   Common sense appears as it would cause issues.

hehe With Common sense it work great! This subject can be debated for years However most Igates do restrict traffic to a digree from the Internet to RF. My Igate is set to gate does not gate any packets but local from Internet to RF However if someone local goes out of town I will set it so that all of there beacon packets are gated. With a restriction of only gating 6 packets in a 1 min period 9 packets in a 2 min and 12 in 3 min.
This help to make sure I do not flood the local network.

> This brings me to question what the acceptable paths are. Does anyone have
> a standard list of paths besides what is in the cryptic Kenwood manual that
> are acceptable and a small note with the purpose of each path?

Let me encurage you to go by the rule of using the minum power to make the contact.
By this I mean set you proto path to get you to the nearest Igate or to cover an area that you wish to be heard in. Most of the time 3 hops will do the job. I made a 900 mile contact in 4 hops. This does no hold true for everywhere so but does should the possibility. The most important thing is to keep in mind what digies are local to you. If you have a wide area digi then there is no reason to use Relay in your path. Also try to look at the other stations path to determine a return path. If they need to go threw a relay only digi then you will need to make sure that you use the same digi as your last hop.

Most of the best paths will be set so that you can see the first digi used and the last digi used.
So ARPS, RELAY, WIDE3-3 will take you 4 hops. The APRS is just the "to call" and does not count as a hop. RELAY can be changed to WIDE if that is the first digi you will be using.
WIDE3-3 will take your packet 3 more hops. This path is probibly the most used. However some WIDE area digies will not pass traffic as a RELAY. TRACE is used most in the US to help determine a direct path to a station.

If everyone used a path such as APRS, RELAY, TRACE5-5 it would increase the

```
load on
the aprs network to the point of killing it.  However there is useful
information that many folk
like to gather buy using TRACE so some folks will encourage its use.   I
feel it is best to use
TRACE only when establishing cantact with another station.  Once you make
make contact
then that station can see a direct return Path for the QSO.  When you
recieve his packet you
will be able to use the reverse of it to continue the QSO.  Now you are
using the least amount
of "POWER".

I think the best method in setting up your path is to monitor the local
network for awhile.  Then
take note of the nearest Igate and the area you wish to cover with your
beacon.  So long as the
Igate is within that area you are set.  If not you might wish to increase
the hopes to get to the
Igate.  Remember this system was created to be flexable.  So common sense is
really the key.
So as long as you enjoy what your doing and it does not prohibit other from
enjoying APRS too.
You can use any of the features APRS has to offer. 8-)
73
Pat




---
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Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org
```

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176. [aprssig] Re: 1000 Mile Question

From: "Peter Summerhawk" <wypcguy@hotmail.com>
Date: Sun, 8 Dec 2002 09:51:36 -0700
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-110113-2002.12.08-11.36.09--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

```
Correct me if I am wrong here but I am in Cheyenne and link in to the denver
server or aprs some 200 miles away, the server then sends out my packet via
their server and that is how your station is showing up.

----- Original Message -----
From: "Pat Karp" <pkarp@conwaycorp.net>
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Sent: Sunday, December 08, 2002 9:42 AM
Subject: [aprssig] Re: 1000 Mile Question


>
>
> > I am running Pocket APRS with a Kenwood THD-7 and have noticed some
> > station reporting on my screen from a 1000+ miles away.  I looked at
their
> > path and find they are using "TCPIP" and then the call sign of our local
> > digi.  Does this mean they are going over the internet and then being
> > repeated by our local digi?
>
> Yes! This is a great little feature.
>
>
> >If eveyone did this would this cause a problem?
>
> This is a trick question because I would hope that most Igates are setup
to
> gate local
> messages.  However It would kill APRS if every Igate sent every message on
> the internet
> to RF.  As of a matter of fact even 1/6 of the traffic on the internet
would
> kill APRS.
>
> >   Common sense appears as it would cause issues.
>
> hehe With Common sense it work great!  This subject can be debated for
```

years
> However most Igates do restrict traffic to a digree from the Internet to
RF.
> My Igate is
> set to gate does not gate any packets but local from Internet to RF
However
> if someone
> local goes out of town I will set it so that all of there beacon packets
are
> gated. With a
> restriction of only gating 6 packets in a 1 min period 9 packets in a 2
min
> and 12 in 3 min.
> This help to make sure I do not flood the local network.
>
> > This brings me to question what the acceptable paths are. Does anyone
> have
> > a standard list of paths besides what is in the cryptic Kenwood manual
> that
> > are acceptable and a small note with the purpose of each path?
>
> Let me encurage you to go by the rule of using the minum power to make the
> contact.
> By this I mean set you proto path to get you to the nearest Igate or to
> cover an area that you
> wish to be heard in. Most of the time 3 hops will do the job. I made a
900
> mile contact in 4
> hops. This does no hold true for everywhere so but does should the
> possibility. The most
> important thing is to keep in mind what digies are local to you. If you
> have a wide area digi
> then there is no reason to use Relay in your path. Also try to look at
the
> other stations path to
> determine a return path. If they need to go threw a relay only digi then
> you will need to make
> sure that you use the same digi as your last hop.
>
> Most of the best paths will be set so that you can see the first digi used
> and the last digi used.
> So ARPS, RELAY, WIDE3-3 will take you 4 hops. The APRS is just the "to
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> not count as a hop. RELAY can be changed to WIDE if that is the first
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> you will be using.
> WIDE3-3 will take your packet 3 more hops. This path is probibly the most
> used. However
> some WIDE area digies will not pass traffic as a RELAY. TRACE is used
most
> in the US to
> help determine a direct path to a station.
>
> If everyone used a path such as APRS, RELAY, TRACE5-5 it would increase
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> the aprs network to the point of killing it. However there is useful
> information that many folk
> like to gather buy using TRACE so some folks will encourage its use.   I
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> TRACE only when establishing cantact with another station. Once you make
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> then that station can see a direct return Path for the QSO. When you
> recieve his packet you
> will be able to use the reverse of it to continue the QSO. Now you are
> using the least amount
> of "POWER".
>
> I think the best method in setting up your path is to monitor the local
> network for awhile. Then
> take note of the nearest Igate and the area you wish to cover with your
> beacon. So long as the
> Igate is within that area you are set. If not you might wish to increase
> the hopes to get to the
> Igate. Remember this system was created to be flexable. So common sense
is
> really the key.
> So as long as you enjoy what your doing and it does not prohibit other
from

```
> enjoying APRS too.
> You can use any of the features APRS has to offer. 8-)
> 73
> Pat
>
>
>
>
> ---
> You are currently subscribed to aprssig as: WYPCGuy@hotmail.com
> To unsubscribe send a blank email to leave-aprssig-842K@lists.tapr.org
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>

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177. [aprssig] Re: Regular stickers for magmounts?

From: "Chris van Gorp" <pd0rhm@amsat.org>
Date: Sun, 8 Dec 2002 12:59:25
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-110117-2002.12.08-13.44.32--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

```
On 12/06/02, "Alex <kr1st@amsat.org>" wrote:
> Hi there,
>
> I know I had a sticker for the bottom of a magmount antenna, but lost it
> in the move (just like a soldering iron, which I found after I bought a
> new one....figures!). I'm not sure there's anything special about those
> magmount stickers, so I wonder if it is possible to use regular stickers
> (perhaps the mylar kind?). Does anyone have experience with using
> regular
> stickers for the bottom of a magmount?
>
> Thanks and 73,
> --Alex KR1ST

Hi Alex,

It may seem unwise but I have put some self-adhesive film on top of my car
roof.
The diameter is larger then that of my magmount, this assures I do not hit
the paint of my car by accident.
Another plus is that I do not mind having an unknown magmount on my roof :
it's well protected!

See http://www.hornschuch.de/html/english/dcfix/glass/index.html for
details

73 Chris PD0RHM

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```

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178. [aprssig] SSTV Frequency

From: "Mike Wolthuis" <wolthui3@msu.edu>
Date: Sun, 8 Dec 2002 14:16:27
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-110122-2002.12.08-15.01.25--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

```
Group,
With all these new thoughts on APRN and SSTV I am very interested and can
not wait to play more.  I have some really good ideas now to make this work
really well, but from everything I can tell it has to be done on a seperate
frequency from APRS, which is what I figured.

So, my question is, what is the UHF frequency, if there is one, that has
been dedicated to this form of SSTV?  Also, I read something about an SSTV
repeater.  Do these exist on UHF in some states?  I really want to find one
frequency and stay on that so I can have multiple SSTV receivers around my
state using APRN and have the same if travelling to other states that use
this concept.
```

Is UHF the place to do it? If not, what else may be? Any HF?

Thanks everyone,
Mike Wolthuis
kb8zgl

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To unsubscribe send a blank email to leave-aprssig-842K@lists.tapr.org
Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

179. [aprssig] Re: Regular stickers for magmounts?

From: "Lloyd Mitchell" <lloydm75@hotmail.com>
Date: Sun, 8 Dec 2002 15:47:57 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-110126-2002.12.08-15.32.50--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Clear contact paper is used here with great successs. Yep good ol' contact
paper like your mom used in the cabinets.

Lloyd KD4HTW

>
> It may seem unwise but I have put some self-adhesive film on top of my car
> roof.

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180. Your confirmation is needed (ok 842)

From: Lyris <unsubscribe-confirm@lists.tapr.org>
Date: Sun, 08 Dec 2002 16:24:50 -0500
To: lyris.aprssig@tapr.org
Message-ID: <LYR842-110127-2002.12.08-16.24.50--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Your email address 'lyris.aprssig@tapr.org' has been submitted to be
unsubscribed from the 'aprssig' mailing list.

This unsubscribe command requires your confirmation that you want to be
unsubscribed.

To confirm that you do want to unsubscribe, reply to this message so that
the words "ok 842" appear somewhere on the subject line.

Make sure that your reply message is addressed to
unsubscribe-confirm@lists.tapr.org

You will receive notification that your confirmation has been received, and
that you have been unsubscribed.

If you do not want to unsubscribe, do nothing. You will be kept on the
mailing list.

```
Return-Path: <centrorelax@axtel.net>
Return-Path: centrorelax@axtel.net
Received: from mail-52.axtel.net ([200.52.12.134]) by lists.tapr.org with SMTP (Lyris Server version
3.0); Sun, 08 Dec 2002 16:24:45 -0500
Received: from centrorelax ([200.56.67.125]) by mail-52.axtel.net  with Microsoft
SMTPSVC(5.5.1877.447.44);
         Sun, 8 Dec 2002 15:41:20 -0600
From: "Centro Relax" <centrorelax@axtel.net>
To: aprssig-request
Subject:
X-Mailer: Microsoft Outlook Express 6.00.2600.0000
Reply-To: centrorelax@axtel.net
Date: Sun, 8 Dec 2002 15:41:09 -0600
Mime-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Message-ID: <0360920412108c2ASINMYSWNT52MS@mail-52.axtel.net>

# Mail sent to leave-aprssig-842k was converted to these commands:
unsubscribe aprssig lyris.aprssig@tapr.org confirm
```

```
end

# This is the text of the message that triggered the action:

Return-Path: <centrorelax@axtel.net>
Received: from mail-52.axtel.net ([200.52.12.134]) by lists.tapr.org with SMTP (Lyris Server version
3.0); Sun, 08 Dec 2002 16:24:45 -0500
Received: from centrorelax ([200.56.67.125]) by mail-52.axtel.net  with Microsoft
SMTPSVC(5.5.1877.447.44);
         Sun, 8 Dec 2002 15:41:20 -0600
From: "Centro Relax" <centrorelax@axtel.net>
To: leave-aprssig-842k@lists.tapr.org
Subject: Fuera estr�s ya !!!
X-Mailer: Microsoft Outlook Express 6.00.2600.0000
Reply-To: centrorelax@axtel.net
Date: Sun, 8 Dec 2002 15:41:09 -0600
Mime-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Return-Path: centrorelax@axtel.net
Message-ID: <0360920412108c2ASINMYSWNT52MS@mail-52.axtel.net>
```

Estimado (a) , friend:

Te invitamos a conocer nuestras terapias , y si no te gusta nuestro servicio NO PAGAS!! Promoci�n valida todo el mes de Diciembre.
Al Sur.
Centro Relax
Av. Patriotismo 888-b
Col. Insurgentes Mixcoac
Tel. 8500-5000

Al Poniente
Bosques Massage
Av. Stim No. 101 Interior 2
Col. Lomas del Chamizal
Tel. 8595-5886
http://www.centrorelax.com.mx
Servicios:
Masaje Antiestr�s Ejecutivo
Se realiza por todo el cuerpo. Es un tratamiento suave que se realiza con el paciente desnudo o en ropa interior c�moda y que ayuda a descargar todas las tensiones acumuladas. Es un masaje que se puede realizar en cualquier momento y que resulta muy agradable para quien lo recibe.
Precio Normal $ 375.00
Promoci�n $ 250.00

Masaje Reductivo
Es un masaje reductivo donde se trabajan las zonas con mayor cantidad de grasa, produciendo calor con movimientos especiales que ayudan a disolver las grasas.
Precio Normal $ 2,200.00
Promoci�n $ 1,500.00
Consta de seis sesiones

Masaje Anticelulitis
Se trata de un tipo de masaje totalmente atraum�tico, particularmente indicado en el tratamiento de la celulitis, donde ofrece excelente resultados. Su finalidad b�sica es ayudar en el retorno de la linfa, facilitando de esta forma los efectos y funciones del sistema linf�tico.
Precio Normal $ 3,800.00
Promoci�n $ 2,500.00
Consta de diez sesiones y se recomienda tomarlas en un m�ximo de 25 d�as.

Masaje a cuatro manos
Los masajes a cuatro manos le hacen sentirse a uno estupendamente, suponen un b�lsamo para la piel y aportan un relax total.
Precio Normal $ 750.00
Promoci�n $ 500.00

Masaje para parejas.
El cual tomaras en un cub�culo doble en donde t� y tu pareja disfrutaran de un magnifico masaje relax sin perderse de vista el uno del otro, comparte con esa persona especial este momento inolvidable.
Precio Normal $ 750.00
Promoci�n $ 500.00

Estamos a tus �rdenes de Lunes a S�bado de 10 a 21 horas.
Al Sur.
Centro Relax
Av. Patriotismo 888-b
Col. Insurgentes Mixcoac
Tel. 8500-5000

Al Poniente
Bosques Massage
Av. Stim No. 101 Interior 2
Col. Lomas del Chamizal
Tel. 8595-5886

http://www.centrorelax.com.mx
TE ESPERAMOS Y RECUERDA SI NO TE GUSTA, NO PAGAS !!

181. [aprssig] WinAPRS Terminal

From: "Reid Crowe" <kc0idi@techie.com>
Date: Sun, 08 Dec 2002 17:01:46 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-110128-2002.12.08-16.47.03--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

I was wonder if any one knew why my terminal window on winaprs will not scroll? I there a setting I have wrong or is it a glitch?

73 de KC0IDI

Please reply to kc0idi@arrl.net

--
____
Sign-up for your own FREE Personalized E-mail at Mail.com
http://www.mail.com/?sr=signup

One click access to the Top Search Engines
http://www.exactsearchbar.com/mailcom

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To unsubscribe send a blank email to leave-aprssig-842K@lists.tapr.org
Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

182. [aprssig] Re: WinAPRS Terminal

From: Tyler Griffiths <n7uwx@attbi.com>
Date: Sun, 08 Dec 2002 17:01:42 -0700
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: TAPR APRS Special Interest Group <aprssig@lists.tapr.org>
Message-ID: <LYR842-110147-2002.12.08-18.46.46--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Try making the window full screen then move the scroll bar down to the bottom. I think it should start scrolling.

Tyler N7UWX

Reid Crowe wrote:

> I was wonder if any one knew why my terminal window on winaprs will not scroll? I there a setting I have wrong or is it a glitch?
>
> 73 de KC0IDI
> ------------------------
> Please reply to kc0idi@arrl.net
>
> --
> ____
> Sign-up for your own FREE Personalized E-mail at Mail.com
> http://www.mail.com/?sr=signup
>
> One click access to the Top Search Engines
> http://www.exactsearchbar.com/mailcom
>
> ---
> You are currently subscribed to aprssig as: n7uwx@attbi.com
> To unsubscribe send a blank email to leave-aprssig-842K@lists.tapr.org
> Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

--
Find out where I am...
 http://map.findu.com/n7uwx-13

```
+..............................................................+
| Tyler Griffiths                          Ham Radio, N7UWX        |
| http://www.n7uwx.net                         President           |
| n7uwx@attbi.com                     Bridgerland Amateur Radio club |
| (435) 750-9222   (pager)      |=|       http://www.barconline.org  |
| tyler@sficorp.com            (o o)         tyler@n7uwx.net         |
+---------------------------oOO--V--OOo------------------------------+
```

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To unsubscribe send a blank email to leave-aprssig-842K@lists.tapr.org
Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

183. [aprssig] SSTV & packet

From: Tom Weeden <wj9h@ARRL.NET>
Date: Sun, 08 Dec 2002 19:26:39 -0600
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-110155-2002.12.08-20.12.44--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

The very nice freeware program MMSSTV has many options that I've never heard of before. One is FSKID. If you enable FSKID, the program will encode your callsign in FSK at the end of the picture. The receiving end takes the callsign data and fills in the ID field on the user's screen.

I don't know what the FSK parameters are, but it seems to me that the foundation is in place for an APRS-formatted FSK packet to be appended to the end of the SSTV picture...or, heck, even a standard 1200 baud AX.25 APRN stamp. Someone would have to convince the MMSSTV software author to incorporate it.

>Subject: Re: APRN the best setup
>From: Bob Bruninga <bruninga@usna.edu>
>Date: Sat, 7 Dec 2002 21:17:51 -0500 (EST)
>Here is an IDEA I just had today. Sinec the tones for SSTV go between
>1200 and 2300HZ and AX.25 packet is 1200 and 2200 Hz, then it is possible
>that a short AX.25 packet can be sent within a line of SSTV!
>If the shortest packet is something like WB4APR>MYBOAT:
>Then we can send the SENDERS call and a 6 character IMAGE name in only
>about 18 characters of AX.25 (or so). The original SSTV was 15 lines per
>second or about 70 ms per line. SHucks, it takes about 125 ms to send
>that shortest packet. Nevermind. But close...
>But imagine if we could, then a TNC monitoring SSTV would show who is
>sending what...
>de WB4APR, Bob

--Tom Weeden
Amateur Radio WJ9H
Madison, WI
http://www.qsl.net/wj9h

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184. [aprssig] Re: WinAPRS Terminal

From: "Dick Stanich" <dick@kb7zva.com>
Date: Sun, 8 Dec 2002 19:30:39
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-110157-2002.12.08-20.15.55--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

> > I was wonder if any one knew why my terminal window on winaprs will not scroll? I there a setting I have wrong or is it a glitch?

Turn ON auto scroll, next to Auto Answer and below ALL on your terminal screen.

Dick, KB7ZVA

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185. [aprssig] Re: SSTV Frequency

From: "Ronald Reams" <wa4mjf@worldnet.att.net>
Date: Sun, 8 Dec 2002 21:09:43 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: "APRS Sig" <aprssig@lists.tapr.org>
Message-ID: <LYR842-110161-2002.12.08-20.55.30--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

14.230 MHz   SSTV on 20 meters.

73 de Ronnie

----- Original Message -----
From: "Mike Wolthuis" <wolthui3@msu.edu>
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Sent: Sunday, December 08, 2002 14:16
Subject: [aprssig] SSTV Frequency

Group,
With all these new thoughts on APRN and SSTV I am very interested and can not wait to play more. I have some really good ideas now to make this work really well, but from everything I can tell it has to be done on a seperate frequency from APRS, which is what I figured.

So, my question is, what is the UHF frequency, if there is one, that has been dedicated to this form of SSTV? Also, I read something about an SSTV repeater. Do these exist on UHF in some states? I really want to find one frequency and stay on that so I can have multiple SSTV receivers around my state using APRN and have the same if travelling to other states that use this concept.

Is UHF the place to do it? If not, what else may be? Any HF?

Thanks everyone,
Mike Wolthuis
kb8zgl

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---

186. [aprssig] Re: SSTV Frequency

From: Bob Bruninga <bruninga@usna.edu>
Date: Sun, 8 Dec 2002 21:18:43 -0500 (EST)
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: TAPR APRS Special Interest Group <aprssig@lists.tapr.org>
Message-ID: <LYR842-110162-2002.12.08-21.03.47--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

On Sun, 8 Dec 2002, Mike Wolthuis wrote:

> Group,
> With all these new thoughts on APRN and SSTV I am very interested and can
> not wait to play more. I have some really good ideas now to make this work
> really well, but from everything I can tell it has to be done on a seperate
> frequency from APRS, which is what I figured.
>
> So, my question is, what is the UHF frequency, if there is one, that has
> been dedicated to this form of SSTV? Also, I read something about an SSTV
> repeater. Do these exist on UHF in some states? I really want to find one
> frequency and stay on that so I can have multiple SSTV receivers around my
> state using APRN and have the same if travelling to other states that use
> this concept.
>
> Is UHF the place to do it? If not, what else may be? Any HF?

2 meters has lots and lots of unused spectrum. We have 100 repeaters in the baltimre washington DC area on the books, but scanning the band during monrning rush hour and you might hear 4 of them in use....

bob

> >
Thanks everyone, > Mike Wolthuis

> kb8zgl
>
> ---
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>

de WB4APR@amsat.org, Bob

PCsat WEB page	http://www.ew.usna.edu/~bruninga/pcsat.html
ISS-APRS FAQ:	http://www.ew.usna.edu/~bruninga/iss-faq.html
CUBESAT Designs	http://www.ew.usna.edu/~bruninga/cubesat.html
APRS LIVE pages	http://www.ew.usna.edu/~bruninga/aprs.html
APRS SATELLITES	http://www.ew.usna.edu/~bruninga/astars.html
MIM/Mic-E/Mic-Lite	http://ssdl.stanford.edu/mims/

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187. [aprssig] RE: SSTV Frequency

From: "Michael J. Wolthuis" <wolthui3@msu.edu>
Date: Sun, 8 Dec 2002 21:32:12 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: <aprssig@tapr.org>
Message-ID: <LYR842-110165-2002.12.08-21.17.11--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Bob,
The problem with using two meters from what I have been told is that if
I run Band A on APRS (144.390) and use Band B for SSTV (VC-H1) on a
2meter freq. then the two will not coincide very well because they have
to wait for each other to transmit and then when SSTV is TX no APRS data
is available on RX either. This was info from one fellow ham that I
got, the VC-h1 is not here in my hands yet so I can not really attempt
anything, plus I have to build a receiver station yet.

I was told if I run it on UHF on Band B that they can coincide with each
other. Then I can pull my APRS position off of the national feed to
overlay with the picture received on the SSTV freq.

One other thing confuses me, when you talk about repeaters, can SSTV go
through a standard voice repeater? I didn't think so, but maybe I am
wrong. If so, why not build a HIGH UHF machine for SSTV?

Just still trying to figure everything out. Everyone's input surely
helps!

Mike Wolthuis
Kb8zgl
President Michigan State Univ. Amateur Radio Club

-----Original Message-----
From: Bob Bruninga [mailto:bruninga@usna.edu]
Sent: Sunday, December 08, 2002 9:19 PM
To: Mike Wolthuis
Cc: TAPR APRS Special Interest Group
Subject: Re: [aprssig] SSTV Frequency

On Sun, 8 Dec 2002, Mike Wolthuis wrote:

> Group,
> With all these new thoughts on APRN and SSTV I am very interested and
can
> not wait to play more. I have some really good ideas now to make this
work
> really well, but from everything I can tell it has to be done on a
seperate
> frequency from APRS, which is what I figured.
>
> So, my question is, what is the UHF frequency, if there is one, that
has
> been dedicated to this form of SSTV? Also, I read something about an
SSTV
> repeater. Do these exist on UHF in some states? I really want to
find one

```
> frequency and stay on that so I can have multiple SSTV receivers
around my
> state using APRN and have the same if travelling to other states that
use
> this concept.
>
> Is UHF the place to do it?  If not, what else may be?  Any HF?

2 meters has lots and lots of unused spectrum.  We have 100 repeaters in
the baltimre washington DC area on the books, but scanning the band
during monrning rush hour and you might hear 4 of them in use....

bob

> >
Thanks everyone, > Mike Wolthuis
> kb8zgl
>
> ---
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>

de WB4APR@amsat.org, Bob

PCsat WEB  page     http://www.ew.usna.edu/~bruninga/pcsat.html
ISS-APRS FAQ:       http://www.ew.usna.edu/~bruninga/iss-faq.html
CUBESAT Designs     http://www.ew.usna.edu/~bruninga/cubesat.html
APRS LIVE pages     http://www.ew.usna.edu/~bruninga/aprs.html
APRS SATELLITES     http://www.ew.usna.edu/~bruninga/astars.html
MIM/Mic-E/Mic-Lite  http://ssdl.stanford.edu/mims/



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```

---

188. [aprssig] Raw Data missing time and lat/long??

From: "Peter Devanney" <pdevanney@sympatico.ca>
Date: Sun, 8 Dec 2002 21:28:07 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-110166-2002.12.08-21.18.18--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

```
Any ideas why I cannot see time or lat/long in APRS-IS  raw data for
VA3PAO-7 today.
Thanks,

Peter



---
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```

---

189. [aprssig] RE: SSTV Frequency

From: Roger Grady <k9opo@comteck.com>
Date: Sun, 08 Dec 2002 22:05:23 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: <aprssig@tapr.org>
Message-ID: <LYR842-110174-2002.12.08-21.49.51--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

```
At 09:32 PM 12/8/02 -0500, Michael J. Wolthuis wrote:

>One other thing confuses me, when you talk about repeaters, can SSTV go
>through a standard voice repeater?  I didn't think so, but maybe I am
>wrong.  If so, why not build a HIGH UHF machine for SSTV?

SSTV will go through a voice repeater just fine. There's nothing in it
outside the voice bandpass. Some repeater groups/trustees might take issue
with SSTV on their repeater (which is certainly their right to do) but
that's a political issue, not a technical one.
```

```
Roger Grady  K9OPO

---
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Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org
```

---

190. [aprssig] Fw: Raw Data missing time and lat/long??

From: "Peter Devanney" <pdevanney@sympatico.ca>
Date: Sun, 8 Dec 2002 22:04:59 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-110178-2002.12.08-21.55.23--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

```
Sorry - missed the list in the reply
----- Original Message -----
From: Peter Devanney <pdevanney@sympatico.ca>
To: Steve Dimse <k4hg@tapr.org>
Sent: Sunday, December 08, 2002 10:00 PM
Subject: Re: [aprssig] Raw Data missing time and lat/long??


> Aha. That could be it. I do recall seeing the lat/long and I believe also
> the timestamp  from earlier data (using call VA3YOW-7) and I thought the
> radio was using MIC-E. Any ideas on how I can ensure I see the timestamp
and
> lat/long?
>
> I am demonstrating APRS to the Search and Rescue team I belong to and the
> time and lat/long in the raw data is important. We would like to interface
> to Ozi Explorer and plot the positions and timestamps over the SAR tasking
> created in Ozi.
>
> Peter VA3YOW
> ----- Original Message -----
> From: Steve Dimse <k4hg@tapr.org>
> To: Peter Devanney <pdevanney@sympatico.ca>
> Sent: Sunday, December 08, 2002 9:54 PM
> Subject: Re: [aprssig] Raw Data missing time and lat/long??
>
>
> > On 12/8/02 at 9:28 PM pdevanney@sympatico.ca (Peter Devanney) sent:
> >
> > >Any ideas why I cannot see time or lat/long in APRS-IS  raw data for
> > >VA3PAO-7 today.
> >
> > Plenty of position made it to findU over the last 24 hours:
> >
> > http://www.findu.com/cgi-bin/rawposit.cgi?call=VA3PAO-7
> >
> > Is what's confusing you the Mic-E compressed format data? All of these
> have
> > position info, just not in human readable format.
> >
> > Steve K4HG
> >
>


---
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```

---

191. [aprssig] RE: SSTV Frequency <LYR30523-110165-2002.12.08-21.17.11--kb2scs#optonline.net@lists.tapr.org>

From: kb2scs@optonline.net
Date: Sun, 08 Dec 2002 22:17:02 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-110179-2002.12.08-22.00.49--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

```
Hi Michael
                 Yes SSTV works through regular voice repeaters.
There is just two things you have to do first. Number one is the most
important.
```

1) Get repeaters owners permission first.
2) Key the pit switch on the side of the vh-c1 first. What you want to do is
bring up the repeater before you transmit your picture. You would normally
key the vh-c1 pit button announce your callsign then
release the pit button then immediately push the vh-c1 picture transmit
button.

Most repeates have a delay when they are first keyed. You have heard the
effect when the first characters of a Hams transmission are clipped because
they started talking before the repeater has completely come up. By doing
what I have suggested you will not lose the first bytes of your SSTV
transmission.

On 8 Dec 2002 at 21:32, Michael J. Wolthuis wrote:

> Bob,
SNIP
 One other thing confuses me, when you talk about repeaters, can SSTV go
> through a standard voice repeater? I didn't think so, but maybe I am
> wrong. If so, why not build a HIGH UHF machine for SSTV?
>
> Just still trying to figure everything out. Everyone's input surely
> helps!
>
> Mike Wolthuis
> Kb8zgl
> President Michigan State Univ. Amateur Radio Club
>

Let us hope we never witness the "Silence Of The Hams"
73 DE John KB2SCS
     Mail To: kb2scs@wa2pnu.#nli.ny.usa.noam
      E-Mail: kb2scs@arrl.net

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192. [aprssig] Re: Fw: Raw Data missing time and lat/long??

From: Steve Dimse <k4hg@tapr.org>
Date: Sun, 8 Dec 2002 22:17:01 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: TAPR APRS Special Interest Group <aprssig@lists.tapr.org>
Message-ID: <LYR842-110181-2002.12.08-22.02.17--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

On 12/8/02 at 10:04 PM pdevanney@sympatico.ca (Peter Devanney) sent:

>Sorry - missed the list in the reply

That was because I had just replied to you, didn't see the need to bug the
entire list...

Steve K4HG

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193. [aprssig] RE: SSTV Frequency <LYR30523-110165-2002.12.08-21.17.11--kb2scs#optonline.net@lists.tapr.org>

From: "Gregg G. Wonderly" <gregg@skymaster.cytetech.com>
Date: Sun, 08 Dec 2002 21:22:51 -0600
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: TAPR APRS Special Interest Group <aprssig@lists.tapr.org>
Message-ID: <LYR842-110185-2002.12.08-22.08.14--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

>Most repeates have a delay when they are first keyed. You have heard the
>effect when the first characters of a Hams transmission are clipped because
>they started talking before the repeater has completely come up.

More often then not, it is the fact that you are using CTCSS, and your radio
is slow to unsquelch. I have a scanner on a local linked repeater system. I

always hear everything said on the scanner, but there is a full second if not
two delay on the TH-D7 before the squelch opens on it...

-----
gregg@cytetech.com (Cyte Technologies Inc)

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Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

194. [aprssig] RE: SSTV Frequency

From: Bob Bruninga <bruninga@usna.edu>
Date: Sun, 8 Dec 2002 22:30:41 -0500 (EST)
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-110189-2002.12.08-22.15.48--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

On Sun, 8 Dec 2002, Michael J. Wolthuis wrote:

> The problem with using two meters from what I have been told is that if
> I run Band A on APRS (144.390) and use Band B for SSTV (VC-H1) on a
> 2meter freq. then the two will not coincide very well because they have
> to wait for each other to transmit and then when SSTV is TX no APRS data
> is available on RX either.

You QSY the A side (APRS) to the SSTV uplink frequency for the 40 seconds
it takes to do an SSTV uplink. The other 99.99% of the time it stays on
144.39. The only time you need to uplink an SSTV picture is when you see
a fire, a Wreck, a Terrorist of whatever...

Remember, your ARPS packet on the SSTV uplink frequency tells the APRSN
system who is sending the picture...

Bob

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195. [aprssig] SSTV Responses and Comments [Long - multiple topics]

From: WA8LMF2@aol.com
Date: Mon, 9 Dec 2002 01:48:11 EST
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-110218-2002.12.09-01.33.32--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Even though SSTV tends to get lumped in with "digital modes" like packet,
RTTY, PSK31, etc (probably because it gets generated most of the time by
sound card-based software), it is definitely NOT a digital transmission
format. It is totally analog, a vestige of it's origin over 35 years ago,
before any hams had computers.
     SSTV is based on frequency-modulated AUDIO tones, borrrowed from early
fax and HF "radio photo" transmission schemes, in the range from 1200 to
2300 Hz   You stuff these tones into any radio's mic jack to transmit. On
receive, you recover these same audio tones from the radio's speaker
terminals or equivalent. SSTV is normally transmitted on SSB on HF and FM on
VHF/UHF.   The (single) tone frequency is CONTINOUSLY variable based on the
brightness of the points on each scan line with 1500 Hz being BLACK and 2300
Hz being black. Periodically a brief burst of 1200 Hz indicates the beginning
of a new line (i.e. sync).
     Over the years, various additions have been tacked onto the SSTV
protocol to include color, and data in audio FSK format (the VIS burble at
the beginning of each frame that identifies which of 20-odd transmission
formats an SSTV pic is being sent in and mmSSTV's FSK callsign ID at the
end).   but basically SSTV remains analog.

It is literally analog NTSC in slow motion -- while NTSC sends 30 complete
approx 500-line pictures per second, the original SSTV format sent 1/8th of a
128-line B&W picture per second; i.e. a 128-line B&W pic in 8 seconds. By
slowing the HORIZONTAL line rate down from 15,000-odd per second to 15 per
second, the bandwidth drops from 4-to-6 MHz for standard TV to 2KHz or so,
allowing SSTV to be transmitted through any narrow-band voice grade channel.
     The 8-second transmission period was determined by the limitations of

the receive display device of the day - a long-persistance radar-type CRT -- remember no memory devices at the time! The incoming image was painted from top to bottom over 8 seconds, meaning the top of the image would fade away just about the time the bottom was finished. When computer-type memory started becoming practical and affordable in the late '70s, the image could be accumulated and stored over a longer interval, and then played out 30 times a sec into a standard non-fading monitor or TV. This lead to the modern era of much-longer-transmission-time higher-res color SSTV formats, most of which are 1/4-VGA (320 pixels by 240 lines). Currently a (very) few users are experimenting with std VGA (640x480) and SVGA (800x600) formats that take up to 3-5 minutes a frame to send.

In a message dated 12/8/2002 5:29:46 PM Pacific Standard Time, wj9h@ARRL.NET writes:

> The very nice freeware program MMSSTV

Get it at:
   http://www.qsl.net/mmhamsoft/mmsstv/   -- WA8LMF

> has many options that I've never heard of before. One is FSKID. If you enable FSKID, the program will encode your callsign in FSK at the end of the picture. The receiving end takes the callsign data and fills in the ID field on the user's screen.
>
> I don't know what the FSK parameters are, but it seems to me that the foundation is in place for an APRS-formatted FSK packet to be appended to the end of the SSTV picture...or, heck, even a standard 1200 baud AX.25 APRN stamp. Someone would have to convince the MMSSTV software author to incorporate it.

This assumes you are using a sound card computer to send and receive SSTV. The assumptions in this thread have been that SSTV transmissions in the field are being ORIGINATED by the Kenwood VC-H1 dedicated hardware device, not a computer. The buggy and effectively unchangable VC-H1 firmware severely limits what might or could be done. In a way, this is very similar to all the APRS kludges and workarounds driven by the limitations of the D700 and HTD7... [I have all three devices by the way.].

In a message dated 12/8/2002 12:17:35 PM Pacific Standard Time, wolthui3@msu.edu writes:

> So, my question is, what is the UHF frequency, if there is one, that has been dedicated to this form of SSTV?

There is no nationally (or internationally) recognized standard frequency for SSTV on any of the VHF / UHF bands. For decades, the international HF SSTV calling freqs have been:
  3.845
  7.171
  14.230 with overflow from this constantly busy freq on 14.233
  21.340
  28.680
For some reason, no SSTV freqs were ever standardized on the WARC bands. As a mobile SSTV op, I have often wished for a standardized SSTV calling freq on 2M but there isn't one.

> Also, I read something about an SSTV repeater. Do these exist on UHF in some states?
> I really want to find one frequency and stay on that so I can have multiple SSTV receivers around my state using APRN and have the same if travelling to other states that use this concept.
>
> Is UHF the place to do it? If not, what else may be? Any HF?

You are probably thinking of FSTV (standard broadcast-style NTSC fast scan). There are FSTV repeaters. They normally operate at the low end of the UHF band (420-438) with some having inputs on 1200 Mhz and output on 420 or vice versa. Because of the enormous bandwith of FSTV (greater than 4.5 MHz for a single signal) it is neither practical nor legal in the lower bands. Because FSTV is essentially modified AM with one sideband partially suppressed, you will need a specialized transmitter -- your D700 (or other FM transceiver) will be useless for this purpose.

The freeware mmSSTV program DOES include an --SSTV-- repeater function. Like any SSTV program, mmSSTV stores the incoming image as a .JPG or .BMP file on the PC. The program can be configured to then key up the transmitter and re-transmit the same image. Note that this is a store-and-forward function much like a packet digipeater that can be done on a simplex channel with any ordinary radio. The program looks for a 1750 Hz access tone for a second or so before it will "repeat" an image. Again a problem with the hardware-based VC-H1! A few stations attempt to run the mmSSTV repeater on 20 meters but remember SSTV IS ANALOG!! This means the re-transmitted pics almost always include noise and QRM experienced when the repeating station received then. The repeater mode works much better on 10 meters when the band is open since there is usually far less noise and QRM on the band. If you can hear SSTV signals at all on 10m they will almost always be clean and noise free.

In a message dated 12/8/2002 7:32:18 PM Pacific Standard Time, bruninga@usna.edu writes:

> You QSY the A side (APRS) to the SSTV uplink frequency for the 40 seconds
> it takes to do an SSTV uplink. The other 99.99% of the time it stays on
> 144.39.

Only for the very inferior Robot 36 transmission mode! Any of the better-quality SSTV modes will require upwards of a minute or a minute and a half to send one frame. R36 is fine for sending CQ slides. Indeed I wish more people would use R36 on HF for CQing instead of tying up the channel for a full minute and half to simply display "CQ DE W9XYZ Joe in Chicago" type text in Scottie 2 format (typically in an illegibly-small font!). However, if you want to show detailed pics, usable maps, schematics, etc you simply HAVE to use a better quality, longer-transmission time mode. Again, the usage of R36 is primarily driven by the limitations of the VC-H1 and it's inability to originate a transmission in any mode other than R36 unless it is being controlled by an external computer.

BTW, the VC-H1 and the Robot 36 mode seem to be overwhelmingly a VHF thing -- probably due to it's more-or-less plug-n-play capability with the TH-D7 handheld. Approximately 80% of the SSTV stations that I have worked on HF (where the vast majority of SSTV activity is) are totally unaware of the existence of the VC-H1, let alone it's crippling firmware limitations! I can't count the number of times I have had to describe the device (and send a canned pic of me holding it) to stations I have worked on HF. Most (and essentially 100% of the newcomer SSTV'ers recruited to the fold by the freeware mmSSTV program) assume ALL SSTV emanates from computer-sound-card-based apps.

```
Stephen H. Smith                   wa8lmf @ aol.com
Home Page:                                          http://wa8lmf.com
Ham Radio/Mobile SSTV page:     http://members.aol.com/wa8lmf/ham
Lots of useful links at:                  http://members.aol.com/wa8lmf/links
APRS Stuff
http://members.aol.com/wa8lmf/aprs

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---

196. [aprssig] RE: aprssig digest: December 07, 2002

From: "Gilson, Ron" <RGilson@ecmc.edu>
Date: Mon, 9 Dec 2002 08:06:47 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-110229-2002.12.09-07.52.09--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

D700
Any one out there in D700 land got a photo they could E-Mail me of the component side (bottom cover removed) of the printed circuit board (not the speaker side)? Thanks.

Ron WA2WWK

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197. [aprssig] LaCrosse Technology Wireless WX Station

From: "J.Duffy Beischel" <wb8nut@arrl.net>
Date: Mon, 9 Dec 2002 10:14:54
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-110234-2002.12.09-10.59.56--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

The Frontgate catalog shows a complete (Thermo/Hygrometer/Wind/Rain
Gauge)wireless WX station for only $249 and made by La Crosse Technology.
Anyone have any experience with this unit and interfacing it to APRS?

Duffy
www.wb8nut.com

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Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

198. [aprssig] Re: SSTV Frequency

From: larry Also <larrytooalso@yahoo.com>
Date: Mon, 9 Dec 2002 10:09:55 -0800 (PST)
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: TAPR APRS Special Interest Group <aprssig@lists.tapr.org>
Message-ID: <LYR842-110242-2002.12.09-12.54.58--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

And most conversing about the weather or traffic!
Bob Bruninga <bruninga@usna.edu> wrote:On Sun, 8 Dec 2002, Mike Wolthuis wrote:

2 meters has lots and lots of unused spectrum. We have 100 repeaters in
the baltimre washington DC area on the books, but scanning the band
during monrning rush hour and you might hear 4 of them in use....

bob

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199. [aprssig] RE: SSTV Frequency

From: larry Also <larrytooalso@yahoo.com>
Date: Mon, 9 Dec 2002 10:13:35 -0800 (PST)
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: aprssig@tapr.org
Message-ID: <LYR842-110244-2002.12.09-12.58.44--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Yes, a standard voice repeater can handle SSTV, I've done it several times in the DC area, only problem being the stuck key timer not being quite long enough to pass the last few scan lines.
"Michael J. Wolthuis" <wolthui3@msu.edu> wrote:One other thing confuses me, when you talk about repeaters, can SSTV go
through a standard voice repeater? I didn't think so, but maybe I am
wrong. If so, why not build a HIGH UHF machine for SSTV?

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200. [aprssig] RE: SSTV Frequency

From: David VanHorn <dvanhorn@cedar.net>
Date: Mon, 09 Dec 2002 13:22:48 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: aprssig@tapr.org
Message-ID: <LYR842-110247-2002.12.09-13.10.14--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

At 10:13 AM 12/9/2002 -0800, larry Also wrote:

>Yes, a standard voice repeater can handle SSTV, I've done it several times in the DC area, only problem
being the stuck key timer not being quite long enough to pass the last few scan lines.

Wow! That's one tight timer. We use three minutes here.
I've also done it over the repeater, when I was out of simplex range, and I was sending damage reports from a hailstorm.

It does irritate some people.

If the repeater audio bandpass is narrow or sloped, it will cause problems with the picture, but on most repeaters this won't be a problem.

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---

201. [aprssig] geocoding?

From: wes@johnston.net
Date: Mon, 09 Dec 2002 11:06:24 -0800 (PST)
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-110251-2002.12.09-13.51.27--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Does anyone know of an engine on the net which will take a longitude and
latitude and convert to a street address? Eagle geocoding takes a street
address and converts to lat/long, but I need the other way around. The
application is my homeseer script which could very easily evolve into "aprs for
the blind". As of now, I have a script which pulls posit data from
aprsworld.com and gives a location as 1.1 miles Southeast of WAYPOINT (walmart,
mall, home, etc). It would be slick if I could easily map these locations to a
street name as well. Since home seer is able to make web queries, this should
be a simple task.

thanks
Wes

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---

202. [aprssig] Re: D700 interior pics

From: WA8LMF2@aol.com
Date: Mon, 9 Dec 2002 14:13:20 EST
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-110252-2002.12.09-13.58.33--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

In a message dated 12/9/2002 5:09:09 AM Pacific Standard Time,
RGilson@ecmc.edu writes:

> Any one out there in D700 land got a photo they could E-Mail me of the
> component side (bottom cover removed) of the printed circuit board (not the
> speaker side)? Thanks.

There are a couple of shots of the D700's interior on my web site. One is
from the bottom front, the other from the top rear. Go to:
     http://members.aol.com/wa8lmf/ham

and scroll down to the pics and text about the D700.

Stephen H. Smith   wa8lmf @ aol.com
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Ham Radio/Mobile SSTV page: http://members.aol.com/wa8lmf/ham
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---

203. [aprssig] TH-D7 Voice modulation strength

From: Henk de Groot <henk.de.groot@hetnet.nl>
Date: Mon, 09 Dec 2002 21:26:29 +0100
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-110261-2002.12.09-15.12.16--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Hallo,

A short question. I mostly use the TH-D7 for APRS but in sometimes I also make voice QSO's. I got a report the other day that the deviation on the voice was low. I was using the internal mike and not the external SMC-34 which I normally use for this.

Now I wonder, do others experience the same thing? With the external mike the voice is much louder and better according to the reports.

I wonder if mine is broken, do others experience the same thing? Anybody having a service manual? Can the modulation when using the intenal mike be increased without affecting the external mike volume or TNC modulation? If yes, where can I locate the trimmer that is used for that. Modulation of the TNC is okay (that's the most important) but low voice is annoying since I don't want to take the external mike with me when I travel light.

By the way, is it realy a mike inside the TH-D7 or is the speaker used as mike instead? I took a look at the inside and could not find any electret microphone anywhere.

I hope somebody can help me.

Kind regards,

Henk.

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---

204. [aprssig] Re: TH-D7 Voice modulation strength

From: "Ronald Reams" <wa4mjf@worldnet.att.net>
Date: Mon, 9 Dec 2002 15:39:12 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: "APRS Sig" <aprssig@lists.tapr.org>
Message-ID: <LYR842-110263-2002.12.09-15.26.03--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

I'm not familiar with this radio, but a few things to consider.

Packet normally uses a max deviation of 3 kHz and voice 5 kHz. If the transmitter is set for packet, then naturally you would not have as much deviation as you would expect from a voice radio.

An easy check is to take a service monitor and set it for the transmitter frequency. Holler "FFFIIIVVVEEE" into the microphone. Observe the max deviation indicated on the scope and y'all will know. It should not exceed 5 kHz, usually around 4.8 kHz.

73 de Ronnie

----- Original Message -----
From: "Henk de Groot" <henk.de.groot@hetnet.nl>
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Sent: Monday, December 09, 2002 15:26
Subject: [aprssig] TH-D7 Voice modulation strength

Hallo,

A short question. I mostly use the TH-D7 for APRS but in sometimes I also make voice QSO's. I got a report the other day that the deviation on the voice was low. I was using the internal mike and not the external SMC-34 which I normally use for this.

Now I wonder, do others experience the same thing? With the external mike the voice is much louder and better according to the reports.

I wonder if mine is broken, do others experience the same thing? Anybody having a service manual? Can the modulation when using the intenal mike be increased without affecting the external mike volume or TNC modulation? If yes, where can I locate the trimmer that is used for that. Modulation of the TNC is okay (that's the most important) but low voice is annoying since I don't want to take the external mike with me when I travel light.

By the way, is it realy a mike inside the TH-D7 or is the speaker used as mike instead? I took a look at the inside and could not find any electret microphone anywhere.

I hope somebody can help me.

Kind regards,

Henk.

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---

205. [aprssig] Re: TH-D7 Voice modulation strength

From: WA8LMF2@aol.com
Date: Mon, 9 Dec 2002 17:37:49 EST
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-110271-2002.12.09-17.22.58--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

In a message dated 12/9/02 12:28:32 PM Pacific Standard Time, henk.de.groot@hetnet.nl writes:

> By the way, is it realy a mike inside the TH-D7 or is the speaker used as
> mike instead? I took a look at the inside and could not find any electret
> microphone anywhere.
>

Checking the service manual for the TH7A/E, there is definitely an internal mic that is routed through a closed-circuit contact on the ext mic mini jack; i.e. no separate level adjustments for the internal mic.

Checking my own TH-D7A(G) on 2M using my IFR-1500 comm monitor, I am getting about 4KHz peak deviation [dev limiter seems to clip at that point], both from the internal mic and from an ancient Kenwood SMC30 speaker/mic from a long-deceased TR-2600 handheld.
The IFR has switching to read either peak or average deviation on it's internal meter. The average mode is showing about 1.5-2 KHz on the internal mic and about 3 on the external one when talking into it in a quiet indoor setting. I'm sure that when I close-talk the mic much more loudly outdoors, or in the car, the average level will come much closer to the peak value.

There ARE separate deviation trim pots for "UHF Dev" (VR1), "VHF Dev Wide - US" (VR2) and "VHF Dev Narrow - Euro" (VR3) on the main board. If you need a scanned image of the Adjustment Points Diagram, let me know and I'll email one direct.

Stephen H. Smith   wa8lmf @ aol.com
Home Page: http://wa8lmf.com
Ham Radio/Mobile SSTV page: http://members.aol.com/wa8lmf/ham
APRS Stuff
http://members.aol.com/wa8lmf/aprs

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206. [aprssig] Re: TH-D7 Voice modulation strength

From: WA8LMF2@aol.com
Date: Mon, 9 Dec 2002 17:40:24 EST
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-110272-2002.12.09-17.25.35--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

```
In a message dated 12/9/02 12:44:10 PM Pacific Standard Time,
wa4mjf@worldnet.att.net writes:

> Packet normally uses a max deviation of 3 kHz and voice
>  5 kHz.  If the transmitter is set for packet, then naturally
>  you would not have as much deviation as you would expect
>  from a voice radio.

Except that the internal audio paths in the D7 and D700 for the built-in TNC
and the mic are completely separate. There is no fixed relationship between
the mic level and the TNC level.


---
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207. [aprssig] Fw: RE: SSTV Frequency

From: "Doug Younker" <dougy@ruraltel.net>
Date: Mon, 9 Dec 2002 15:34:25 -0600
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-110276-2002.12.09-19.10.08--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

```
----- Original Message -----
From: "larry Also" <larrytooalso@yahoo.com>
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: <aprssig@tapr.org>
Sent: Monday, December 09, 2002 12:13 PM
Subject: [aprssig] RE: SSTV Frequency


:
: Yes, a standard voice repeater can handle SSTV, I've done it several times
in the DC area, only problem being the stuck key timer not being quite long
enough to pass the last few scan lines.



This was something I always I wanted to promote using the local club's
repeater.  Coordinating a specific time each week  for those wanting to
experiment with SSTV to gather with a control-op present.  The control op
can, transfer automatic control over to "local control" and, disable timers
that would interfere with the SSTV transmissions and restore the settings to
automatic control when playtime is over.73
Doug, N0LKK
 dougy@ruraltel.net






---
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```

208. [aprssig] RE: SSTV Frequency

From: "Richard Amirault" <ramirault@erols.com>
Date: Mon, 9 Dec 2002 19:26:41 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: <aprssig@tapr.org>
Message-ID: <LYR842-110277-2002.12.09-19.12.26--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

```
There might be a problem is the trustee and/or club objects to this
(unorthodox) use of the repeater.

"This is a voice repeater. I don't want that noise on my repeater." or "How
can the control ops monitor the transmissions to insure no improper or
illegal pictures are transmitted?"
```

Richard Amirault   N1JDU   Boston,
MA, USA
www.erols.com/ramirault   "Go Fly A Kite"
----- Original Message -----
From: "larry Also" <larrytooalso@yahoo.com>
Subject: [aprssig] RE: SSTV Frequency

>
> Yes, a standard voice repeater can handle SSTV, I've done it several times in the DC area, only problem being the stuck key timer not being quite long enough to pass the last few scan lines.

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209. [aprssig] RE: SSTV Frequency

From: David VanHorn <dvanhorn@cedar.net>
Date: Mon, 09 Dec 2002 19:44:32 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: aprssig@tapr.org
Message-ID: <LYR842-110285-2002.12.09-19.31.46--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

At 07:26 PM 12/9/2002 -0500, Richard Amirault wrote:
>There might be a problem is the trustee and/or club objects to this (unorthodox) use of the repeater.

One can only ask.

>"This is a voice repeater. I don't want that noise on my repeater." or "How can the control ops monitor the transmissions to insure no improper or illegal pictures are transmitted?"

Presumably by running SSTV software? :)

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Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

210. [aprssig] RE: SSTV Frequency

From: "Richard Amirault" <ramirault@erols.com>
Date: Mon, 9 Dec 2002 19:56:51 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-110288-2002.12.09-19.42.03--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

----- Original Message -----
From: "David VanHorn" <dvanhorn@cedar.net>
Subject: [aprssig] RE: SSTV Frequency

> >"This is a voice repeater. I don't want that noise on my repeater." or "How can the control ops monitor the transmissions to insure no improper or illegal pictures are transmitted?"
>
> Presumably by running SSTV software? :)

Sure, but first you've got to convince them to get it and run it. Not everyone wants to go thru that trouble.

Richard Amirault   N1JDU   Boston,
MA, USA
www.erols.com/ramirault   "Go Fly A Kite"

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211. [aprssig] Re: Fw: RE: SSTV Frequency

From: "Larry Bush" <lbush@hot.rr.com>
Date: Mon, 9 Dec 2002 19:30:25 -0600
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-110293-2002.12.09-20.15.43--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

One could do what I did 3 years ago. Put up a FM repeater dedicated to SSTV
use.
Very active every evening from 8 PM CST to 10 PM.
Have 8 to 20 in roundtable every night. Some have become quite good at
photography.

Larry, W5NCD
www.sstvham.com

----- Original Message -----
From: "Doug Younker" <dougy@ruraltel.net>
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Sent: Monday, December 09, 2002 3:34 PM
Subject: [aprssig] Fw: RE: SSTV Frequency

>
> ----- Original Message -----
> From: "larry Also" <larrytooalso@yahoo.com>
> To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
> Cc: <aprssig@tapr.org>
> Sent: Monday, December 09, 2002 12:13 PM
> Subject: [aprssig] RE: SSTV Frequency
>
>
> :
> : Yes, a standard voice repeater can handle SSTV, I've done it several
times
> in the DC area, only problem being the stuck key timer not being quite
long
> enough to pass the last few scan lines.
>
>
>
> This was something I always I wanted to promote using the local club's
> repeater. Coordinating a specific time each week for those wanting to
> experiment with SSTV to gather with a control-op present. The control op
> can, transfer automatic control over to "local control" and, disable
timers
> that would interfere with the SSTV transmissions and restore the settings
to
> automatic control when playtime is over.73
> Doug, N0LKK
> dougy@ruraltel.net
>
>
>
>
>
> ---
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212. [aprssig] Re: Information please

From: Robert Radmore <rradmore@wzrd.com>
Date: Mon, 09 Dec 2002 20:50:23 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-110296-2002.12.09-20.35.08--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Thanks guys for all the responses to my query as to a suitable GPS for
hunting. After reviewing the comments and also talking to others the
decision was made to purchase a Garmin eTrex. It is destined for a

Christmas present and its performance under a forest canopy will have to wait for a few months.

Many thanks for sharing your experiences and expertise.

73 de Bob N2PWP
Bob Radmore N2PWP
rradmore@wzrd.com

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213. [aprssig] question

From: "Dave Wendling" <kb1eaa@berkshire.rr.com>
Date: Mon, 9 Dec 2002 21:05:16 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-110298-2002.12.09-20.50.18--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Hi Folks,

What would be the best path for mobile operation to hit the ISS, PCSAT and just normal APRS operation without having to change the path in my TH-D7 which is a pain while driving!

Thanks,
KB1EAA, Dave

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214. [aprssig] 16 bit (and larger) Telemetry

From: Steve Dimse <k4hg@tapr.org>
Date: Tue, 10 Dec 2002 03:06:14 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-110321-2002.12.10-02.51.27--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

I'm involved in an APRS project that requires telemetry with greater precision than the 8 bits provided for in the APRS spec. This data will be transmitted using the "user defined" part of the spec. Rather than develop a format specific to this application, I am going to make it as general as I can, so that the findU tools I am writing to manipulate the data can be used by other applications (thereby hopefully avoiding some requests for special user-defined formats).

I'm bringing this up here because I'm open to suggestions, at least up until the first remote device is deployed. If you have ideas that would make this more uesful, please share them.

The basic plan is for two different packets, one with positive hex integers, the other with base 10 numbers (which may be signed or unsigned, integer or floating point).

The reason for two formats is that hex is easier for embedded devices to encode than decimal, and can also save a few bytes on ech packet, depending on the number and size of the values. However, it is hard to do negatives in hex(when there is not a set bit-length of the number...is FF a 16 bit 255 or an 8 bit -1?) and damn near impossible to do efficient, cross-platform floating point.

There is no official limit on the number of values in the packet (there are practical issues, but the format, and my code do not set the limits), fields are comma delimited, datapoints without values are represented by a true empty field (two consecutive commas or comma at the end of a line). I propose using the character T (telemetry) for the user character, and H and D (hex and decimal) for the format character.

Note there is no timestamp or sequence number in this spec. An individual user is free to designate one of the fields for that function, but there is no wasted space for those who don't need it.

Examples:

```
}TH243,AE,4F2,,12,0,FF
```

```
}TD134.2,42,0,-23.3,0,

Again, this is under the user-defined part of the spec, so it is not a matter
for the APRS WG (other than allocated the specific format characters). If you
have a need not met by whatever we end up using, you can create at different
format to meet your needs. As I say, I'm bringing this up now because I would
like to have the spec and tools as general purpose as possible.

As a teaser, I'll show an example of a prototype of a new telemetry cgi. This
uses the Ploticus plotting package (http://ploticus.sourceforge.net)...a very
powerful program with its own complex scripting language, but this prototype
uses one of their "prefab" scripts, chron, which plots time on the x axis. It is
limited to plotting a single line, obviously not good enough, I'll have to learn
the scripting language, but this hints at what can be done:

http://www.findu.com/cgi-bin/tele1.cgi?call=k9d9&last=72&param=1
http://www.findu.com/cgi-bin/tele1.cgi?call=kj7az-6&last=72&param=2

(param is which of the tele values to plot, in addition 0 is the transmitted
sequence number, while -1 is the received sequence number).

The final tele cgi will work on the original 8 bit format and either of the new
ones automatically (i.e. it will sense the datatype and do conversions
automatically, no need to specify the format).

Comments encouraged! (and can someone post this on the aprsspec group, I'm not
subscribed!)


Steve K4HG

---
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```

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215. [aprssig] Re: 16 bit (and larger) Telemetry

From: Bob Bruninga <bruninga@usna.edu>
Date: Tue, 10 Dec 2002 08:45:23 -0500 (EST)
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: TAPR APRS Special Interest Group <aprssig@lists.tapr.org>,
       <aprsspec@lists.tapr.org>
Message-ID: <LYR842-110347-2002.12.10-08.30.56--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

```
Looks perfect to me!
Bob

On Tue, 10 Dec 2002, Steve Dimse wrote:

> I'm involved in an APRS project that requires telemetry with greater
> precision than the 8 bits provided for in the APRS spec. This data will
> be transmitted using the "user defined" part of the spec.... I propose
> using the character T (telemetry) for the user character, and H and D
> (hex and decimal) for the format character.
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> }TD134.2,42,0,-23.3,0,
>
> As a teaser, I'll show an example of a prototype of a new telemetry cgi.
> This uses the Ploticus plotting package
> (http://ploticus.sourceforge.net)...a very powerful program with its own
> complex scripting language, but this prototype uses one of their
> "prefab" scripts, chron, which plots time on the x axis. It is limited
> to plotting a single line, obviously not good enough, I'll have to learn
> the scripting language, but this hints at what can be done:
>
> http://www.findu.com/cgi-bin/tele1.cgi?call=k9d9&last=72&param=1
> http://www.findu.com/cgi-bin/tele1.cgi?call=kj7az-6&last=72&param=2
>
> (param is which of the tele values to plot, in addition 0 is the transmitted
> sequence number, while -1 is the received sequence number).
>
> The final tele cgi will work on the original 8 bit format and either of
> the new ones automatically (i.e. it will sense the datatype and do
> conversions automatically, no need to specify the format).
>
```

> Comments encouraged! (and can someone post this on the aprsspec group,
> I'm not subscribed!)
>
> Steve K4HG
k

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216. [aprssig] Re: 16 bit (and larger) Telemetry

From: Bob Bruninga <bruninga@usna.edu>
Date: Tue, 10 Dec 2002 09:20:46 -0500 (EST)
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: TAPR APRS Special Interest Group <aprssig@lists.tapr.org>
Message-ID: <LYR842-110354-2002.12.10-09.06.01--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

On Tue, 10 Dec 2002, Steve Dimse wrote about a new telemetry format:

> }TH243,AE,4F2,,12,0,FF
> }TD134.2,42,0,-23.3,0,

I'd suggest adding a comma after the }TH, and }TD, to separate the first data field from the header... Or maybe a colon, but I think the comma is simpler... Then you dont have to use up a special character when importing it into Excel.

Bob, Wb4APR

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217. [aprssig] Re: 16 bit (and larger) Telemetry

From: Steve Dimse <k4hg@tapr.org>
Date: Tue, 10 Dec 2002 09:31:17 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: TAPR APRS Special Interest Group <aprssig@lists.tapr.org>
Message-ID: <LYR842-110357-2002.12.10-09.16.30--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

On 12/10/02 at 9:20 AM bruninga@usna.edu (Bob Bruninga) sent:

>On Tue, 10 Dec 2002, Steve Dimse wrote about a new telemetry format:
>
>> }TH243,AE,4F2,,12,0,FF
>> }TD134.2,42,0,-23.3,0,
>
>I'd suggest adding a comma after the }TH, and }TD, to separate the first
>data field from the header... Or maybe a colon, but I think the comma is
>simpler... Then you dont have to use up a special character when importing
>it into Excel.
>

I think it is superfluous...the user defined format insists that the first three characters of the payload are used to identify the type, there is no need to insert another character there, you can remove the packet format characters and extract the real payload either by search and replace or by substring. Granted, it would be more human readable, maybe avoid an embarassing question about this packet:

K4HG>APRS:}THE8,BA11

So Steve, why are you behind the eight ball????

Other than that entertaining scenario, I don't see any advantage...

Steve K4HG

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218. [aprssig] Re LaCrosse Technology Wireless WX Station

From: "Mark Fellhauer" <sparkfel@qwest.net>
Date: Tue, 10 Dec 2002 09:36:48 -0600
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-110363-2002.12.10-10.22.05--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

```
At 04:14 AM 12/9/02, J.Duffy Beischel wrote:

>The Frontgate catalog shows a complete (Thermo/Hygrometer/Wind/Rain
>Gauge)wireless WX station for only $249 and made by La Crosse Technology.
>Anyone have any experience with this unit and interfacing it to APRS?

How do you intend to interface it?  It doesn't appear to have a computer
interface.   I can't even find a comparable model on the La Crosse web page.

http://www.lacrossetechnology.com/products.html


73,

Mark
KC7BXS



---
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```

219. [aprssig] Re: 16 bit (and larger) Telemetry

From: Bob Bruninga <bruninga@usna.edu>
Date: Tue, 10 Dec 2002 11:03:27 -0500 (EST)
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-110364-2002.12.10-10.48.38--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

```
> > }TH,243,AE,4F2,,12,0,FF
> > }TD,134.2,42,0,-23.3,0,
>
In addition to adding a comma after the }TH, and }TD,  (as shown)...
I think I agree with Steve's philosphy of minimal additional constraints,
but any person sending such telemetry, would, I hope, send a
sub-idedntifier as his first data field, so that if he has multiple such
applications under his callsign, that the first field can then be used to
idenfity WHICH of his applications is sending the data.

As is, the only way to identify this "application" is by the originators
callsign and possibly his ALT-NET (AX.25 To call).  This is OK, but FINDU
does not currently store the ALT-NET field.  I would like the
"specification" of this format to include the encouragement for users with
multiple different applications on the air, to use their first data field
as a sub identifier.

The more I think about it the more I like the idea of requiring the first
field to be an identifier.  The reason is that everyone usually starts
with one application and may not have any intention of later adding
another application under his call.  But if he was not smart enough to
anticipate future applications and did not put one in his first such
application, then when he puts his second one on line, he now has a
problem in parsing... and data base compatibility...

By making an identifier field as part of the specification for this
format, then we are helping them from making this mistake...  The
identifier field can be null ",," and the cost then is only one byte of
overhead even if the person doesn,t want to specify one initially...
But at least his first application has a "null" identifier that can keep
it separate from any later applications...

 de WB4APR, Bob



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```

220. [aprssig] PCsat is full up!

From: Bob Bruninga <bruninga@usna.edu>
Date: Tue, 10 Dec 2002 11:43:25 -0500 (EST)
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: TAPR APRS SIG <aprssig@lists.tapr.org>
Message-ID: <LYR842-110365-2002.12.10-11.28.41--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

```
> We are at worstcase 35% eclipses and PCsat is fully operational!
>
> This has been accomplished by a concerted effort by a few of our
> international partner ground stations (G6LVB, W4EPI, VK2XGJ, ZL1AOX,
> ZR1CBC, N6CO, ZR1FN and others) making sure that the 72 hour
> fail-safe timer is toggled at least once a weekend.  DUring the week, I
> have no problem doing it at least once a day, but when I am on travel or
> miss Friday's last pass and have Monday students in the morning, its
> been a problem.
>
> She did have a reset on side A this morning, but side-B held, and so she
> came into the sun in low-power mode and it was easy to restore side A.
>
> I doubt our luck will hold to mid Feb (full sun), but its interesting to
> see if we can make it...  The early January phase of better sun only gets
> down to 31% eclipse which is not much of an improvement especially given
> that it is near the solstice and our bad solar panel is facing up at the
> sun in the southern hemisphere then...

To make it easy to recognize when PCsat has done a reset due to low
batteries in the dark, we are loading it with the callsign of PCSAT-1.
She should still respond to the W3ADO-1 digi callsign.  If she resets,
then the callsign changes to W3ADO-1 in every packet and we know to
restore her on the next pass.

I would welcome all users to enjoy PCsat.  But it would be best if no one
used PCsat after dark and before Sunrise to give her a better chance to
make it to sun a few minutes later...

de WB4APR@amsat.org, Bob

PCsat WEB  page     http://www.ew.usna.edu/~bruninga/pcsat.html
ISS-APRS FAQ:       http://www.ew.usna.edu/~bruninga/iss-faq.html
```

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---

221. [aprssig] APRS Tracker legalities

From: "Phil Pacier, AD6NH" <ad6nh@arrl.net>
Date: Tue, 10 Dec 2002 11:31:19
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-110368-2002.12.10-12.16.25--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

I wanted to throw this out and see what you guys think. I'm in charge of a small task force looking into the feasibility and legalities of installing APRS trackers in more Baker to Vegas relay race chase vehicles. The question we're trying to tackle is whether or not it is legal to have a simple tracker (a device that only transmits a position beacon on 144.39 and has no other transmission mode or frequency capability) in the vehicle with no licensed ham present. My own thought was that trackers might fall into the same category as digis and repeaters - there needs to be a control operator who is responsible for the transmission, but does not necessarily need to be "on site." For example, if a monitoring station noticed a tracker transmitting erroneous data or harmful interference, a person in the vehicle could be contacted to "pull the plug". Is this too much of a stretch?

The APRS community has been very accommodating when it comes to the Baker to Vegas race, allowing tactical callsigns to be used in tracking vehicles. Our goal is to get trackers in a majority of the vehicles so that team members and viewers at home can watch the "virtual race". It also serves its purpose in emergency situations, obviously.

Any comments you may have about this would be welcomed. Thanks for your time. Continue to check the Baker to Vegas java tracking page at http://www.aprsca.net/bakervegas.asp - soon there will be more detailed maps and a new interface for tracking. Enjoy! 73s.

Phillip Pacier - AD6NH
www.aprsca.net

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222. [aprssig] Re: APRS Tracker legalities

From: "Curt Mills, WE7U" <hacker@tc.fluke.com>
Date: Tue, 10 Dec 2002 10:28:37 -0800 (PST)
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: TAPR APRS Special Interest Group <aprssig@lists.tapr.org>
Message-ID: <LYR842-110371-2002.12.10-13.13.52--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

On Tue, 10 Dec 2002, Phil Pacier, AD6NH wrote:

> I wanted to throw this out and see what you guys think. I'm in charge of a small task force looking into the feasibility and legalities of installing APRS trackers in more Baker to Vegas relay race chase vehicles. The question we're trying to tackle is whether or not it is legal to have a simple tracker (a device that only transmits a position beacon on 144.39 and has no other transmission mode or frequency capability) in the vehicle with no licensed ham present. My own thought was that trackers might fall into the same category as digis and repeaters - there needs to be a control operator who is responsible for the transmission, but does not necessarily need to be "on site." For example, if a monitoring station noticed a tracker transmitting erroneous data or harmful interference, a person in the vehicle could be contacted to "pull the plug". Is this too much of a stretch?

I've seen plenty of discussions about just this sort of thing. I'm in the "don't ask for an FCC ruling on the matter" crowd.

My opinion (and it's just that, an opinion), is that this sort of operation is mostly ok, but just to be on the safe side, the unit should be enclosed completely, equipped with an on/off keyswitch that only hams have access to. If you could have over-the-air control of the unit (I would think impractical in this case), that would be best, but just having a control operator somewhere in the vicinity of the race that could eventually command the station off should keep you within the rules.

The tricky part is that you don't want a non-ham able to turn the unit on, as they are then acting as the control operator of an amateur radio station, without a license.

Nit-picky, I know, but that's what I think will keep you within the rules. I expect you'll hear nit-pickier (good word huh?) views than this on the matter.

Good luck and I wish you well. I think this is a wonderful use of APRS. If I was in that area I'd be helping.

Another possibility might be to use KPC-3 TNC's in there, and use the control bits to be able to send a message across the air to it and have it flip a relay that shuts the transmitter down (killing PTT perhaps?). This might not protect you in all cases of bad transmissions, but would go a long way toward giving you some control. If you just hooked the relay to PTT, and left the receiver running, you could command the units on/off the air at will. Of course KPC-3's are a lot more expensive than TinyTrak-II's and similar.

--
Curt Mills, WE7U   hacker_NO_SPAM_@tc.fluke.com
Senior Methods Engineer/SysAdmin
"Lotto: A tax on people who are bad at math!"
"Windows: Microsoft's tax on computer illiterates!" -- WE7U
"The world DOES revolve around me: I picked the coordinate system!"

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223. [aprssig] Re: 16 bit (and larger) Telemetry

From: Jeff King <jeff@aerodata.net>
Date: Tue, 10 Dec 2002 13:36:22 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-110373-2002.12.10-13.22.11--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

No comment other then I wouldn't go out of your way not to break the APRS
spec (you said something about being in the user defined field, implying that
you had to carry some payload you don't need). If you review the requests to
the APRSSPEC over the years, you'll see a telemetry format was tops among
them.

Normally wouldn't suggest this to anyone, but your in a position to drive the
spec/avoid the kludge and since you have a personal need, might as well kill
two birds with one stone.

However you chose to do it, good luck. I'm sure it will be useful.

Jeff

--
Jeff King, jeff@aerodata.net on 12/10/2002

On Tue, 10 Dec 2002 03:06:14 -0500, Steve Dimse wrote:
>I'm involved in an APRS project that requires telemetry with greater
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>than the 8 bits provided for in the APRS spec. This data will be
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>I'm bringing this up here because I'm open to suggestions, at least
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>(there are
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>(two consecutive commas or comma at the end of a line). I propose
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>decimal)
>for the format character.

```
>
>Note there is no timestamp or sequence number in this spec. An
>individual user
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>
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>
>As a teaser, I'll show an example of a prototype of a new telemetry
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>http://www.findu.com/cgi-bin/tele1.cgi?call=kj7az-6&last=72&param=2
>
>(param is which of the tele values to plot, in addition 0 is the
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>sequence number, while -1 is the received sequence number).
>
>The final tele cgi will work on the original 8 bit format and either
>of the new
>ones automatically (i.e. it will sense the datatype and do
>conversions
>automatically, no need to specify the format).
>
>Comments encouraged! (and can someone post this on the aprsspec
>group, I'm not
>subscribed!)
>
>
>Steve K4HG
>
>---
>You are currently subscribed to aprssig as: jeff@aerodata.net
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>18229V@lists.tapr.org
>Questions regarding the SIG go to the SIG administrator:
>wa1lou@tapr.org




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```

224. [aprssig] Re: LaCrosse Technology Wireless WX Station

From: "Curt Mills, WE7U" <hacker@tc.fluke.com>
Date: Tue, 10 Dec 2002 11:21:52 -0800 (PST)
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: TAPR APRS Special Interest Group <aprssig@lists.tapr.org>
Message-ID: <LYR842-110385-2002.12.10-14.07.20--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

```
On Mon, 9 Dec 2002, J.Duffy Beischel wrote:

> The Frontgate catalog shows a complete (Thermo/Hygrometer/Wind/Rain
> Gauge)wireless WX station for only $249 and made by La Crosse Technology.
> Anyone have any experience with this unit and interfacing it to APRS?

Lacrosse weather stations are in the Ramsey catalog as well.  I
think I remember seeing that at least one of them had a computer
interface option.  Don't have that catalog with me.

--
Curt Mills, WE7U                    hacker_NO_SPAM_@tc.fluke.com
Senior Methods Engineer/SysAdmin
"Lotto:    A tax on people who are bad at math!"
"Windows:  Microsoft's tax on computer illiterates!" -- WE7U
"The world DOES revolve around me:  I picked the coordinate system!"



---
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```

225. [aprssig] SSTV Through Repeater Examples...

From: "Tom Kinahan" <tom.kinahan@verizon.net>
Date: Tue, 10 Dec 2002 14:27:26 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-110387-2002.12.10-14.12.45--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

```
For all the discussion of SSTV through Repeaters, see my examples from a few
years ago at public service events in the Boston area we did through
repeaters, and through mobile crossband repeaters to repeaters.

 Examples on the web are at:

http://www.qsl.net/n1cpe/
http://www.qsl.net/n1cpe/baa.html
http://www.qsl.net/n1cpe/w4h.html

 These use VC-H1 and TH-D7 on the transmitting end.

 -Tom Kinahan N1CPE




---
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226. [aprssig] APRSCE and GPS

From: "Ron and Val Smith" <rsmitj@tpgi.com.au>
Date: Wed, 11 Dec 2002 05:34:24 +1000
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-110389-2002.12.10-14.19.25--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

```
Hi All,
I have just purchased a Compaq 3850 and installed the latest version of
APRSCE. (It is also registered).
I have connected it to my dm700 and thd7 and in both cases I cannot get it
to read GPS information.
The GPS strings are showing in the little monitor window but the position is
not being recognised.
I see the TNC commands going out and responses coming back so the
connections are correct.  Positions of other stations are being received
when I select fixed position my position is transmitted.
Can anybody help?
Thanks
Ron Smith
vk4ags



---
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```

227. [aprssig] Re: LaCrosse Technology Wireless WX Station

From: "Zachary Grant Michael, KB9UQQ" <zachary.michael@earthlink.net>
Date: Tue, 10 Dec 2002 15:51:53 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-110392-2002.12.10-15.38.02--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

The newest LaCrosse Weather Station, the WS2310, has a computer interface available. The interface is some type of an RS-232 connection. I assume it's a DB-9. It comes with software to display the different readings on your computer, but it's also compatible with the popular Weather-Display (www.weather-display.com) program. You can see all the specs on the WS2310 at http://www.gear101.com/lacrossewallhanging.htm. Scroll down and it's about 1/3 of the way down. One note on this weather station though. The wireless transmitters are NOT solar powered, which is a BIG drawback at remote installments. That is the only reason why I don't own one right now.
73 de kb9uqq
--
Zachary Grant Michael, KB9UQQ
http://www.qsl.net/kb9uqq/

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---

228. [aprssig] Re: APRSCE and GPS

From: "Pat Karp" <pkarp@conwaycorp.net>
Date: Tue, 10 Dec 2002 15:08:33 -0600
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-110393-2002.12.10-15.51.52--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Things to check
1) go into setup - communication - GPS and make sure the GPS enable box is checked
2)In the same window make sure the option "get GPS data from TNC(automatic)" is selected
3)go into setup - Station - Pos and make sure the option "Use Moble Position Reporting Rate of every N minutes" is selected.
4) make sure the Transmit Position Reports check box is checked. Its in the same window.
I think you overlooked one of these. Good luck

----- Original Message -----
From: "Ron and Val Smith" <rsmitj@tpgi.com.au>
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Sent: Tuesday, December 10, 2002 1:34 PM
Subject: [aprssig] APRSCE and GPS

> Hi All,
> I have just purchased a Compaq 3850 and installed the latest version of
> APRSCE. (It is also registered).
> I have connected it to my dm700 and thd7 and in both cases I cannot get it
> to read GPS information.
> The GPS strings are showing in the little monitor window but the position
is
> not being recognised.
> I see the TNC commands going out and responses coming back so the
> connections are correct. Positions of other stations are being received
> when I select fixed position my position is transmitted.
> Can anybody help?
> Thanks
> Ron Smith
> vk4ags
>
>
>
> ---
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> Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org
>
>

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Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

229. [aprssig] Re: LaCrosse Technology Wireless WX Station

From: <BobDonnell@arkalmus.com>
Date: Tue, 10 Dec 2002 13:29:12 -0800
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-110398-2002.12.10-16.14.25--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Hi all,

It appears to me in looking at the pix on the web site that there is a single remote transmitter (actual RF transmitter), or at least, with a single source of power - the two AA batteries specified.
I'd say it's likely that the minimal solar capability needed could be added to this system.
It might even work with something as minimal as a small solar NiCd battery recharging station connected across the battery terminals inside the transmitter.
Do whatever weatherproofing the recharging station needs, and add two AA NiCd's and you're done.
The recharging station should already have both the anti-discharge blocking diode, and a means of limiting the voltage applied to the cells, to prevent overcharging.

73, Bob, KD7NM

>-----Original Message-----
>From: bounce-aprssig-17768@lists.tapr.org
>[mailto:bounce-aprssig-17768@lists.tapr.org]On Behalf Of Zachary Grant
>Michael, KB9UQQ
>Sent: Tuesday, December 10, 2002 12:52 PM
>To: TAPR APRS Special Interest Group
>Subject: [aprssig] Re: LaCrosse Technology Wireless WX Station
>
>
>The newest LaCrosse Weather Station, the WS2310, has a
>computer interface
>available. The interface is some type of an RS-232 connection.
>I assume it's
>a DB-9. It comes with software to display the different
>readings on your
>computer, but it's also compatible with the popular Weather-Display
>(www.weather-display.com) program. You can see all the specs
>on the WS2310
>at http://www.gear101.com/lacrossewallhanging.htm. Scroll down and it's
>about 1/3 of the way down. One note on this weather station though. The
>wireless transmitters are NOT solar powered, which is a BIG drawback at
>remote installments. That is the only reason why I don't own
>one right now.
>73 de kb9uqq
>--
>Zachary Grant Michael, KB9UQQ
>http://www.qsl.net/kb9uqq/
>
>
>---
>You are currently subscribed to aprssig as: kd7nm@pugetsound.net
>To unsubscribe send a blank email to
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>Questions regarding the SIG go to the SIG administrator:
>wa1lou@tapr.org
>
>

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230. [aprssig] Alinco DR-135TPG Experiences?

From: <pdevanney@sympatico.ca>
Date: Tue, 10 Dec 2002 16:40:09 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-110403-2002.12.10-16.25.19--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Does anyone have experience with the Alinco DR-135TPG.

I am interested in experiences good and bad. My application is as a mobile tracker AND Digipeater. I am curious if it will digipeat and respond to relay. My use is to support my D7 when hiking and to act as a tracker when mobile.

TIA,

Peter

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231. [aprssig] Re: Alinco DR-135TPG Experiences?

From: "Ryan" <n2yqt@nycap.rr.com>
Date: Tue, 10 Dec 2002 15:52:28
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-110408-2002.12.10-16.38.13--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

I had really good luck with it as both a standalone tracker, tracker with UI-VIEW32 and a base with UI-VIEW32 and winaprs.

This units will not digi as is but could in KISS mode with and aprs program like UI-VIEW or WinAPRS. Not sure how stable the unit is in KISS mode.

Ryan
N2YQT

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232. [aprssig] Re: 16 bit (and larger) Telemetry

From: Steve Dimse <k4hg@tapr.org>
Date: Tue, 10 Dec 2002 18:12:09 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: TAPR APRS Special Interest Group <aprssig@lists.tapr.org>
Message-ID: <LYR842-110446-2002.12.10-17.57.33--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

On 12/10/02 at 1:36 PM jeff@aerodata.net (Jeff King) sent:

>No comment other then I wouldn't go out of your way not to break the APRS
>spec (you said something about being in the user defined field, implying that
>you had to carry some payload you don't need).

I'm not sure I follow the meaning here.

>If you review the requests to
>the APRSSPEC over the years, you'll see a telemetry format was tops among
>them.
>
>Normally wouldn't suggest this to anyone, but your in a position to drive the
>spec/avoid the kludge and since you have a personal need, might as well kill
>two birds with one stone.
>

First, I'm not in a position to drive the spec. I'm not a member of the APRS WG, You, as another prominent member of the APRS community, have exactly as much ability to drive something with the APRS spec as I do, which is almost nil. This was exactly why we included the user-defined format into the spec, so that good applciations did not need to wait for the APRS WG to approve something. Should this, or any other user defined format become generally accepted, the APRS WG is free to add it to the official spec at any time.

Secondly, this is not a kludge. Even if I were to have some magical power of the APRS WG, this is still what I think is the best way. There are very few symbols yet to be assigned, this is not an application I think deserving enough of one of these. The extra overhead is 2 bytes/packet, hardly a major concern for a low volume application!

Steve K4HG

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233. [aprssig] Re: Alinco DR-135TPG Experiences?

From: "Pat Karp" <pkarp@conwaycorp.net>
Date: Tue, 10 Dec 2002 18:43:54 -0600
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-110452-2002.12.10-19.27.17--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

```
I would suggest using a KPC3+ ver 8.3.  With it you and a 2 meter rig you
can do anything.  Well almost anything. hehe  You can set it up as a tracker
or a digi with its own gps support.  It can do telemetry so it is possible
to keep an eye on battery power.  It uses little power and Radio shack has
the 252 going for $99 so the price would be close to that of a dr-135.
----- Original Message -----
From: "Ryan" <n2yqt@nycap.rr.com>
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Sent: Tuesday, December 10, 2002 3:52 PM
Subject: [aprssig] Re: Alinco DR-135TPG Experiences?


> I had really good luck with it as both a standalone tracker, tracker with
> UI-VIEW32 and a base with UI-VIEW32 and winaprs.
>
> This units will not digi as is but could in KISS mode with and aprs
program
> like UI-VIEW or WinAPRS. Not sure how stable the unit is in KISS mode.
>
> Ryan
> N2YQT
>
> ---
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> Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org
>
>
>




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234. [aprssig] Paccomm locking up?

From: "Peter Summerhawk" <wypcguy@hotmail.com>
Date: Tue, 10 Dec 2002 17:59:36 -0700
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-110454-2002.12.10-19.44.03--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

```
Has anyone had any probems with the Pico Packet locking up and not
responding to commands? I seem to have to this problem with mine every now
and then, Can anyone offer any suggestions?
Thanks
Peter N0WRE
PS: Yes I changed my email as the one I had on my personal server crashed.
So hotmail for now.

---
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```

235. [aprssig] Rat Shack 252 & KPC3+

From: "James" <kb7tbt@qsl.net>
Date: Tue, 10 Dec 2002 18:15:55 -0700
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-110457-2002.12.10-20.03.54--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

```
I have found it impossible to match the 252 with the KPC, I have not been
successful with the 2 at all.
We have dug around on the net looking for information and it is extremely
limited.
I have found a schematic describing wiring it to the detector, but I think
that would be allot more trouble then it is worth.

I do recommend the Yaesu FT-2600, KPC3+ and the Garmin Etrax. This is the
```

setup I have in the car {kd7kyo-2} and the setup is like a hand in a glove.

I have now wired the 252 to my MFJ and it is working just fine at the home
qth.

If there is a definite setup for the 252 and the kpc please post it.

KB7TBT Home Page
http://www.qsl.net/kb7tbt
DM33

In the 60's people took acid to make the world weird. Now the world is
weird and people take Prozac to make it normal.

----- Original Message -----
From: "Pat Karp" <pkarp@conwaycorp.net>
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Sent: Tuesday, December 10, 2002 05:43
Subject: [aprssig] Re: Alinco DR-135TPG Experiences?

> I would suggest using a KPC3+ ver 8.3. With it you and a 2 meter rig you
> can do anything. Well almost anything. hehe You can set it up as a
tracker
> or a digi with its own gps support. It can do telemetry so it is possible
> to keep an eye on battery power. It uses little power and Radio shack has
> the 252 going for $99 so the price would be close to that of a dr-135.
> ----- Original Message -----
> From: "Ryan" <n2yqt@nycap.rr.com>
> To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
> Sent: Tuesday, December 10, 2002 3:52 PM
> Subject: [aprssig] Re: Alinco DR-135TPG Experiences?
>
>
> > I had really good luck with it as both a standalone tracker, tracker
with
> > UI-VIEW32 and a base with UI-VIEW32 and winaprs.
> >
> > This units will not digi as is but could in KISS mode with and aprs
> program
> > like UI-VIEW or WinAPRS. Not sure how stable the unit is in KISS mode.
> >
> > Ryan
> > N2YQT
> >
> > ---
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> > Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org
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> >
> >
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> ---
> You are currently subscribed to aprssig as: kb7tbt@qsl.net
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---

236. [aprssig] shinemicro still selling TNC?

From: "Peter Summerhawk" <wypcguy@hotmail.com>
Date: Tue, 10 Dec 2002 19:39:21 -0700
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-110468-2002.12.10-21.23.55--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

I have tried to contact shine micro without success on ordering another TNC
anyone heard something I missed?
Mail me off the list.

Thanks
Peter N0WRE

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To unsubscribe send a blank email to leave-aprssig-842K@lists.tapr.org
Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

237. [aprssig] Re: 16 bit (and larger) Telemetry

From: Neil Johnson <njohnsn@iowatelecom.net>
Date: Tue, 10 Dec 2002 20:41:32 -0600
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: TAPR APRS Special Interest Group <aprssig@lists.tapr.org>
Message-ID: <LYR842-110470-2002.12.10-21.26.10--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

So how is one going to tell what the data is being transmitted refers to ?

Is it temperature, humidity, voltage, gallons per minute, or rosehits* ?

Or is everyone going to have to define their own user format for each type of telemetry ?

*What's a rosehit ? about .338

--
Neil Johnson, N0SFH
http://www.iowatelecom.net/~njohnsn
http://www.njohnsn.com/
PGP key available on request.

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Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

238. [aprssig] Re: APRS Tracker legalities

From: "Darryl Smith" <Darryl@radio-active.net.au>
Date: Wed, 11 Dec 2002 17:31:56 +1100
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-110526-2002.12.11-01.22.37--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

>From my memory of Part 97 and my knowledge of VK rules
UNATTENDED PACKET OPERATION IS LEGAL SUBJECT TO
        * Normal ID requirements
        * The ability for the equipment to be turned OFF if the need arises, by an UNLICENSED person
        * Controls being inaccessable (frequency) [Not sure if this is still a legal requirement]

Question:
        Is it permissable for you to have an unattended packet station at home if you leave the country for an overseas trip?
Answer:
        YES.

Well, what is the difference here. The only difference is that the device is mobile. That is not much of a difference.

Darryl

Darryl Smith, VK2TDS   POBox 169 Ingleburn NSW 2565 Australia
Mobile Number 0412 929 634 [+61 4 12 929 634 International]
Darryl@radio-active.net.au | www.radio-active.net.au

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Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

239. [aprssig] Re: Paccomm locking up?

From: "Curt Mills, WE7U" <archer@eskimo.com>
Date: Tue, 10 Dec 2002 23:00:43 -0800 (PST)
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: TAPR APRS Special Interest Group <aprssig@lists.tapr.org>
Message-ID: <LYR842-110528-2002.12.11-01.32.06--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

On Tue, 10 Dec 2002, Peter Summerhawk wrote:

> Has anyone had any probems with the Pico Packet locking up and not
> responding to commands? I seem to have to this problem with mine every now
> and then, Can anyone offer any suggestions?

Yea. Keep the power very clean to it, and above the minimum voltage. Mine sometimes loses all of its configs even then. I try to use it in a manner where it doesn't need to keep its configs, like hooked up to an APRS program that initializes it each time. Starting your car engine while it's plugged into the vehicle might cause it to lose its configs or lock up.

I sent mine in for an upgrade a while back, which was completed. I haven't used it a lot since I got it back, but I'm hoping it's better now for some of these cases. Mine was a very early production model. As soon as I find my bag of powerpole connectors, I'll set up cabling for my Jeep and start using it again.

Curt, WE7U.   archer@eskimo.com
http://www.eskimo.com/~archer
  Lotto: A tax on people who are bad at math. - unknown
Windows: Microsoft's tax on computer illiterates. - WE7U.

---
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Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

240. [aprssig] Re: APRS Tracker legalities

From: "Curt Mills, WE7U" <archer@eskimo.com>
Date: Tue, 10 Dec 2002 23:14:35 -0800 (PST)
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: TAPR APRS Special Interest Group <aprssig@lists.tapr.org>
Message-ID: <LYR842-110530-2002.12.11-01.43.11--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

On Wed, 11 Dec 2002, Darryl Smith wrote:

> >From my memory of Part 97 and my knowledge of VK rules
> UNATTENDED PACKET OPERATION IS LEGAL SUBJECT TO
>   * Normal ID requirements
>   * The ability for the equipment to be turned OFF if the need
> arises, by an UNLICENSED person
>   * Controls being inaccessable (frequency) [Not sure if this is
> still a legal requirement]
>
>
> Question:
>   Is it permissable for you to have an unattended packet station
> at home if you leave the country for an overseas trip?
> Answer:
>   YES.
>
> Well, what is the difference here. The only difference is that the
> device is mobile. That is not much of a difference.

Sounds good to me! I'm sure there've been cases where a spouse or other family member has been called while the ham was away, and told to shut off equipment. Pretty similar I'd say and seems to be in the spirt of "keeping it legal".

I'd _love_ it if it were allowed for a non-ham to both turn on and turn off an APRS tracker, as long as other controls such as power level, frequencies, tones, offsets, etc, were still inaccessible to the non-ham.

That would allow non-ham SAR members for instance to carry an enclosed APRS tracker into the woods (with only an on/off switch accessible to them). It'd also allow unattended trackers for public

service events such as being discussed, with a non-ham able to "aid"
in the control by performing remote on/off control under the watchful
eye/ear of the (remote) control operator.

The intent here is good: Public service w/APRS under rules that
don't directly specify this exact situation. So why haven't we seen
all the cries of "that ain't legal" like we usually do when this
topic is brought up? Are people mellowing out a little? ;-)

Curt, WE7U.   archer@eskimo.com
http://www.eskimo.com/~archer
  Lotto: A tax on people who are bad at math. - unknown
Windows: Microsoft's tax on computer illiterates. - WE7U.

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Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

241. [aprssig] Telemtery scanning cgi

From: Steve Dimse <k4hg@tapr.org>
Date: Wed, 11 Dec 2002 03:27:21 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-110533-2002.12.11-03.12.44--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Several people emailed me asking for more callsigns with active telemetry, so I
wrote a cgi:

http://www.findu.com/cgi-bin/tele-list.cgi

This shows all stations with telemetry transmissions in the last 24 hours. Many
of these only have a couple of points (anyone know why some D700's apparently
send a tele packet on rare occasions?). Links are there to show the old tele
plot (all parameters, one pixel per report), and the new one plotting the
parameters individually with calibrated time axis.

Steve K4HG

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242. [aprssig] Re: Rat Shack 252 & KPC3+

From: "James" <kb7tbt@qsl.net>
Date: Wed, 11 Dec 2002 03:29:38 -0700
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-110539-2002.12.11-05.16.16--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Hi Chris
Thx for the reply, these sites I have already been too and the one jpg image
is wrong for the 252, one fact is that the connector on the 252 is an 8 pin,
this diagram is a RJ-45, also if you follow this on the 8 pin it does not
work, we have tried 50 different combinations and it still wont work right.

there has to be someone out there that has actually made the two units work
together, and if I can get a viable schematic I will post it on my site and
on this list.

KB7TBT Home Page
http://www.qsl.net/kb7tbt
DM33

 In the 60's people took acid to make the world weird. Now the world is
weird and people take Prozac to make it normal.

----- Original Message -----
From: "Chris Rose" <kb8uih@arrl.net>
To: "James" <kb7tbt@qsl.net>
Sent: Tuesday, December 10, 2002 06:45
Subject: Re: [aprssig] Rat Shack 252 & KPC3+

> Try one of these sites.
>

> www.packetradio.com
>
> http://www.packetradio.com/!TNCables/KV2RSRJ45.jpg
>
> Chris
> KB8UIH
>
> ----- Original Message -----
> From: "James" <kb7tbt@qsl.net>
> To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
> Sent: Tuesday, December 10, 2002 8:15 PM
> Subject: [aprssig] Rat Shack 252 & KPC3+
>
>
> > I have found it impossible to match the 252 with the KPC, I have not
been
> > successful with the 2 at all.
> > We have dug around on the net looking for information and it is
extremely
> > limited.
> > I have found a schematic describing wiring it to the detector, but I
think
> > that would be allot more trouble then it is worth.
> >
> > I do recommend the Yaesu FT-2600, KPC3+ and the Garmin Etrax. This is
the
> > setup I have in the car {kd7kyo-2} and the setup is like a hand in a
> glove.
> >
> > I have now wired the 252 to my MFJ and it is working just fine at the
home
> > qth.
> >
> > If there is a definite setup for the 252 and the kpc please post it.
> >
> >
> > KB7TBT Home Page
> > http://www.qsl.net/kb7tbt
> > DM33
> >
> > In the 60's people took acid to make the world weird. Now the world is
> > weird and people take Prozac to make it normal.
> >
>
>

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Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

243. [aprssig] Re: 16 bit (and larger) Telemetry

From: Steve Dimse <k4hg@tapr.org>
Date: Wed, 11 Dec 2002 06:19:27 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: TAPR APRS Special Interest Group <aprssig@lists.tapr.org>
Message-ID: <LYR842-110543-2002.12.11-06.04.40--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

On 12/10/02 at 9:46 AM bruninga@usna.edu (Bob Bruninga) sent:

>When importing a text file into EXCEL, it attempts to find delimiters to
>delimit the fields. If the comma was there, then it finds the first
>field. But without it, then the first data field always has "}THnnn"
>attaced to the first data field. If the comma is not there, then you have
>to jump through hoops and mix fixed fields lengths with comma delimited
>parsing inorder to get the first data field.
>
>Yes, it can be done, and easily by experts, but to first time students
>it's just a hurdle that we dont need to be inserting. If the point is to
>make easily parseable APRS data files, then having the comma there makes
>it trivial (our objective).
>
OK, guess that is a good enough reason, consider the proposal amended to include
a comma between the }Tx and the first number:

}TH,243,AE,4F2,,12,0,FF

}TD,134.2,42,0,-23.3,0,

Sure would be a better world if everyone knew Perl though ;-)

>The more I think about it the more I like the idea of requiring the first
>field to be an identifier. The reason is that everyone usually starts
>with one application and may not have any intention of later adding
>another application under his call. But if he was not smart enough to
>anticipate future applications and did not put one in his first such
>application, then when he puts his second one on line, he now has a
>problem in parsing... and data base compatibility...
>
Even with the same software and hardware, two stations could transmit different values, because the calibration coefficients could be different. So just as now with the T# telemetry, unless people use the on-the-air mechanism to provide the info, there is no way to find out the actual meaning of any specific dataset.

I plan to address this on findU in two ways. First, the calibration coefficients and labels will be able to be specified in the cgi call, allowing people to create links which show true units and labels.

At a later date, when findU has user account infrastructure complete, a user will be able to store these on the server, so anytime anyone asks for a telemetry cgi, the values set by the owner will be used to plot the graph.

Steve K4HG

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Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

244. [aprssig] Re: APRS Tracker legalities

From: Alex <kr1st@amsat.org>
Date: Wed, 11 Dec 2002 08:11:28 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-110550-2002.12.11-07.54.28--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

"Curt Mills, WE7U" wrote:

> So why haven't we seen
> all the cries of "that ain't legal" like we usually do when this
> topic is brought up? Are people mellowing out a little? ;-)

Folks finally got wise and ask the FCC or the ARRL when they have a question like that rather than ask a bunch of arm chair lawyers on a mailing list and seeing the same discussion unfold over and over again?

Maybe people even got a copy of the FCC rule book and have started to read it. This book can be had for FREE when you renew your ARRL membership. Or perhaps people are finally starting to hear Riley Hollingsworth message about using common sense when questions like these arise.

73,
--Alex KR1ST

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245. Your confirmation is needed (ok 842)

From: Lyris <unsubscribe-confirm@lists.tapr.org>
Date: Wed, 11 Dec 2002 08:25:40 -0500
To: lyris.aprssig@tapr.org
Message-ID: <LYR842-110555-2002.12.11-08.25.40--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Your email address 'lyris.aprssig@tapr.org' has been submitted to be unsubscribed from the 'aprssig' mailing list.

This unsubscribe command requires your confirmation that you want to be unsubscribed.

To confirm that you do want to unsubscribe, reply to this message so that the words "ok 842" appear somewhere on the subject line.

Make sure that your reply message is addressed to
unsubscribe-confirm@lists.tapr.org

You will receive notification that your confirmation has been received, and
that you have been unsubscribed.

If you do not want to unsubscribe, do nothing. You will be kept on the
mailing list.

```
---

Return-Path: <unsubscribe@avatier.com>
Received: from 28.04.46.11 ([68.56.112.38]) by lists.tapr.org with SMTP (Lyris Server version 3.0); Wed,
 11 Dec 2002 08:25:37 -0500
From: Avatier.com <unsubscribe@avatier.com>
To: aprssig-request
Reply-To: unsubscribe@avatier.com
Subject:
Date: Wed, 11 Dec 2002 06:04:47 -0800
MIME-Version: 1.0
Content-Type: multipart/mixed; boundary="8cb408f3-7bd9-4ba3-9f13-e30f4dfa88bf"

# Mail sent to leave-aprssig-842k was converted to these commands:
unsubscribe aprssig lyris.aprssig@tapr.org confirm
end

# This is the text of the message that triggered the action:

Return-Path: <unsubscribe@avatier.com>
Received: from 28.04.46.11 ([68.56.112.38]) by lists.tapr.org with SMTP (Lyris Server version 3.0); Wed,
 11 Dec 2002 08:25:37 -0500
From: Avatier.com <unsubscribe@avatier.com>
To: leave-aprssig-842k@lists.tapr.org
Reply-To: unsubscribe@avatier.com
Subject: CLOSE YOUR NUMBER #1 SECURITY HOLE
Date: Wed, 11 Dec 2002 06:04:47 -0800
MIME-Version: 1.0
Content-Type: multipart/mixed; boundary="8cb408f3-7bd9-4ba3-9f13-e30f4dfa88bf"


This is a multi-part message in MIME format

--8cb408f3-7bd9-4ba3-9f13-e30f4dfa88bf
Content-Type: text/plain; charset=iso-8859-1
Content-Transfer-Encoding: quoted-printable

www.passwordbouncer.com/stophackers
After all the security measures taken to make your network impenetrable, =
there is one liability could undermine your entire operation.
Allowing weak network logon password policies on your network is like giving =
a stranger the keys to the front door of your home. Strict logon password =
policy is your first line of defense.
Password Bouncer delivers stronger password enforcement than Win2K/NT, by =
preventing users from selecting vulnerable passwords that can be easily =
guessed or cracked by hackers. Passwords are screened and validated against a =
300,000-word English wordlist and a 4,000-word proper noun wordlist in =
addition to highly configurable password rules.
START DEFEATING HACKERS TODAY, DOWNLOAD YOUR FREE TRIAL NOW: =
www.passwordbouncer.com/stophackers
Remove yourself from our email list by:
Sending a blank email to the following address: unsubscribe@avatier.com
--8cb408f3-7bd9-4ba3-9f13-e30f4dfa88bf--
```

246. CLOSE YOUR NUMBER #1 SECURITY HOLE

From: "Avatier.com" <unsubscribe@avatier.com>
Date: Wed, 11 Dec 2002 06:12:45 -0800
To: lyris.aprssig@tapr.org
Message-ID: <20021211134832.7341EAA1A@mx2.mail.twtelecom.net>
Rendered body type: text/plain

www.passwordbouncer.com/stophackers
After all the security measures taken to make your network impenetrable, there is one liability could undermine your entire operation.
Allowing weak network logon password policies on your network is like giving a stranger the keys to the front door of your home. Strict logon password policy is your first line of defense.
Password Bouncer delivers stronger password enforcement than Win2K/NT, by preventing users from selecting vulnerable passwords that can be easily guessed or cracked by hackers. Passwords are screened and validated against a 300,000-word English wordlist and a 4,000-word proper noun wordlist in addition to highly configurable password rules.

START DEFEATING HACKERS TODAY, DOWNLOAD YOUR FREE TRIAL NOW: www.passwordbouncer.com/stophackers
Remove yourself from our email list by:
Sending a blank email to the following address: unsubscribe@avatier.com

247. [aprssig] Re: APRS Tracker legalities

From: "Germino" <mgermino@inreach.com>
Date: Wed, 11 Dec 2002 06:05:20 -0800
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-110560-2002.12.11-08.56.04--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

> Folks finally got wise and ask the FCC or the ARRL when they have a
> question like that rather than ask a bunch of arm chair lawyers on a
> mailing list and seeing the same discussion unfold over and over again?

I wouldn't ask the FCC anything. This is a government agency, if you want a ruling, high priced lawyers are needed. A quick ruling by someone who is unknowledgeable about the issue, may have far reaching effects for all of ham radio.

It is your license at risk. Read the rule book, also remember rules are not everything. For instance, it is legal at the start of a QSO to not ID for ten minutes, but not very friendly.

Mike
73, AD6AA

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248. [aprssig] Re: 16 bit (and larger) Telemetry

From: James Jefferson <jjeffers@aprsworld.net>
Date: Wed, 11 Dec 2002 08:28:48 -0600
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-110564-2002.12.11-09.14.01--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

> At a later date, when findU has user account infrastructure complete, a
> user will be able to store these on the server, so anytime anyone asks for
> a telemetry cgi, the values set by the owner will be used to plot the
> graph.

Steve - that makes the telemetry coefficients only available on findu.com. That means that my site aprsworld.net can't plot their telemetry unless they re-enter their coefficients, but more importantly it means that normal APRS clients (Xastir,Winaprs,Macaprs,APRS+SA,dosAPRS),can't view the "new-style" telemetry.

I would definitely devise a means for sending coefficients over the air. With the cheapness of 10-bit and up ADCs there is going to be more and more uses for the telemetry format you put together .... might as well go the rest of the way and make it possible for the coefficients to be sent over the air to everyone. (Or from findu.com out to the internet and gated at the local igate's choice).

-Jim KB0THN

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249. [aprssig] Re: 16 bit (and larger) Telemetry

From: Steve Dimse <k4hg@tapr.org>
Date: Wed, 11 Dec 2002 10:06:27 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: TAPR APRS Special Interest Group <aprssig@lists.tapr.org>
Message-ID: <LYR842-110567-2002.12.11-09.51.36--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

On 12/11/02 at 8:28 AM jjeffers@aprsworld.net (James Jefferson) sent:

>> At a later date, when findU has user account infrastructure complete, a

>> user will be able to store these on the server, so anytime anyone asks for
>> a telemetry cgi, the values set by the owner will be used to plot the
>> graph.
>
>Steve - that makes the telemetry coefficients only available on findu.com.
>That means that my site aprsworld.net can't plot their telemetry unless they
>re-enter their coefficients, but more importantly it means that normal APRS
>clients (Xastir,Winaprs,Macaprs,APRS+SA,dosAPRS),can't view the "new-style"
>telemetry.
>
>I would definitely devise a means for sending coefficients over the air. With

There already is one (see the telemetry section of the APRS spec), and though
you cut out that section of my message, I specifically mentioned it:

>>So just as now with the T# telemetry, unless people use the
>>on-the-air mechanism to provide the info, there is no way to find
>>out the actual meaning of any specific dataset.

Perhaps I wasn't explicit enough, the new format is in no way incompatible with
the over-the-air format that supports the present T# format, though only the
first 5 values could be defined in this manner. I've mentioned before that findU
does not support this over-the-air definition at present, because despite
requests for any users to come forward, and despite searching through 3 years of
archived data, I've found no instance of even one of these packets appearing on
APRS IS. Furthermore, AFAIK, only Bob's client supports this technique at all.

My own opinion...I think there is a reason for this. People that send telemetry
do so for their own reasons, there is not an overwhelming need or desire to let
the world understand this info. Personally, I find some of the paramters being
telemetered very intriquing. I've noted long term trends that make me certain at
least one person is sending solar illumination data, or something else closely
tied with the solar season. I'd love to know the details. I begged, when I first
mentioned the tele.cgi, for someone using the tele format to share what was
being sent, but I never got a single response.

And at least under US rules, it is fully their right to keep the nature of the
values of the data they are sending to themselves:

97.217: Telemetry transmitted by an amateur station on or within 50 km of the
Earth's surface is not considered to be codes or ciphers intended to obscure the
meaning of communications.

People don't have to share the meaning, and the fact that no one implements the
well-documented method of sharing the meaning, one that has been in APRS as long
as I have (and we are talking double digits here), speaks volumes...

So, my emphasis in findU is to provide a mechanism for people to use the
telemetry for whatever their purpose may be, and to share the meaning, or not,
as they choose. And should someone chose to start using the on-the-air feature,
I'd support it in findU sooner or later (depending on how much they intriqued me
with the utility!).

Steve K4HG

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To unsubscribe send a blank email to leave-aprssig-842K@lists.tapr.org
Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

250. [aprssig] Re: 16 bit (and larger) Telemetry

From: James Jefferson <jjeffers@aprsworld.net>
Date: Wed, 11 Dec 2002 09:44:58 -0600
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: aprssig@lists.tapr.org
Message-ID: <LYR842-110571-2002.12.11-10.30.17--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Hi Steve and aprsssig,

> you cut out that section of my message, I specifically mentioned it:

Whoops, my bad.

It would be nice to be able to define the telemetry for more then the five
fields. Since it seems like we agree on everything regarding telemetry, let's
come up with a flexible way to define telemetry coefficients over the air for
more then five values.

One possible solution would be to send the coefficient and the label for each
chanel as a seperate packet. How about using the user-defined TC designator:
}TC,channel,label,a_coefficient,b_coefficent,c_coefficient

So for channel 2 which is the battery voltage where the the voltage comes from
10x:
}TC,Battery Voltage,0,10,0

> (snip) I've found no instance of even
> one of these packets appearing on APRS IS. Furthermore, AFAIK, only Bob's
> client supports this technique at all.

aprsworld.net support telemetry, telemetry coefficients, and telemetry labels.
You are right, they are few and far between ... but not non-existant.

```
mysql -hdb.aprsworld.net -uguest aprs
mysql> select distinct source from telemetry_coefficients;
+----------+
| source   |
+----------+
| CS1RLA-4 |
| CT1DTO-3 |
| DK5JG-2  |
| IR4PC-2  |
| MB7UJ    |
| PE1DNN-2 |
| PI1APA   |
| PI1APK   |
| VK5ZTY   |
+----------+
9 rows in set (0.10 sec)
mysql> select distinct source from telemetry_labels;
+----------+
| source   |
+----------+
| CS1RLA-4 |
| CT1AFT   |
| CT1DTO-3 |
| DK5JG-2  |
| IR4PC-2  |
| MB7UJ    |
| PE1DNN-2 |
| PI1APA   |
| PI1APK   |
| VK5ZTY   |
+----------+
10 rows in set (0.09 sec)
mysql>
```

-Jim KB0THN

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Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

251. [aprssig] SSTV over repeaters

From: Bruce Gordon <bgordon@rain.org>
Date: Wed, 11 Dec 2002 08:32:42 -0800
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-110574-2002.12.11-11.14.42--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Hi all,

Some more elaborate voice repeaters use auxiliary receivers and a voter
to extend their service area. The popular GE voter used in these
systems (and perhaps others) uses a 1950 Hz control tone and a matching
filter in the audio. This is not noticable on voice (ears are
wonderful!) but tears up SSTV. The picture quality will also be
degraded by audio distortion all too prevalent among repeaters.

A simple solution for local interchange is a simplex SSTV repeater
supported by ChromaPix and others. The equipment is simple but full
exchange takes twice as long.

Bruce Gordon N6OLT

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Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

252. [aprssig] Re: APRS Tracker legalities

From: "Peter Summerhawk" <wypcguy@hotmail.com>
Date: Wed, 11 Dec 2002 11:49:38 -0700
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-110603-2002.12.11-13.34.08--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Part 97 can also be viewed on the web a half a dozen placed for free as
well, print them out and you have your copy for the cost of the paper and
ink.
Just have to know where to look.

----- Original Message -----
From: "Alex" <kr1st@amsat.org>
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Sent: Wednesday, December 11, 2002 6:11 AM
Subject: [aprssig] Re: APRS Tracker legalities

> "Curt Mills, WE7U" wrote:
>
> > So why haven't we seen
> > all the cries of "that ain't legal" like we usually do when this
> > topic is brought up? Are people mellowing out a little? ;-)

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Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

253. [aprssig] Re: 16 bit (and larger) Telemetry

From: Henk de Groot <henk.de.groot@hetnet.nl>
Date: Wed, 11 Dec 2002 22:50:03 +0100
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: aprssig@lists.tapr.org
Message-ID: <LYR842-110623-2002.12.11-16.49.16--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

At 09:44 11-12-02 -0600, James Jefferson wrote:

```
>mysql> select distinct source from telemetry_labels;
>+----------+
>| source   |
>+----------+
>| CS1RLA-4 |
>| CT1AFT   |
>| CT1DTO-3 |
>| DK5JG-2  |
>| IR4PC-2  |
>| MB7UJ    |
>| PE1DNN-2 |
>| PI1APA   |
>| PI1APK   |
>| VK5ZTY   |
>+----------+
>10 rows in set (0.09 sec)
>mysql>
```

Nice list! Note that PI1APA, PI1APK are our DIGI_NED test digis, using
telemetry for reporting VSWR, selected antenna, Ice warning (temp below
zero or not) etc. through a simple LPT port interface. PE1DNN-2 is dummy
data, that's my test setup :-). DK5JG-2 is the guy from the telemetry
interface and the APRS thermometer (also with DIGI_NED).

I hope all this talk about telemetry will make other people enthousiastic
to have a go at it too, so that next time you do this query you get a long
list...

Kind regards,

Henk.

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254. [aprssig] DIGI_NED 0.3.3

From: Henk de Groot <henk.de.groot@hetnet.nl>
Date: Wed, 11 Dec 2002 23:02:27 +0100
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-110626-2002.12.11-16.49.58--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Hello,

I released a new version of DIGI_NED, version 0.3.3.

If you don't know what DIGI_NED is, it is a dedicated digipeater, does not have a GUI but is very stable and good at its job (If you disagree, tell me what's wrong and I fix it...). It runs in DOS on cheap 286 class PC's (or better) and on Linux using all kind of modems, from cheap BayCom/BayPack and YAM modem to KISS TNC's and SCC cards. It can have up to 8 ports so can also act as a cross-band digipeater. The source is published under the GPL licence.

It has taken quite some time. In the mean time version 0.3.2 was durability tested. In our digi PI1APK this version ran for half a year without any interruption or malfunction of any kind. Is super stable software.

This versions contains a number of small but usefull addaptions. First of all the port number used by AX25_MAC are aligned with the numbers in DIGI_NED now. The old AX25_MAC still works, the new AX25_MAC checks if "version: 2" is present in the AX25_MAC.INI file to avoid problems.

Furthermore it is now possible to transmit beacons at fixed times. By changing the interval "10" for every 10 minutes to "@10" the beacon will be transmitted at every 10 minutes past the hour. Range is @00 to @59 but if you use for example @60 then the beacon is send every other hour.

It is now also possible to automatically start maintenance programs. This works with the new "automessage:" rule. With this rule you can at a specific interval or at a specific time automatically internally send a query to the digi. Since on the response to a query bulletins can be send, object posted and programs executed, you can automatically start maintenance programs to for example fetch kepler sets or to compensate drift of the PC clock. The digi reacts to the internal query as if it was send by anohter station, only direct responses to the originator are send to the screen.

Two new rules were added "digifirst:" and "diginext:". They work as "digipeat:" but make a difference if the digi due is the first in the digipeater list or not.

Finally some small problems were solved. The "whois" example didn't work anymore, for DOS is now works with a little qbasic program, so it now works without 'egrep' from the MKS toolkit. Now you can also see how it works an maybe more people will start experimenting with this now.

DIGI_NED should also compile again with Suse 8.0 and Slackware 8.0, due to changes in the ax25 package of Linux it didn't compile clean without manual changes. Now it should work again.

As usual the version has been posted to the dutch packet network as DNEXE033.ZIP. This version and the source are available on the web via:

http://www.qsl.net/digi_ned

or

http://www.homepages.hetnet.nl/~remko

Here are the changes from the Changes.txt file:

Changes.txt

29-11-2002 version 0.3.3
- Syntax and semantic fixes in the manuals and executables - provided by
   David, ZL3AI. Thanks David!
- Change in the satellite query response, when the satellite is out of
   range then the response contains the next AOS instead of only saying
   that the satellite is not in range.
- Change of the AX25_MAC driver. Port numbers in the AX25_MAC.INI file now
   start counting at '1' instead of '0'. The change is only cosmetic, if you
   use the new AX25_MAC driver don't forget to increment the port numbers in

your existing AX25_MAC.INI file. The driver will now check the version of its .ini file, look at the sample AX25_MAC.INI for the syntax. Reason for the change is that the AX25_MAC port numbering now matches with DIGI_NED's port numbering and its also more natural to start counting at '1'. Having the same numbering can prevent hard to find installation mistakes. The software API has not changed so DIGI_NED works equally well with the old as with the new AX25_MAC driver. This change of course only applies to DOS.

```
+----------------------------------------------------------------------+
| WARNING:                                                             |
| The port numbers in AX25_MAC now count from 1 instead of 0 to allign |
| the port numbers with the numbers used in DIGI_NED.                  |
| If you use version 0.06 or better do not forget to adjust your       |
| AX25_MAC.INI file. You can still use the old AX25_MAC if you want,   |
| function wise they are compatible. The new AX25_MAC checks if        |
| AX25_MAC.INI has the correct version number to prevent problems!     |
+----------------------------------------------------------------------+
```

- Problem with "!ptt" command. On screen the program said that the PTT was disabled, however it did not actually do it. Oops...
- Added ALT-B keyboard command which forces transmission of the beacons.
- After 1 minute of logging the logfile is now closed and reopend to give operating system a chance to update the file administration. This applies to the digi_ned logfile and the tnc logfile. This way the major part of the logfile is saved even when bluntly switching off the PC (or in case of a power interruption). Previously the logfiles would be empty in these cases because DOS only seem to update its administration after the file is closed. When exiting DIGI_NED normally this is not a problem, but it is when the PC is unexpectedly switched off. I don't know if this was also a problem for Linux - I don't want to jeopardize my filesystem to check this...
- The tnc logfile also contained non UI frames or UI frames with a PID unequal to 0xF0. Since the TNC log format is only for text UI frames this gave funny results. Now only UI frames with PID 0xF0 are logged, this are the APRS frames and not IP, NetRom and connection oriented packets.
- Added "~" to the "data_prefix:" rule in the sample digi_ned.ini. Now dupe checking on UIview messages are treated like APRS conformant messages.
- Added an #ifdef in mac_if.c to prevent inclusion of rose.h if a new ax25.h headerfile is used. Aparently this caused problems on an Suse 8.0 system. Don't know exactly why, but this should prevent it anyway. The new ax25.h header seems to include netrose/rose.h, but in the linux/rose.h file was not protected against this, which led to redefinition problems.
- Some output missed a <CR>, two error outputs had an extra <CR>. Thanks to David, ZL3AI, for finding and reporting it.
- Changed the template beacon to have an star with an overlay "D" for DIGI_NED as per suggestion of Bob Bruninga on june 23 2002 on the APRS SIG.
- Problem in monitor output when sending DX messages. It shows as destination port the port on which the DX was recieved, instead of the port to which the data is tranmitted. So it looked like multiple transmissions went to the same port. The real transmissions were however on the correct port. Found by Jaap, PA5JB, thanks reporting it!
- Modification to mac_if.c do that it compiles again on Slackware 8.0 systems. Thanks to Diego, IW1DGI, for reporting this and testing the fix.
- Repaired 'whois' example, it was broken after I added single quotes arround the query data (to avoid redirecton when a '>' appears in the query the user send). The DOS version now uses a simple qbasic Basic program instead of the MKS tooklit 'egrep'.
- New rule 'automessage:'. Enables to automatically send a message internally to trigger posting of objects, keep tracking running or to run programs at regular intervals.
- Rules 'send:', 'beacon:', 'wx:', 'telemetry' and 'automessage' can also use absolute time now. Add an '@' sign to the interval, the number now specifies how many minutes past the hour the beacon shall appear. Note that numbers above 60 will start skipping hours; i.e. @80 specified 20 minutes past every other hour.
- Added new rules "digifirst:" and "diginext". They work as "digipeat:" but "digifirst:" only acts if the digi due is first in the digipeater list and "diginext:" only acts if the digi due is not the first in the digipeater list.

APRS[tm] is a Trademark of Bob Bruninga,
his home page is at "http://web.usna.navy.mil/~bruninga/aprs.html"

Kind regards,

Henk.

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255. [aprssig] Re: 16 bit (and larger) Telemetry

From: Steve Dimse <k4hg@tapr.org>
Date: Wed, 11 Dec 2002 18:18:39 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: TAPR APRS Special Interest Group <aprssig@lists.tapr.org>
Message-ID: <LYR842-110636-2002.12.11-18.03.56--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

On 12/11/02 at 10:50 PM henk.de.groot@hetnet.nl (Henk de Groot) sent:

>Nice list! Note that PI1APA, PI1APK are our DIGI_NED test digis, using
>telemetry for reporting VSWR, selected antenna, Ice warning (temp below
>zero or not) etc. through a simple LPT port interface. PE1DNN-2 is dummy
>data, that's my test setup :-). DK5JG-2 is the guy from the telemetry
>interface and the APRS thermometer (also with DIGI_NED).
>
>I hope all this talk about telemetry will make other people enthousiastic
>to have a go at it too, so that next time you do this query you get a long
>list...
>

I should have mentioned DIGI_NED, as I was aware of their tranmitting this format, however the two people that I corresponded to about this informed me that they did not use the coefficients, only the labels. Looking at the parsed values on James site, this appears to be unchanged. Is there some reason that you do not use the coeffient formula to, for example, scale the SWR to the "usual" decimal number?

Also, these two told me that they specifically set the path on these packets so that they would not reach the APRS IS, as they felt this was internal information, and did not wish it shared. Indeed, for both of these stations in PE, one did not have any telemetry on findU, the other did not have the label messages passing through. Perhaps I was wrong to consider all users would not wish to keep this data internal. James site did reveal a couple of people that are indeed using the formula, a DK (active, but only getting a few packets to the APRS IS a day) and a VK (not heard in the last two weeks.

Nice to see some use of this...

Steve K4HG

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256. [aprssig] FW: soundcard APRS?

From: "Ken Cechura" <kcechura@umr.edu>
Date: Wed, 11 Dec 2002 22:42:14 -0600
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-110685-2002.12.11-23.27.49--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

-----Original Message-----
From: Ken Cechura [mailto:kcechura@umr.edu]
Sent: Wednesday, December 11, 2002 10:39 PM
To: 'aprssig@tapr.org'
Subject: soundcard APRS?

What software would I need to do soundcard APRS? My buddy's TT2 took a hit, and he wants to use his laptop for a tracker temporarily for an event this weekend..

Thanks
Ken

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257. [aprssig] Re: FW: soundcard APRS?

From: "Curt Mills, WE7U" <archer@eskimo.com>
Date: Wed, 11 Dec 2002 21:40:42 -0800 (PST)

To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: TAPR APRS Special Interest Group <aprssig@lists.tapr.org>
Message-ID: <LYR842-110697-2002.12.12-00.09.08--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

On Wed, 11 Dec 2002, Ken Cechura wrote:

> What software would I need to do soundcard APRS? My buddy's TT2 took a
> hit, and he wants to use his laptop for a tracker temporarily for an
> event this weekend..

Windows: AGWPE + an APRS program that talks to it. APRS+ does for
sure. Others probably do as well.

Linux: Soundmodem + Xastir.

Curt, WE7U.   archer@eskimo.com
http://www.eskimo.com/~archer
  Lotto: A tax on people who are bad at math. - unknown
Windows: Microsoft's tax on computer illiterates. - WE7U.

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258. [aprssig] Re: 16 bit (and larger) Telemetry

From: Steve Dimse <k4hg@tapr.org>
Date: Thu, 12 Dec 2002 01:28:51 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-110712-2002.12.12-01.14.15--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

On 12/10/02 at 9:06 AM allan.sadowski@ncshp.org (Sadowski, Allan) sent:

>My only question or response... is how to differentiate between different
>users who may have differently defined telemetry sequences... without
>having to go ask them what their values map to... it's sort of where WX data
>is today in a way....
>

Aside from the on-the-air spec which can be used to provide the basics, there is no provision, nor could there be. Too much information needs to be conveyed for many sensors to do so through RF APRS. As I say, I think that telemetry is largely "personal" information, meaning it is intended for insiders, people who have the knowledge to interpret it. The APRS Spec does a decent job of defining those things of general interest to people, things that are "everyday". Telemetry is more designed for unusual paramters that are followed across time at a single location. Take, for example, the classic telemetry example of voltage. I don't care what your voltage is compared to mine, I care about the way each changes over time (and in reality, I don't care a whole lot about your voltage).

Even if there is some way (e.g. the on-the-air method) to identify a telemetry parameter as a voltage and display it as a true value, that still has very little meaning. What voltage? How accurate is the calibration? What are the "danger" values? If you try to create a format that can cover every possible thing, you end up with a packet 100 bytes long for each data point.

>I.E.....   I've been working with seismic sensors (cheap geophones), passive
>IR sensors, and magnetic field sensors.... each are independent... so I have
>a sensor number I associate with each sensor to identify it (uniquely)...
>that works for me since I don't put this data on 144.39... but I see the day
>where it will be useful to put it on 144.39 (using the local digipeaters to
>relay the data to me and then I can monitor a car driving up my driveway
>(magnetic sensor)... person walking up my sidewalk (seismic and IR
>sensors))...   or even being able to note if it's deer or poachers that are
>hanging around the feeding point on my wooded property.... (four legs vice
>two legs are easy to differentiate with seismic sensors... by the walking
>pattern)... and given my sensor studies... I'd like to see and decode
>similar info from other folks sensors....
>

But even if I know it is a seismic sensor, I need to know a lot more than that (and its lat/lon) to make any sense of what I are looking at...do you see what I mean? A seismic sensor is not standard in the same way, for example, a wind sensor is (and yes, there are problems with the way some people implement these sensors, but the concept has a universality to it). On the other hand, very few people have such an understanding of a seismic sensor...you need "insider" knowledge beyond just the sensor type.

>So... should there not be an additional identifier field besides just T for telemetry? Frankly, one byte for 255 different sensor types would help (in my case... maybe not yours.... but maybe it'll help others who may have other types of sensors.... water temp, water level, ambient light (for cloud cover as well as algae concentration), water or gas or fuel pressure, depth, chemical detectors, etc etc etc)
>

You can add anything you want before the first comma, and the software won't care, as I said this is a delimited rather than position based format, so this won't break the software, though I don't see much use for this:

```
}THThis is a seismic sensor in my driveway,F23,A31
```

The only thing I'd see it useful for is something like PCSats telemetry frame, where there are 4 different sets of values sent with the same callsign.

>I particularly LOVE the 16 bit field... as many sensors these days are 10-12 bit sensors...
>

You missed the whole point, it is not 16 bit, there is no specification of size, it could be 1 bit or 512 bits! This is the flexibility my project required, and the beauty of this format...

>Seems like the approach you are taking (which I do applaud despite any impression from my above comments)... might cause a "tower of Babel"....
>
>It boils down to explicit data types (the extra ID byte... or XML) vice implicit... a particular field location in a string.
>

I could not disagree more, the whole point of this is flexibility, there should be nothing specified in this other than the number base (as in decimal or hex), anything else is up to the user. Nothing else explicit, and nothing implicit.

If you and others want to work on seismic sensors, you can define your own data types, and identify and classify your data all you want. Understand, I did not say I'm creating a data type that will answer everyone's needs, clearly that is simply not possible. The idea was to create something general enough that it would meet most people's needs, which seem to be transmitting numbers, nothing more.

>Just as in programming, I think implicit data types should be avoided... for the same reason....
>

Absolutely, which is why the only thing this approach specifies is the number base...which must be explicit (11 can be an number in anything from base2 to base infinity!). Nothing is implicit, this is just numbers. No units, no meanings other than what a recieving station chooses to attach. Once you say this is a temperature, now you have a whole bunch of attributes that need to be described (exact location, units, accuracy, precision, and so on). Sending just numbers avoids all this.

As to programming, that's why I like perl, there is no typing at all for variables, unless the programmer chooses to force it.

```
$x = 123;             # or $x = "123";  the results are identical
$y = substring($x,2); # use $x as a string
$z = $x + 1;          #  then use $x as an integer
print "y = $y   z = $z"
```

```
y = 23   z = 124
```

Meaning is determined by the recipient!

>But then again... I may misunderstand your approach.... I tried using different SSID's to identify different sensors.. but that's too limiting for wide sensor fields (lots of sensors).... and would never work when I use 11 ssid for magnetic... somebody else used 5 ssid for... whatever.... and I for one would love to see other magnetic field sensors (great for vehicle/train/aircraft detection)...
>

But even knowing a sensor is magnetic tells you litte. What is the distance from the detected object...obviously a signal of x is much more significant if the distance is 100 yeard than if it is 10 inches. What sort of object is it detecting? So you add another field to indicate it is a train, not car or aircraft . Still not enough, model or real train? Where do you stop? Who assigns and keeps track of all these codes?

Steve K4HG

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259. [aprssig] Re: FW: soundcard APRS?

From: "Mark Fellhauer" <sparkfel@qwest.net>
Date: Thu, 12 Dec 2002 01:35:58 -0600
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-110717-2002.12.12-02.22.20--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

At 10:42 PM 12/11/02, Ken Cechura wrote:

>What software would I need to do soundcard APRS? My buddy's TT2 took a
>hit, and he wants to use his laptop for a tracker temporarily for an
>event this weekend..

Just about any Windows-based version of APRS now works with AGWPE. But I've found getting it to work with laptops is a dodgy issue. It really depends on the audio solution of the laptop. Plus AGWPE doesn't seem to run well on processors of less than 200 MHz and a multimedia (MMX or 3Dnow) processor is required. I will say that it works OK on my Fujitsu Stylistic 1200, which has a 120 MHz MMX Pentium processor.

73,

Mark
KC7BXS

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260. [aprssig] Re: soundcard APRS? MixW is a great softmodem!

From: WA8LMF2@aol.com
Date: Thu, 12 Dec 2002 02:58:49 EST
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-110718-2002.12.12-02.44.10--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

In a message dated 12/11/2002 9:25:21 PM Pacific Standard Time, archer@eskimo.com writes:

> Windows: AGWPE + an APRS program that talks to it. APRS+ does for
> sure. Others probably do as well.
>
> Linux: Soundmodem + Xastir.

MixW (the multimode sound card program) can emulate a multi-mode TNC like a KAM or PK232. Set to the "1200 baud Standard VHF Packet" mode, it does an absolutely superb job as a TNC -- it outperfoms EVERY TNC hardware or software TNC that I have ever tested.
 On Win9X the interface is a bit kludgy since it's TNC emulation outputs to a serial port. In turn you need to connect that port to another serial port, with a null-modem (crossover) cable, where the end application (i.e. APRS program) is expecting a hardware TNC to be connected.
 On Win 2K and XP, an optional software component (the Mix "serial port bridge") creates two virtual serial ports connected to each other. You then tell Mix to use one of the imaginary ports, and the APRS program, BBS app, packetcluster pgm or other end app to use the other virtual port. No physical ports needed. Note that the Mix softmodem data stream interfaces with an APRS application via a normal serial port in KISS mode, not via a ICP/IP connection as the AGW Packet Engine does.

The program displays the received packets in it's own window as well as echoing them out the virtual TNC so you can monitor the raw packets BEFORE the APRS program gets at them. Very handy for debugging on APRS. This is somewhat similar to using the Web browser monitor function in AGW.

I have used both AGW and MixW in many different computers and have found that MixW is much more tolerant of diverse soundcard hardware than AGW. Several systems that AGW wouldn't work on at all (or were extremely fussy about input audio level settings) worked flawlessly with MixW.

I've been running the Mix softmodem, APRSplus and Street Atlas 9 on a Win2K Celeron system for months now without a single hiccup.

I've used it with UI-VIew and APRSpoint as well.

Currently I use it in the 300 baud 200-Hz shift packet mode on 30M HF APRS. In the HF mode, you can tune the packet tone frequencies on a waterfall display, with a click of the mouse, just as you do on PSK31. Since the tones are fully variable, you can emulate the 1600/1800 pairing of a KAM or TNC2 in HF mode, or the 2110/2310 tone pair of a PK232 in HF mode at will.

Info and downloads at:
http://mixw.net

Stephen H. Smith   wa8lmf @ aol.com
Home Page: http://wa8lmf.com
Ham Radio/Mobile SSTV page: http://members.aol.com/wa8lmf/ham
APRS Stuff
http://members.aol.com/wa8lmf/aprs

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---

261. [aprssig] Re: soundcard APRS? MixW is a great softmodem!

From: Harry Burford <ka0tty@arrl.net>
Date: Thu, 12 Dec 2002 10:44:48 -0600
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-110759-2002.12.12-11.30.04--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

The object is to share 2 serial ports. I've done this with the Internet Connection Share feature of Windows 98 Second Edition and Ethernet ports. It seems reasonable that the ICS could just as easily share serial ports and not need to do the hardware cable bridge you mention below.

Perhaps there are some 3rd party applications for Windows 95 and windows 98 (not SE) that could do the ICS in software too.

Harry, KA0TTY

On 12/12/02 1:58 AM, "WA8LMF2@aol.com" <WA8LMF2@aol.com> wrote:

> In a message dated 12/11/2002 9:25:21 PM Pacific Standard Time,
> archer@eskimo.com writes:
>
>> Windows: AGWPE + an APRS program that talks to it. APRS+ does for
>> sure. Others probably do as well.
>>
>> Linux: Soundmodem + Xastir.
>
> MixW (the multimode sound card program) can emulate a multi-mode TNC like a
> KAM or PK232. Set to the "1200 baud Standard VHF Packet" mode, it does an
> absolutely superb job as a TNC -- it outperfoms EVERY TNC hardware or
> software TNC that I have ever tested.
>   On Win9X the interface is a bit kludgy since it's TNC emulation outputs
> to a serial port. In turn you need to connect that port to another serial
> port, with a null-modem (crossover) cable,   where the end application (i.e.
> APRS program) is expecting a hardware TNC to be connected.
>   On Win 2K and XP, an optional software component (the Mix "serial port
> bridge") creates two virtual serial ports connected to each other. You then
> tell Mix to use one of the imaginary ports,   and the APRS program, BBS app,
> packetcluster pgm or other end app to use the other virtual port. No
> physical ports needed. Note that the Mix softmodem data stream interfaces
> with an APRS application via a normal serial port in KISS mode, not via a
> ICP/IP connection as the AGW Packet Engine does.
>

<<< snip >>>

```
>
> Stephen H. Smith                   wa8lmf @ aol.com


---
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```

262. [aprssig] Re: MixW info

From: WA8LMF2@aol.com
Date: Thu, 12 Dec 2002 13:30:48 EST
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-110778-2002.12.12-13.16.22--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

```
In a message dated 12/12/2002 7:23:37 AM Pacific Standard Time,
RB95403@aol.com  writes:

> Thank you for the excellent sound card packet info.  It is my understanding
> one
>  must make or purchase a PTT circuit.  Could you please direct me to a
> commercial product?  Thanks!
>

You do the same as with any ham soundcard application:

1) Use one of the serial port handshaking lines to drive a simple transistor
switch or opto-isolator.  Mix is extremely flexible in configuring the
handshaking lines of the serial port for PTT, CW keying (connect through a
transistor or opto-isolator to an /HF rig's CW key jack) and/or traditional
FSK keying for HF rigs with built-in RTTY FSK mode.

    or

2) Use a radio's VOX funtion to key whenever a tone is present

 or

3) Build or buy a vox-like tone detector as part of a external soundcard
interface that goes between the computer and the radio.  I have such a device
described on my website at:
    http://members.aol.com/wa8lmf/ham

Commercial soundcard interfaces such as the MFJ and Buxcomm Rascal (I don't
recommend the highly-overrated  Rigblaster because of it's lack of complete
isolation of the radio and computer) provide the serial-port handshake-line
keying.   The Rascal is available as a kit,  or assembed and wired for a
particular radio

The Tigertronics SignalLink provides the tone-keyed VOX-type function similar
to my homebrew, and is inexpensive ($50) .

Note that all these intefaces are basically just a pair of audio transformers
(one for souncard line-out-to-radio transmit-audio   and one for
receiver-audio-to-soundcard-line-in) plus some sort of ckt to do PTT.

Stephen H. Smith                   wa8lmf @ aol.com
Home Page:                                        http://wa8lmf.com
Ham Radio/Mobile SSTV page:     http://members.aol.com/wa8lmf/ham
APRS Stuff
http://members.aol.com/wa8lmf/aprs

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```

263. [aprssig] PCsat Special Store/Forward TEST

From: Bob Bruninga <bruninga@usna.edu>
Date: Thu, 12 Dec 2002 13:40:19 -0500 (EST)
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-110779-2002.12.12-13.25.32--lyris.aprssig#tapr.org@lists.tapr.org>

Rendered body type: text/plain

```
Operators of D7 or D700 outside of Europe and USA:

PCsat is still fully functional and so we can continue the "Priority"
store-and-forward test to let HT or Mobile users anywhere in the remotest
areas of the planet to report their position and status.

To do this, a wilderness traveler simply sets his TH-D7 or TMD-700 APRS
radio to select a "PRIORITY" or "SPECIAL" or "CUSTOM" flag in their
position/status packet.  Then set their beacon to once every 5  minutes on
the special travelers un-published PCsat uplink frequency.

Any special, priority, emergency, or custom position/status report will be
stored and repeated once every 3 minutes on the 144.39 downlink.  When
PCsat flies over the USA with dozens of IGates listening on 144.39, then
the network will capture it to the http://pcsat.aprs.org web page for all
to see.

If you live OUTSIDE of Europe or USA in a remote area of the world and
just happen to have an APRS HT (D7 or D700 mobile) and can participate in
this test, please let us know.

Thanks

de WB4APR@amsat.org, Bob

PCsat WEB  page     http://www.ew.usna.edu/~bruninga/pcsat.html
ISS-APRS FAQ:       http://www.ew.usna.edu/~bruninga/iss-faq.html
CUBESAT Designs     http://www.ew.usna.edu/~bruninga/cubesat.html
APRS LIVE pages     http://www.ew.usna.edu/~bruninga/aprs.html
APRS SATELLITES     http://www.ew.usna.edu/~bruninga/astars.html
MIM/Mic-E/Mic-Lite  http://ssdl.stanford.edu/mims/

Subject: Re: PCsat Special TEST

I checked today and PCsat is still in the ABEACON mode, meaning it will
beacon down on 144.39 once every 3 minutes a single copy of the
last three EMERGENCY, PRIORITY, SPECIAL or CUSTOM packets it receives from
a D7 or D700 kenwood APRS radio.  If you have such a radio, it would be
nice if you put it into APRS beacon mode and transmitted SPECIAL packet
once every 5 minutes for many days.  If we see it here in North America,
then the store-and-forward part of PCsat is working!

Bob

> > > If you have a spare Kenwood D7 or D700, we have a great opportunity to
> > > do a test.  I should have thought of this before. PCsat has a
> > > store-and-forward mechanism for wilderness travelers, even if there
> > > is no ground station in the footprint.



---
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```

---

264. [aprssig] 144.39

From: "James" <kb7tbt@qsl.net>
Date: Thu, 12 Dec 2002 11:13:47 -0700
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-110782-2002.12.12-13.34.51--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

```
We are planing a cross country trip in a week, as far as I am to understand
the 144.39 is used country wide.

My question is that if there is any exception to this rule?

We will start out from Phoenix AZ  and we will be going to Huntsville
Alabama then on to Bergenfield New Jersey. I-40 or I-10 to AL, depends on
weather.

KD7KYO-2 wife's car. We are planing to leave next Thursday afternoon, we
will be monitoring 146.52 and/or the local IRLP machine.


KB7TBT Home Page
http://www.qsl.net/kb7tbt
```

DM33

In the 60's people took acid to make the world weird. Now the world is weird and people take Prozac to make it normal.

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---

265. [aprssig] Re: 144.39

From: WA8LMF2@aol.com
Date: Thu, 12 Dec 2002 14:43:30 EST
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-110789-2002.12.12-14.28.41--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

In a message dated 12/12/2002 10:51:03 AM Pacific Standard Time, kb7tbt@qsl.net writes:

> We are planing a cross country trip in a week, as far as I am to understand
> the 144.39 is used country wide.
>
> My question is that if there is any exception to this rule?

The frequency is used country-wide but the optimum path isn't.

In the mountainous southwest (CA NV and AZ) WIDE2-2 only is used. Not sure about NM. East of the Rockies, the path will probably be RELAY, WIDE2-2 (or if the digis in the area don't respond to the callsign substituting WIDEn-N construct, RELAY, WIDE, WIDE) .

You will probably need to monitor local activity for the paths in use and adjust yours accordingly.

```
Stephen H. Smith                  wa8lmf @ aol.com
Home Page:                                        http://wa8lmf.com
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---

266. [aprssig] Re: 144.39

From: WA8LMF2@aol.com
Date: Thu, 12 Dec 2002 18:39:48 EST
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-110831-2002.12.12-18.25.20--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

In a message dated 12/12/2002 1:43:56 PM Pacific Standard Time, kb7tbt@qsl.net writes:

> currently we use RELAY, WIDE2-2 here in phoenix, so that's what the TNC is
> set for, as far as monitoring, that may not happen, all that is in the car
> is a GPS and the TNC. I am going to try to setup the palm pilot but it is a
> hunk of crap.

The path issue is driven, not by your TNC, but other TNCs that you expect to digipeat your transmission as you travel.

The WIDEn-N construct is an APRS-specific addition to the traditional packet path convention where each digipeater actually changes the path; ie. digi 1 hears WIDE3-3 and changes it to WIDE3-2 on retransmission, digi 2 hears digi 1 and changes it to WIDE3-1 on retransmission, etc until the call is "used up (WIDE3-0).

The WIDEn-N path can have a maximum starting value of 7. WIDE7-7 is strongly discouraged under normal conditions since a single transmission can triggger an expanding "chain reaction" of hundreds of retransmissions from an ever-widening circle of digipeaters in surrounding areas.

A digipeater's TNC has to be running APRS-specific firmware (or be connected to a computer running APRS software) for WIDEn-N to work. [Presently only recent versions of the KPC3+, KAM and TNC2 with specialized firmware do this solely in hardware.]

In some areas, old TNCs [PK232s, original TNC2, etc] not WIDEn-N aware, are doing APRS digi duty. These devices will only respond to plain old WIDE. In such an area, WIDEn-N paths won't do anything since the digi TNC won't see it as a "legal" alias.

Since WIDEn-N aware systems will also respond to plain old '"WIDE" (and most WIDEs outside the southwest also will respond to "RELAY"), the most universal path would be something like RELAY, WIDE, WIDE [equivalent of RELAY, WIDE2-2 on a "smart" digi] or RELAY, WIDE, WIDE, WIDE [equivalent of RELAY, WIDE3-3 on a "smart" digi] . The disadvantage of this is a longer packet on each transmission which ties up more channel capacity, and increases the chances of a collision with another packet.

Stephen H. Smith   wa8lmf @ aol.com
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267. [aprssig] The AAG weather station

From: "Mike Yetsko" <myetsko@insydesw.com>
Date: Thu, 12 Dec 2002 19:39:30 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-110834-2002.12.12-19.25.07--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Anyone else write code for the AAG weather station?

I'm trying to get stuff to work through the 'serial adapter' with the DS2480B in it, and I can talk to the adapter, but my bus scans come out all 'FF' values.

I'm stumped.

Mike

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268. [aprssig] APRS CE Build 1.0 Via 0.99

From: "Angelo Glorioso III" <n5uxt@cox.net>
Date: Thu, 12 Dec 2002 23:56:51 -0600
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-110866-2002.12.13-00.42.47--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Hi Folks,

I just downloaded the lastest version of APRS CE Build 1.0 and it worked for about a day or so and than stopped reading the GPS data. I hooked up my Palm IIIxe and tested the GPS and radio and it worked fine. I even hooked the laptop and it also worked fine..

I see the GPS sending the data but not in a format that the CE 1.0 understands. I force a position xmit and it shows all zero for the expection for the time.

It worked fine with the old version of aprs 0.99. Of course you cant go back now.

I am using the Alinco dr-135 and GPS-16. I was using the D7a init file and it work fine for months.

Any help would be appreciated.

I love my IPAQ and would love to register the CE version if I can get this to work again..

Angelo

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269. [aprssig] Re: Rat Shack 252 & KPC3+

From: "Ian Millett" <n3cva@erols.com>
Date: Fri, 13 Dec 2002 07:18:36 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: <kb7tbt@qsl.net>
Message-ID: <LYR842-110882-2002.12.13-07.05.11--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

James,

I am using the RS-252 with the KPC3+ (v8.3 firmware).

You will find a good working wiring diagram at K4ABT Buck Rogers' site:
http://www.packetradio.com/!TNCables/KNV2RS252.gif

This shows the RS-252 and external speaker to TNC wiring. You need R1 and C1 to make this work.

One "undocumented feature" I found with the RS-252 is on power up it defaults to the frequency in the VFO, not the last displayed memory. When you turn the radio off then on again, it is ready on the VFO. Operate your APRS package with the 252 rotary on/off control in the ON and set for close to MAX audio. I turn everything on from an external power switch and it remains on the last displayed frequency. Put the APRS (working) frequency in the VFO.

You will need the Microphone to make ANY programming changes so keep it close to the radio. Put your favourite packet and voice frequencies in memory so you don't have to reprogram on the road.

I hope this info helps you get on air soon.

Regards,
Ian, N3CVA-9

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270. [aprssig] RE: 144.390

From: Jonathan R Brockmeier <brockj@hope.edu>
Date: Fri, 13 Dec 2002 08:18:32 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-110890-2002.12.13-08.03.51--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

On this same line, if you are on a trip, what is the polite gps position report time?

KB8SWB

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271. [aprssig] RE: 144.390

From: "Pat Karp" <pkarp@conwaycorp.net>
Date: Fri, 13 Dec 2002 08:07:53 -0600
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-110895-2002.12.13-08.51.29--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

IMO I would say every 10 minutes. Figuring that you will travel 10-12 miles
in that time frame.   To me thats often enough to be heard be all digies
that will come acrossed. I'll Log KD7KYO-2 station as they travel and see
how well tracking is. If they travel on I40 I'll try to catch them as come
into 520 simplex range. If you where Flying then a faster beacon rate might
be a good idea with a short beacon path.
----- Original Message -----
From: "Jonathan R Brockmeier" <brockj@hope.edu>
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Sent: Friday, December 13, 2002 7:18 AM
Subject: [aprssig] RE: 144.390

> On this same line, if you are on a trip, what is the polite gps position
> report time?
>
> KB8SWB
>
>
> ---
> You are currently subscribed to aprssig as: pkarp@conwaycorp.net
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> Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org
>
>
>

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272. [aprssig] RE: 144.390

From: "James" <kb7tbt@qsl.net>
Date: Fri, 13 Dec 2002 07:18:09 -0700
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-110896-2002.12.13-09.06.37--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

That is an excellent question, I too was wondering about this myself.

Currently since we do 99% tooling around town I have:

```
BEACON EVERY 9 min
BKONDEL ON
BLT 1 EVERY 00:01:00
BLT 2 EVERY 00:05:00
BLT 3 EVERY 00:00:00
BLT 4 EVERY 00:00:00
BREAK OFF
BTEXT 146.52 or Local IRLP Node KB7TBT@QSL.NET
```

KB7TBT Home Page
http://www.qsl.net/kb7tbt
DM33

In the 60's people took acid to make the world weird. Now the world is
weird and people take Prozac to make it normal.

----- Original Message -----
From: "Jonathan R Brockmeier" <brockj@hope.edu>
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Sent: Friday, December 13, 2002 06:18
Subject: [aprssig] RE: 144.390

> On this same line, if you are on a trip, what is the polite gps position

> report time?
>
> KB8SWB
>
>
> ---
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> Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org
>
>

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273. [aprssig] RE: 144.390

From: "James" <kb7tbt@qsl.net>
Date: Fri, 13 Dec 2002 07:41:17 -0700
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-110897-2002.12.13-09.29.46--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Hi pat!

Thanks! that would be great for us, I was wondering if there was a way to log the entire trip in some way.

I would think 10 min is a long time span, for basic "look at me" tracking I guess it would be fine but if everything came crashing down, 10 to 12 miles is a great distance for someone to find you. In case of a packet collision or a LOS then you are talking 25 +/- miles. Maybe a 3 to 5 min time frame. I will wait for the consensus and take the average from that..:}

FYI: The weather for the Southwest is not looking good come Tuesday, Wednesday and Thursday, flagstaff and NM will be under snow so we may change to I-10 just to stay out of the mess. Of course the I-40 or I-10 route is subject to change, I wish I could stamp it in stone for you but it is winter and I wont know for sure until I start the car.

We will be on whatever local IRLP or 6.52 so feel free to give us a call, depending on who is driving I think it would be exciting for the wife to be contacted all over the country just to say hi.

KB7TBT Home Page
http://www.qsl.net/kb7tbt
DM33

In the 60's people took acid to make the world weird. Now the world is weird and people take Prozac to make it normal.

----- Original Message -----
From: "Pat Karp" <pkarp@conwaycorp.net>
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Sent: Friday, December 13, 2002 07:07
Subject: [aprssig] RE: 144.390

> IMO I would say every 10 minutes. Figuring that you will travel 10-12
miles
> in that time frame.   To me thats often enough to be heard be all digies
> that will come acrossed. I'll Log KD7KYO-2 station as they travel and see
> how well tracking is. If they travel on I40 I'll try to catch them as
come
> into 520 simplex range. If you where Flying then a faster beacon rate
might
> be a good idea with a short beacon path.
> ----- Original Message -----
> From: "Jonathan R Brockmeier" <brockj@hope.edu>
> To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
> Sent: Friday, December 13, 2002 7:18 AM
> Subject: [aprssig] RE: 144.390
>
>
> > On this same line, if you are on a trip, what is the polite gps position
> > report time?
> >

> > KB8SWB
> >
> >
> > ---
> > You are currently subscribed to aprssig as: pkarp@conwaycorp.net
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> ---
> You are currently subscribed to aprssig as: kb7tbt@qsl.net
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>
>

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Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

---

274. [aprssig] Re: Rat Shack 252 & KPC3+

From: "James" <kb7tbt@qsl.net>
Date: Fri, 13 Dec 2002 08:05:11 -0700
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-110899-2002.12.13-09.53.49--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Thank You! Thank You! Thank You!

I don't know how I missed this, I have gone all over that site and never found it.

I am aware of the VFO issue with the 252, it is a cheep radio and you get what you pay for. I do have it set to 4.39 in the VFO mode, I will not be using the radio for voice anytime soon but I did save the mic and I did buy a separate connector for the wiring so I could just pop the mic back on and do whatever is needed.

I am a big fan of direct freq. input radios, when I walk into HRO to get something new that is one of the main things I do look for. I do have 1 other radio that is NOT direct input and there is times it drives me nuts, the Alinco DR-605 is in the car so I have most of the local freq.'s programmed to make life simple.

Actually I have 2 radios that are not direct input, but the Icom IC-551 6M All Mode does not count...HI HI.

KB7TBT Home Page
http://www.qsl.net/kb7tbt
DM33

In the 60's people took acid to make the world weird. Now the world is weird and people take Prozac to make it normal.

----- Original Message -----
From: "Ian Millett" <n3cva@erols.com>
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: <kb7tbt@qsl.net>
Sent: Friday, December 13, 2002 05:18
Subject: Re: Rat Shack 252 & KPC3+

> James,
>
> I am using the RS-252 with the KPC3+ (v8.3 firmware).
>
> You will find a good working wiring diagram at K4ABT Buck Rogers' site:
> http://www.packetradio.com/!TNCables/KNV2RS252.gif
>
> This shows the RS-252 and external speaker to TNC wiring. You need R1 and
> C1 to make this work.
>

> One "undocumented feature" I found with the RS-252 is on power up it
> defaults to the frequency in the VFO, not the last displayed memory. When
> you turn the radio off then on again, it is ready on the VFO. Operate
your
> APRS package with the 252 rotary on/off control in the ON and set for
close
> to MAX audio. I turn everything on from an external power switch and it
> remains on the last displayed frequency. Put the APRS (working) frequency
> in the VFO.
>
> You will need the Microphone to make ANY programming changes so keep it
> close to the radio. Put your favourite packet and voice frequencies in
> memory so you don't have to reprogram on the road.
>
> I hope this info helps you get on air soon.
>
> Regards,
> Ian, N3CVA-9
>
>
>
>

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Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

275. [aprssig] TH-D7 step size and PCsat doppler shift

From: Michel Castejon <mcas@mac.com>
Date: Fri, 13 Dec 2002 11:33:51 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-110907-2002.12.13-11.19.01--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Hello Everyone,

My name is Michel Castejón. I'm KC8UFL.

I am new to the list and I trying to get into the HT to satellite APRS bandwagon.

Two questions:

1) PCsat operation with the Kenwood TH-D7A(g) HT, doppler and minimum step size.

The minimum step size I can set for my TH-D7A is 5.00 Khz. How do I account for doppler shift and what frequency should I use?

145.825 Mhz or 145.830 Mhz. When I got up this morning to try to catch a 22 degree elevation pass of the PCsat my satellite tracking software said tune into 145.827 Mhz ... Well ... I couldn't.

2) Antenna ....

I am using a Pryme RD-98 antenna for my HT. If my intention would be to test PCsat with the HT should I look into getting a better/different antenna.

I am going to try and see if I can get to PCsat from Caracas, Venezuela later this month.

CCS CARACAS, VENEZUELA   10 30 N 66 56 W

Thanks a lot and 73s,

Michel C. (KC8UFL)

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276. [aprssig] Magellan GPS

From: "Stanley T. Yamato" <yamato@trianglenet.net>
Date: Fri, 13 Dec 2002 10:38:48 -0600
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-110908-2002.12.13-11.24.17--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Hi,

I know that most APRS users seem to be using Garmin GPS's but I got this fantastic deal with this Magellan MAP330 GPS. I use it for Geocaching.

I would like to use this GPS with my Tiny Trak II and was wondering if anyone can tell me what NMEA selection should I use. The selection that the GPS offers are V1.5 APA, V1.5 XTE or V2.1 GSA. Also what would the Baud Rate setting? 1200, 4800, 9600 or 19200?

Thanks for any info.

--Stan Y.
KH6HHG

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277. [aprssig] RE: 144.390

From: John Kraus <jfkraus2@cox.net>
Date: Fri, 13 Dec 2002 12:04:55 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: aprssig@tapr.org
Message-ID: <LYR842-110910-2002.12.13-11.50.08--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Jonathan,

I have been using a tracker for several years. The goal on a road trip should be to get one successful packet into the APRS IS whenever you are near a digi. This requires a high packet rate. Just remember to turn off or reduce the rate when you stop. Or use a Tiny Track.

I recommend a rate of no less than every 3 minutes if the rate is static; every 60 seconds is workable if and only if you can turn the tracker off or reduce the rate when you make stops. I define a stop as any time I am not going to be moving again for one hour or longer.

If you are using a Tiny Track like I am I recommend setting the fast rate at 60 seconds when over 60 MPH. The advantage to a fast rate on the road is that you are through a town and gone before you send more than 3-6 packets this is hardly enough to cause a problem yet this greatly increases your rate of success. If you send only one packet when you are near a town the chance of success is minimal. The average traveller is through a town in less than 10- 30 minutes depending on the size and traffic. If you send dozens of packets out in the boonies who cares no one hears them.

I highly recommend the Tiny Track. I also recommend that you investigate Smart Beaconing. It is an option in APRS+ and PALM APRS. I don't know about the other programs. Smart Beaconing allows a packet rate adjustment to occur automatically as speed varies the rate declines as speed drops. It also triggers a packet when you change direction. I have two settings in mine for the slow rate. One beacons every 30 minutes at any speed less than 10 mph I use this for weather spotting. The other setting beacons once every 18 hours at speeds below 30 mph I get some beacons around town and lots more when on the Interstate.

The key as I see it is to try to be polite; beacon as much as needed when needed and very little at other times. The one thing that gets APRS'er dander up is the guy who stops at a motel and sends a beacon every 30 seconds all night.

On the subject of paths I normally use these two:

APRS VIA RELAY,WIDE,WIDE
APRS VIA WIDE,WIDE2-2

I sometimes substitute TRACE for WIDE so that I can see the path data.

I often run ALogger at home and capture the data from the internet and then play it back in APRS+. Great way to find the holes in the coverage along a major Interstate. Turn off the time logging in ALogger to make the files easy to handle.

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278. [aprssig] RE: 144.390

From: "Curt Mills, WE7U" <hacker@tc.fluke.com>
Date: Fri, 13 Dec 2002 09:29:15 -0800 (PST)
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: TAPR APRS Special Interest Group <aprssig@lists.tapr.org>,
<aprssig@tapr.org>
Message-ID: <LYR842-110912-2002.12.13-12.14.44--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

On Fri, 13 Dec 2002, John Kraus wrote:

> I highly recommend the Tiny Track. I also recommend that you investigate
> Smart Beaconing. It is an option in APRS+ and PALM APRS. I don't know
> about the other programs.

Xastir has Smart Beaconing as well.

I also highly recommend the TinyTrak-II, but I made a few mods to mine to make it stand up to more abuse.

Smart Beaconing _really_ improves your track without cluttering up the airwaves with too many packets. It reports changes in your course. If your course isn't changing much, it beacons at a timed rate based on your speed.

--
Curt Mills, WE7U   hacker_NO_SPAM_@tc.fluke.com
Senior Methods Engineer/SysAdmin
"Lotto: A tax on people who are bad at math!"
"Windows: Microsoft's tax on computer illiterates!" -- WE7U
"The world DOES revolve around me: I picked the coordinate system!"

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279. [aprssig] RE: 144.390

From: "Pat Karp" <pkarp@conwaycorp.net>
Date: Fri, 13 Dec 2002 13:09:03 -0600
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: <aprssig@tapr.org>
Message-ID: <LYR842-110919-2002.12.13-13.52.36--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

----- Original Message -----
From: "John Kraus" <jfkraus2@cox.net>
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: <aprssig@tapr.org>
Sent: Friday, December 13, 2002 11:04 AM
Subject: [aprssig] RE: 144.390

> Jonathan,
>
> I have been using a tracker for several years. The goal on a road trip
> should be to get one successful packet into the APRS IS whenever you are
> near a digi.

This is true but how many times do you need to get into the same digi?

>This requires a high packet rate. Just remember to turn off
> or reduce the rate when you stop. Or use a Tiny Track.

The thought I have here is that the more you transmit the more unstable the
local

network will become. If you can send 3 packets within range of a digi your success
is likely.

> I recommend a rate of no less than every 3 minutes if the rate is static;

This is reasonable. however you might consider the length of the trip. If your
simply going across a state (400 miles or so) Three minutes might still be excessive
Just in the local network here in Arkansas about 75% of the Interstate is covered by
digi reception with 10 watts or more. I realize that a few of our digies have great
reception. But still you can count on a weak digi having a range of 15 to 20 miles
or so. The better digies will go 50 mile or so. In the end you will have about a
40 minute time frame to hit a digi when going through a town. If you are traveling in
a remote area then you might need to increase packet rates. However if the area only
offers a slight chance of hearing you, then by getting in really does on show how reliable
that area is.

> If you are using a Tiny Track like I am I recommend setting the fast rate
> at 60 seconds when over 60 MPH. The advantage to a fast rate on the road
> is that you are through a town and gone before you send more than 3-6
> packets this is hardly enough to cause a problem yet this greatly increases
> your rate of success. If you send only one packet when you are near a town
> the chance of success is minimal. The average traveller is through a town
> in less than 10- 30 minutes depending on the size and traffic. If you send
> dozens of packets out in the boonies who cares no one hears them.

I believe the dig range is what you need to be thinking about not the size of the town.

>
> I highly recommend the Tiny Track. I also recommend that you investigate
> Smart Beaconing. It is an option in APRS+ and PALM APRS. I don't know
> about the other programs.

UI-view has a feature that allows you to beacon every N minutes or every N miles.

>
> The key as I see it is to try to be polite; beacon as much as needed when
> needed and very little at other times. The one thing that gets APRS'er
> dander up is the guy who stops at a motel and sends a beacon every 30
> seconds all night.
>

Hmmm you might consider the local network load too. Politeness might also be
looked at as which packet is more important. The guy who is trying to make a contact
to a station through a digi or the one who is passing threw town. One problem with
setting a tracker up with a fast packet rate is that you can't monitor the frequency to
see what's going on. What if you drive into an area where someone in trouble is trying to
get help. You might become harmful interference. Most programs are set so that they
send the same packet in one minute spacing until they get an ack. That should also be
considered. You might think about spacing your packets so that they will not resend on
a 60 sec interval for 3 minutes or so, this will help other stations to have a chance to get
into the network.

I use a THd700 in my truck and Pocket PC at least any other time I have a APRS station
up. This allows me to monitor what going on. Thats not to say I only have an APRS station

running while I'm looking at it. But I feel I should alway have away to see
whats going on with it.
73
Pat

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280. [aprssig] Re: Magellan GPS

From: bob evinger <wd9eka@evinger.com>
Date: Fri, 13 Dec 2002 13:31:03 -0600 (CST)
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: TAPR APRS Special Interest Group <aprssig@lists.tapr.org>
Message-ID: <LYR842-110921-2002.12.13-14.17.32--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Not sure about the 330, but I have a 310 and it outputs at 4800 baud.
Don't remember with the 310 but dont think I had any options. I was able
to get it to work with both my mfj1270c and an old tinytrak(I think that
is what it is anyway). Took a little fiddling with the tnc settings but
was doable.

bob

On Fri, 13 Dec 2002, Stanley T. Yamato wrote:

> Hi,
>
> I know that most APRS users seem to be using Garmin GPS's but I got this
> fantastic deal with this Magellan MAP330 GPS. I use it for Geocaching.
>
> I would like to use this GPS with my Tiny Trak II and was wondering if
> anyone can tell me what NMEA selection should I use. The selection that
> the GPS offers are V1.5 APA, V1.5 XTE or V2.1 GSA. Also what would the
> Baud Rate setting? 1200, 4800, 9600 or 19200?
>
> Thanks for any info.
>
> --Stan Y.
>   KH6HHG
>
>
> ---
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>
>

--
Bob Evinger   WD9EKA/AAR5MG(Army MARS operator)
If Guns Cause Crime, Then Matches Cause Arson.

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---

281. [aprssig] RE: 144.390

From: "Mark Fellhauer" <sparkfel@qwest.net>
Date: Fri, 13 Dec 2002 14:18:19 -0600
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: aprssig@tapr.org
Message-ID: <LYR842-110927-2002.12.13-15.03.38--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

At 01:09 PM 12/13/02, Pat Karp wrote:

>This is true but how many times do you need to get into the same digi?

Gee, I thought the whole purpose of a mobile tracker was to show that a
station is moving, in what direction, and current location. One packet
isn't going to do that.

>The thought I have here is that the more you transmit the more unstable the
>local
>network will become.

Balderdash...

>I believe the dig range is what you need to be thinking about not the size
>of the town.

I guess you've never been to Phoenix or San Diego...

> >
> > The key as I see it is to try to be polite; beacon as much as needed when
> > needed and very little at other times. The one thing that gets APRS'er
> > dander up is the guy who stops at a motel and sends a beacon every 30
> > seconds all night.
> >

That's what the on/off button is for on a transceiver.

>Hmmm you might consider the local network load too. Politeness might also
>be
>looked at as which packet is more important. The guy who is trying to make
>a contact
>to a station through a digi or the one who is passing threw town. One
>problem with
>setting a tracker up with a fast packet rate is that you can't monitor the
>frequency to
>see what's going on. What if you drive into an area where someone in
>trouble is trying to
>get help. You might become harmful interference.

Balderdash again and a specious argument. A visiting out of town mobile
ham should always take precedence over a local resource.   The locals
already know where "Jim's" fixed QTH is.   We also know "Jim's" route that
he drives to work everyday already...

Although a "local" may be in an emergency situation, he should have other
resources he's aware of that aren't APRS based. Voice repeaters,
autopatches, cell phones, payphones and the like.

As a digi owner/operator I encourage everyone in the Sioux Falls area to
beacon as often as they please, especially out of towners passing
through. It's nice to see you!   If you feel like beaconing at 30 second
intervals more power to ya.   Crank up the RF as the tower's still too low. ;)

73,

Mark
KC7BXS

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282. [aprssig] RE: 144.390

From: Phil Reed <preed@dnaco.net>
Date: Fri, 13 Dec 2002 15:49:08 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-110932-2002.12.13-15.36.39--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

At 02:09 PM 12/13/2002, Pat Karp wrote:

>This is true but how many times do you need to get into the same digi?

Depends on the application requirements. A blanket statement of "once" is probably wrong, depending on circumstances.

>The thought I have here is that the more you transmit the more unstable the
>local network will become.

This is unlikely to be true - networks are designed to be used. If your local network is so fragile that one additional tracker transmitting once per minute causes it to fall down, it's probably time to work on your network.

>But still you can count on a weak digi having a range of 15 to
>20 miles or so. The better digies will go 50 mile or so.

I really question these range estimates. Data transmissions have far more demanding S/N requirements than a voice repeater. Your voice system might not even notice a momentary 10dB fade, while the same fade will completely destroy a data packet.

Trackers range in power from 5 to 50 watts, and I'll pretty much guarantee your "50 mile" digi isn't picking up a tracker built around a TinyTrak and an HT with a 1/4 wave magmount antenna at that range. Not everybody has a D700 in the car.

>Hmmm you might consider the local network load too. Politeness might also be
>looked at as which packet is more important. The guy who is trying to make
>a contact to a station through a digi or the one who is passing threw town.

The guy passing through town will be out of range in a few minutes, while the guy trying to make a local data contact can easily retry.

Also, I'm curious how you can tell that one particular packet is more important than another.

>One problem with
>setting a tracker up with a fast packet rate is that you can't monitor the
>frequency to see what's going on. What if you drive into an area where
>someone in
>trouble is trying to get help. You might become harmful interference.

If we carry this to it's logical conclusion, then you should NEVER transmit, because you might step on somebody who is in trouble and chose that exact instant to transmit as well.

Besides, you're only "harmful" interference if you interfere deliberately. Otherwise it's incidental interference, which the network will deal with correctly (and we as hams have to accept).

And, most trackers monitor the frequency just fine on their own. Do you actually LISTEN to the frequency and then give your tracker the command to transmit? Or do you let the trackers and digis handle transmit timing on their own?

Better to worry more about the number of "WIDE" the tracker is using. "WIDE5-5" is going to have way more impact on the regional network than "WIDE2-2", regardless of the power of the tracker.

...phil / w8sca

"For a list of all the ways technology has failed
to improve the quality of life, press 3."

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---

283. [aprssig] RE: 144.390

From: "AE5PL Lists" <HamLists@ametx.com>
Date: Fri, 13 Dec 2002 14:59:34 -0600
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-110933-2002.12.13-15.44.51--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

> -----Original Message-----
> From: Mark Fellhauer [mailto:sparkfel@qwest.net]
> Posted At: Friday, December 13, 2002 2:20 PM
> Subject: [aprssig] RE: 144.390
>
> Gee, I thought the whole purpose of a mobile tracker was to
> show that a
> station is moving, in what direction, and current location.
> One packet
> isn't going to do that.

A single Mic-E packet or position packet shows all of this for a moving vehicle.

> >The thought I have here is that the more you transmit the
> more unstable
> >the local network will become.
>
> Balderdash...

I take it, Mark, that 144.39 in Sioux Falls is not running anywhere near capacity. It is in the DFW area (100+ stations on at any one time). The original author's statement is correct and shows an obvious concern for operations in highly congested areas.

> Balderdash again and a specious argument. A visiting out of
> town mobile
> ham should always take precedence over a local resource.   The locals
> already know where "Jim's" fixed QTH is.   We also know
> "Jim's" route that
> he drives to work everyday already...

Didn't realize that visitors "always" take precedence over resident operators. Guess I missed that in the ARRL Operating Guide, the FCC regulations, etc.

> Although a "local" may be in an emergency situation, he
> should have other
> resources he's aware of that aren't APRS based. Voice repeaters,
> autopatches, cell phones, payphones and the like.

So, doesn't the visitor also have other resources available to them?

APRS, as Bob has said many times, is a tactical protocol. Everyone has equal precedence and the protocol is designed for local transmission (UI protocols quickly run out of gas with multiple digi'ing). I agree that visitors should be encouraged to use local amateur radio resources, including APRS. However, that doesn't make a visitor any more or less important than the local operators.

> As a digi owner/operator I encourage everyone in the Sioux
> Falls area to
> beacon as often as they please, especially out of towners passing
> through. It's nice to see you!   If you feel like beaconing
> at 30 second
> intervals more power to ya.   Crank up the RF as the tower's
> still too low. ;)

But don't do that down here in the DFW area where our APRS frequency is already running above reliable performance. I was glad to see so many others on this SIG stress operations that are considerate of other operators in the area. We might all take a note that courteous operation is something that we all can respect and enjoy.

73,

Pete Loveall AE5PL
pete@ae5pl.net

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284. [aprssig] RE: 144.390

From: "Wes Johnston" <wes@johnston.net>
Date: Fri, 13 Dec 2002 17:02:28 -0500

To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: <aprssig@tapr.org>
Message-ID: <LYR842-110935-2002.12.13-16.48.06--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Agreed! and Mark's right about the traveller being more interesting than the local guy's qth or route to work. Not only is the traveller something new to look at, but he can also benefit from voice directions on a local repeater if he's lost and I can use aprs to guide him to his destination. Plus, you gotta consider mobile stations have flutter and multipath. When moving, the likelyhood that you'll actually get into a digi is just too slim to TX every 10 minutes. As an example, when I lived in savannah, we had a digi that was on a local hospital which was located about 8 miles from i-95. All the folks up and down i-95 on their way to florida didn't stand a chance getting to our digi with a 10 minute rate b/c at best they could get within 8 miles of it and it wasn't that high anyway. We were lucky to cover 20 miles of i-95 with it, and that gave them 2 chances to hit a digi. Not too good.

Off hand, I'd say a TX interval of 60 seconds to 3 minutes is a good general range. Also, on my wife's car, I used to have her TX every 20 seconds with no path at all (simplex range). Since I'm the only APRS'er in this town, it's not bothering anyone.

Wes

----- Original Message -----
From: "Mark Fellhauer" <sparkfel@qwest.net>
> >This is true but how many times do you need to get into the same digi?
>
> Gee, I thought the whole purpose of a mobile tracker was to show that a
> station is moving, in what direction, and current location. One packet
> isn't going to do that.

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285. [aprssig] RE: 144.390

From: "Mark Fellhauer" <sparkfel@qwest.net>
Date: Fri, 13 Dec 2002 16:17:37 -0600
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-110937-2002.12.13-17.03.28--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

At 02:59 PM 12/13/02, AE5PL Lists wrote:

>A single Mic-E packet or position packet shows all of this for a moving
>vehicle.

I beg to differ. One packet does not take into account traffic conditions, chosen route, or many other variables. I can see someone heading north from say Beresford, SD- but when they get to Sioux Falls proper, they could continue north to Fargo, turn east to Minneapolis, or head west to Rapid City. One packet and we'll never know. If they beacon at a 10 minute rate and miss one packet because of ground clutter they could very well pass through and never be heard again...

> > >The thought I have here is that the more you transmit the
> > more unstable
> > >the local network will become.
> >
> > Balderdash...
>
>I take it, Mark, that 144.39 in Sioux Falls is not running anywhere near
>capacity. It is in the DFW area (100+ stations on at any one time).
>The original author's statement is correct and shows an obvious concern
>for operations in highly congested areas.

So? Is that the concern of someone from Phoenix driving through? No. Packet collisions are a part of the equation. It's not like the guy is dialing a 911 operator every minute to every local PD as he crosses the nation...it's APRS. Stop trying to make it more important than it is.

> > Balderdash again and a specious argument. A visiting out of

> > town mobile
> > ham should always take precedence over a local resource.   The locals
> > already know where "Jim's" fixed QTH is.   We also know
> > "Jim's" route that
> > he drives to work everyday already...
>
>Didn't realize that visitors "always" take precedence over resident
>operators. Guess I missed that in the ARRL Operating Guide, the FCC
>regulations, etc.

Another ham here pointed out that he's amazed at how little many hams here realize what is considered polite in society.   I have never lived in Arkansas or Texas, but in the 4 states I've lived in, guests are always served first, and they're expected to take the biggest/best cut of meat and the best potato (or the biggest hunk of lutefisk and the extra lefse).   Also it is considered rude to hand a visiting guest a hammer and a bag of nails and ask him to re-shingle your roof.   By the same token, hams driving through an area where they going to use "your" resources for a matter of minutes or hours should always be given the courtesy of having digi time.   You can probably put that keyboard to keyboard QSO off or do it on a different frequency, but that guy is gonna be in your area at one point in time and space.   And as has been pointed out - don't blame the one time user for your network woes.   The whole purpose of having one frequency nationwide was for travellers.

Furthermore, if a person is travelling they may not have the equipment or ability to rapidly adapt to local circumstances. I would much rather someone not familiar with the local freeway to keep his hands on the wheel and his eyes forward, than to try and change his beacon rate with a laptop while travelling at 70 MPH in the name of courtesy.

> > Although a "local" may be in an emergency situation, he
> > should have other
> > resources he's aware of that aren't APRS based. Voice repeaters,
> > autopatches, cell phones, payphones and the like.
>
>So, doesn't the visitor also have other resources available to them?

Nope.   Don't be silly. These are people from out of town.   I know what gas stations are open late around here and which ones have awful gas. I know the travel information phone numbers, and I know where the hospitals are.   How would somebody from Phoenix or LA know that?   They may be able to find the hospital on a map, but do they know that 22nd street is closed because they're putting in a water main? Do they know 54th Street North from North 54th Street.   And you'd think Gateway would be on Gateway Boulevard, but it's across town...

Or how could they know that a listed repeater with autopatch is offline temporarily because they're replacing the water tower it was located on or that it has changed frequency?   And even if they did know the local autopatch code and routine, who could they call locally at 2 AM? I also know where cellphones work and where they don't.   I know where the Walmart is and the best places to eat.   We have enough people from Iowa crashing into things around here when they get into "the big city."

> > As a digi owner/operator I encourage everyone in the Sioux
> > Falls area to
> > beacon as often as they please, especially out of towners passing
> > through. It's nice to see you!   If you feel like beaconing
> > at 30 second
> > intervals more power to ya.   Crank up the RF as the tower's
> > still too low. ;)
>
>But don't do that down here in the DFW area where our APRS frequency is
>already running above reliable performance. I was glad to see so many
>others on this SIG stress operations that are considerate of other
>operators in the area. We might all take a note that courteous
>operation is something that we all can respect and enjoy.

Again, is that the fault of a guy who passes through, once a week, once a month, once in a lifetime? No. The whole purpose of having one frequency is for people travelling from city to city.   I haven't operated APRS in a vacuum.   I started out in Phoenix, and have run APRS in Minneapolis and SoCal. The problems there aren't caused by the tourist, but by the locals who drive the same route to work everyday and beacon at insane rates, the guys who each have to have a weather station even though they're 4 blocks apart, and in Minneapolis the fact that everyone with a home station has digipeat enabled...

I still hold that the guy driving from Perth Amboy to Pismo Beach should set his beacon rate at 1 to 3 minutes and crank the RF up to 30 or 50 watts and let the locals worry about the details.   Enjoy the ride. Ham radio is a hobby.

Mark
KC7BXS

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286. [aprssig] RE: 144.390

From: tvsjr <tvsjr@sprynet.com>
Date: Fri, 13 Dec 2002 16:40:01 -0600
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-110939-2002.12.13-17.22.44--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Ouch... 10 minutes? That's more like 16-17 miles to me. Especially when I'm making midnight runs (like Dallas-Austin), I'll run a 60 sec beacon rate with a WIDE5-5 path from a D700 using a ~5dbi gain antenna. Considering most of the packets transmitted at night are fixed stations broadcasting weather data (the digis that ID every 3 minutes or so and don't broadcast any weather data are another topic for discussion one of these days), it doesn't bother anyone, and it's nice to be able to make it in to both cities via RF.

Terry

At 08:07 AM 12/13/2002 -0600, Pat Karp wrote:
>IMO I would say every 10 minutes. Figuring that you will travel 10-12 miles
>in that time frame.   To me thats often enough to be heard be all digies
>that will come acrossed. I'll Log KD7KYO-2 station as they travel and see
>how well tracking is. If they travel on I40 I'll try to catch them as come
>into 520 simplex range. If you where Flying then a faster beacon rate might
>be a good idea with a short beacon path.
>----- Original Message -----
>From: "Jonathan R Brockmeier" <brockj@hope.edu>
>To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
>Sent: Friday, December 13, 2002 7:18 AM
>Subject: [aprssig] RE: 144.390
>
>
>> On this same line, if you are on a trip, what is the polite gps position
>> report time?
>>
>> KB8SWB
>>
>>
>> ---
>> You are currently subscribed to aprssig as: pkarp@conwaycorp.net
>> To unsubscribe send a blank email to leave-aprssig-842K@lists.tapr.org
>> Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org
>>
>>
>>
>
>
>
>---
>You are currently subscribed to aprssig as: tvsjr@sprynet.com
>To unsubscribe send a blank email to leave-aprssig-842K@lists.tapr.org
>Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

---
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287. [aprssig] RE: 144.390

From: "Richard Amirault" <ramirault@erols.com>
Date: Fri, 13 Dec 2002 17:44:25 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-110940-2002.12.13-17.29.47--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

----- Original Messages -----
From: "Mark Fellhauer" <sparkfel@qwest.net>
Subject: [aprssig] RE: 144.390

> Gee, I thought the whole purpose of a mobile tracker was to show that a
> station is moving, in what direction, and current location. One packet
> isn't going to do that.
>
> >A single Mic-E packet or position packet shows all of this for a moving
> >vehicle.
>
> I beg to differ. One packet does not take into account traffic
conditions,
> chosen route, or many other variables.   I can see someone heading north
> from say Beresford, SD- but when they get to Sioux Falls proper, they
could
> continue north to Fargo, turn east to Minneapolis, or head west to Rapid
> City.   One packet and we'll never know. If they beacon at a 10 minute
> rate and miss one packet because of ground clutter they could very well
> pass through and never be heard again...

But that's not what you said, you only said "...moving, in what direction,
and current location." A single (properly formatted) packet will do just
that. Plus it helps if you have DR turned on!

Richard Amirault   N1JDU   Boston,
MA, USA
www.erols.com/ramirault   "Go Fly A Kite"

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---

288. [aprssig] RE: 144.390

From: "AE5PL Lists" <HamLists@ametx.com>
Date: Fri, 13 Dec 2002 16:55:32 -0600
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-110941-2002.12.13-17.40.44--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

> -----Original Message-----
> From: Mark Fellhauer [mailto:sparkfel@qwest.net]
> Posted At: Friday, December 13, 2002 4:20 PM
> Subject: [aprssig] RE: 144.390
>
> >A single Mic-E packet or position packet shows all of this for a
moving
> >vehicle.
>
> I beg to differ. One packet does not take into account traffic
conditions,
> chosen route, or many other variables.   I can see someone

Neither did your original statement. Your original statement was "the
whole purpose of a mobile tracker was to show that a
station is moving, in what direction, and current location. One packet
isn't going to do that." My statement regarding Mic-E's and position
packets is accurate.

> So? Is that the concern of someone from Phoenix driving
> through? No. Packet collisions are a part of the equation.

Why shouldn't it be a concern of someone passing through. I try to be
courteous wherever I am.

> It's not like the guy is dialing a 911 operator every minute to every
local PD as he
> crosses the nation...it's APRS. Stop trying to make it more

I'm not. I am saying that courteous operation and consideration for
local conditions should be part of any operators equation.

> Another ham here pointed out that he's amazed at how little
> many hams here
> realize what is considered polite in society.   I have never lived in

Your dissertation is nice, but it has no bearing on the conversation
(hence snipped).

> hams driving through an area where they going to use "your" resources
for a
> matter of minutes or hours should always be given the courtesy of
having
> digi time.   You can probably put that keyboard to keyboard

Never said they shouldn't. Just that they, as "guests", also should be
courteous in their use of such resources.

> QSO off or do it on a different frequency, but that guy is gonna be in
your
> area at one point in time and space.   And as has been pointed out -
> don't blame the one time user for your network woes.   The whole
purpose of

Wasn't blaming anyone. But, the single traveler becomes many travelers
(in our area) and they aren't operating in a vacuum. Again, courtesy is
something that all operators, local and visiting, can show.

> Furthermore, if a person is travelling they may not have the equipment
or
> ability to rapidly adapt to local circumstances. I would much rather
> someone not familiar with the local freeway to keep his hands
> on the wheel and his eyes forward, than to try and change his beacon
rate
> with a laptop while travelling at 70 MPH in the name of courtesy.

I agree. That is why, as was the reason for this thread starting in the
first place, operators should think ahead and attempt to be a "good
operator" wherever they are.

> >So, doesn't the visitor also have other resources available to them?
>
> Nope.   Don't be silly. These are people from out of town.

I always carry a repeater directory. I also seldom have QSO's on
repeaters in distant towns because my call is seldom responded to. But
it does not mean that I don't have access to those resources. APRS is
just one more. No more or less important than the others.

Again, nice dissertation with nothing to do with the thread (snipped).
This thread is about settings to use while traveling across country.

> > > through. It's nice to see you!   If you feel like beaconing
> > > at 30 second
> > > intervals more power to ya.   Crank up the RF as the tower's
> > > still too low. ;)
> >
> >But don't do that down here in the DFW area where our APRS frequency
is
> >already running above reliable performance. I was glad to see so
many
> >others on this SIG stress operations that are considerate of other
> >operators in the area. We might all take a note that courteous
> >operation is something that we all can respect and enjoy.
>
> Again, is that the fault of a guy who passes through, once a week,
once a
> month, once in a lifetime? No. The whole purpose of having

No fault was ever implied. But, while that person is in the DFW area (2
hours minimum to traverse and move out of direct digi range), the person
beaconing every 30 seconds from a mobile is effectively disrupting the
frequency for the other 100+ users in the area.

> I still hold that the guy driving from Perth Amboy to Pismo Beach
should
> set his beacon rate at 1 to 3 minutes and crank the RF up to 30 or 50
watts
> and let the locals worry about the details.   Enjoy the ride. Ham
radio
> is a hobby.

And I enjoy it. 1 to 3 minutes is a big difference from your previous statement of 30 seconds.

BTW, I set my mobile beacon rate to every 3 minutes. While in the DFW area, my path is RELAY,WIDE1-1 (to possibly help some TNC's keep from ping-ponging). My path while traveling (except in the SoCal area) is RELAY,WIDE2-2. My path when flying cross-country is WIDE2-2 except over Iowa where it is WIDE,WIDE due to the statements that most of their digis do not support WIDEn-n. Also, while flying, my beacon rate is 5 minutes (averaging 16 miles between beacons).

Don't take my comments personally, Mark. They weren't meant that way. However, your statements could have been construed as "all gloves are off" when you travel. The net of my statements is "courtesy is appreciated everywhere, regardless of whether you are a visitor or not."

73,

Pete Loveall AE5PL
pete@ae5pl.net

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---

289. [aprssig] RE: 144.390

From: "Mark Fellhauer" <sparkfel@qwest.net>
Date: Fri, 13 Dec 2002 17:01:10 -0600
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-110942-2002.12.13-17.46.34--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

At 04:44 PM 12/13/02, Richard Amirault wrote:

>But that's not what you said, you only said "...moving, in what direction,
>and current location." A single (properly formatted) packet will do just
>that. Plus it helps if you have DR turned on!

Well, you can nitpick all you want. "Properly formatted" is a matter of equpment and choices - not every APRS enabled piece of equipment can do that. I have my KPC3+ set to only send raw GGA. Dead Reconing is only good for boats and aircraft. I think that it's been shown that DR is detrimental in urban environments. Again, go back to my Sioux Falls example. If someone is heading north to SXFL on I-29 and they turn east or west and that packet is not picked up, DR will put them heading to Fargo or Canada. That will not be corrected until the station reaches say Minneapolis or Rochester, MN to the east; or Billings, MT or Casper, WY to the west. That's a huge error.

Mark
KC7BXS

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---

290. [aprssig] RE: 144.390

From: "Mark Fellhauer" <sparkfel@qwest.net>
Date: Fri, 13 Dec 2002 17:22:04 -0600
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-110945-2002.12.13-18.07.19--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

At 04:55 PM 12/13/02, AE5PL Lists wrote:

>Don't take my comments personally, Mark. They weren't meant that way.
>However, your statements could have been construed as "all gloves are
>off" when you travel. The net of my statements is "courtesy is
>appreciated everywhere, regardless of whether you are a visitor or not."

You know, you're arguing both sides of the fence. Pick a side. I maintain that an out-of-town travelling station should beacon between 1 and 3 minutes and at 30 to 50 watts if he's got it. Obviously turn off the

tracker or reduce the beacon rate when your parked for any length of
time.   I don't care what common operating practice is for a locality or
their "network load."   Set and Forget.   I can guarantee that even in a
large city if you beacon at one minute intervals with no packet traffic
that only a fraction of your packets will be digipeated.   Why should I
care that some guy in Dallas gets his blood pressure up because he saw 15
digipeats of my mobile in a 60 minute period?   I'm passing through...

Mark
KC7BXS

---
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291. [aprssig] Direct TV DSL SK

From: dale huguley <kg5qd@earthlink.net>
Date: 13 Dec 2002 18:34:29 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-110946-2002.12.13-18.19.21--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Hi All-
Telocity became Direct TV DSL.
Direct TV Dsl is ceasing operations in 30 days or so.
I believe this is the service provider for the main Findu server.
Yikes!

73 de kg5qd Dale

---
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292. [aprssig] Re: Direct TV DSL SK

From: "Spider" <spider@rivcom.net>
Date: Fri, 13 Dec 2002 16:48:03 -0700
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-110947-2002.12.13-18.33.38--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Direct TV DSL became DirectWay a while back.

Jim, WA6OFT

----- Original Message -----
From: "dale huguley" <kg5qd@earthlink.net>
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Sent: Friday, December 13, 2002 4:34 PM
Subject: [aprssig] Direct TV DSL SK

> Hi All-
> Telocity became Direct TV DSL.
> Direct TV Dsl is ceasing operations in 30 days or so.
> I believe this is the service provider for the main Findu server.
> Yikes!
>
> 73 de kg5qd Dale
>
>
> ---
> You are currently subscribed to aprssig as: spider@rivcom.net
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> Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org
>
>
>

---

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293. [aprssig] Re: Direct TV DSL SK

From: dale huguley <kg5qd@earthlink.net>
Date: 13 Dec 2002 19:10:05 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: "TAPR APRS Special Interest Group <aprssig@lists.tapr.org>
<LYR22291-110947-2002.12.13-18.33.38--kg5qd#earthlink.net@lists.tapr.org>
<LYR28141-110946-2002.12.13-18.19.21--spider#rivcom.net@lists.tapr.org>"
<LYR22291-110947-2002.12.13-18.33.38--kg5qd#ea
Message-ID: <LYR842-110950-2002.12.13-18.54.59--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

On Fri, 2002-12-13 at 18:48, Spider wrote:
> Direct TV DSL became DirectWay a while back.
>
I think Directway is the Satellite delivered product- whats going south
is the copper dsl service. At any rate puts findu.com into a fluid
situation.

73 de kg5qd

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294. [aprssig] Re: 144.390

From: "Mark Fellhauer" <sparkfel@qwest.net>
Date: Fri, 13 Dec 2002 18:00:46 -0600
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-110952-2002.12.13-19.11.41--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

At 04:55 PM 12/13/02, AE5PL Lists wrote:

>I always carry a repeater directory. I also seldom have QSO's on
>repeaters in distant towns because my call is seldom responded to. But
>it does not mean that I don't have access to those resources. APRS is
>just one more. No more or less important than the others.

As I pointed out, repeater directories can't take into account changes in between publishing dates. Again, resources aren't just hardware, they're knowledge of local people, terrain, roads, and the like. Someone pointed out the specious "emergency" scenario. I'll pitch one. I'm pretty sure you'll refer to this as another "off topic" dissertation in another attempt to denigrate me...

If I'm driving around Sioux Falls and get caught in a white-out blizzard and get stuck in a snow bank, I can call (on a cell phone or Ham radio) one of half-a-dozen local people with a 4WD vehicle (or farm tractor) to come get me. I'm pretty likely to be able to describe well enough to a local my general location - roads, buildings, geographical or engineering prominences... "Hey Steve, I'm stuck in a snowbank somewhere south of town where Louise turns into a two lane road near 290th street. Come and get me please..."

OTOH, let's say Joe Ham is driving from Canada to Texas through Sioux Falls. Just as he hits the south side of Sioux Falls he gets into a white-out situation, get lost and off the main road and wedges his sedan into a snow bank and can't get his engine restarted - It's 2 AM, and the wind is blowing 60 MPH and it's 20 below zero (without the wind chill). He has a cell phone and calls 911 - he get's the Minnehaha or Lincoln County Sheriff's department. Ok? We don't have E911 and the driver only knows he's on a 2 lane road somewhere between Sioux Falls and Beresford. Now how are the Sheriff's gonna find him before he freezes to death? This guy has a blind APRS tracker, but before he left on the trip someone in Texas/Arkansas told him he should only beacon in ten minute intervals and at 5 watts to be courteous. He's cranks the RF output up, but he's in that dead spot between the Sioux Falls and Beresford Digi's- two minutes driving either way and he'd be able to hit one or the other. Had he been beaconing that way prior, we'd know within a mile or so what his location is...

Sound unlikely? Something like this happens almost every winter around here (without the APRS).

>Again, nice dissertation with nothing to do with the thread (snipped).
>This thread is about settings to use while traveling across country.

And that's what I was talking about.

Mark
KC7BXS

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295. [aprssig] Re: Direct TV DSL SK

From: Steve Dimse <k4hg@tapr.org>
Date: Fri, 13 Dec 2002 19:27:05 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-110953-2002.12.13-19.12.25--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

On 12/13/02 at 6:34 PM kg5qd@earthlink.net (dale huguley) sent:

>Telocity became Direct TV DSL.
>Direct TV Dsl is ceasing operations in 30 days or so.
>I believe this is the service provider for the main Findu server.
>Yikes!
>
Yup, looks like trouble, they say 30 days is the minimum time the service will stay up.

Two things I want to discuss. First, if Guy cannot get the backup server running in the next week, he needs to do the right thing and transfer it to someone that can immediately. It need to be up before I lose that DSL line, no excuse can be tolerated at this point.

Second, since Telocity was the only residential provider that could provide a fixed IP, I'll need to move the primary box to another site. In the past I had avoided this, because the box was my development machine, but now with Mac OS X capable of handling development of findU, I can part with the server.

I had a bunch of offers the last time the subject came up, but rather than try to dig up those emails and see if any offers are still open, I'll just ask. If you have a site that could handle the server (it is a minitower), let me know...the things I'm interested in are the authority (i.e. do you own the site or just think you can get away with it!), bandwidth, backup power, and physical security of the site.

Thanks

Steve K4HG

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296. [aprssig] RE: 144.390

From: Bob Bruninga <bruninga@usna.edu>
Date: Fri, 13 Dec 2002 19:38:46 -0500 (EST)
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: TAPR APRS Special Interest Group <aprssig@lists.tapr.org>
Message-ID: <LYR842-110954-2002.12.13-19.24.09--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

On Fri, 13 Dec 2002, Jonathan R Brockmeier wrote:

> On this same line, if you are on a trip, what is the polite gps position
> report time?

It depends on everything, mostly path...

1) No APRS digis heard, (APRS dead zone) then every minute for sure...

```
   At 60 MPH and with simplex range mobile to mobile limited to about
   2 to 5 miles MAX (remmeber packet tollerates absolutely zero flutter)
   If you dont beacon once a minute you can pass someone going the
   opposite direction and completely miss them...

   Path doesnt matter...

2) APRS area, but little activity mountain digis, once a minute 3 hops

3) Same but a busy channel, every 2 minutes or 2 hops

4) Busy area, 3 minutes 2 hops

or something like that...

bob, WB4APR



---
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```

297. [aprssig] Re: Direct TV DSL SK

From: "Bill Guthrie" <willy3jax@telocity.com>
Date: Fri, 13 Dec 2002 22:58:29 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-110963-2002.12.13-22.43.47--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

```
Covad offers a static IP for $69.95/month for SOHO accounts.


----- Original Message -----
From: "Steve Dimse" <k4hg@tapr.org>
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Sent: Friday, December 13, 2002 7:27 PM
Subject: [aprssig] Re: Direct TV DSL SK


> On 12/13/02 at 6:34 PM kg5qd@earthlink.net (dale huguley) sent:
>
> >Telocity became Direct TV DSL.
> >Direct TV Dsl is ceasing operations in 30 days or so.
> >I believe this is the service provider for the main Findu server.
> >Yikes!
> >
> Yup, looks like trouble, they say 30 days is the minimum time the service
will
> stay up.
>
> Two things I want to discuss. First, if Guy cannot get the backup server
running
> in the next week, he needs to do the right thing and transfer it to
someone that
> can immediately. It need to be up before I lose that DSL line, no excuse
can be
> tolerated at this point.
>
> Second, since Telocity was the only residential provider that could
provide a
> fixed IP, I'll need to move the primary box to another site. In the past I
had
> avoided this, because the box was my development machine, but now with Mac
OS X
> capable of handling development of findU, I can part with the server.
>
> I had a bunch of offers the last time the subject came up, but rather than
try
> to dig up those emails and see if any offers are still open, I'll just
ask. If
> you have a site that could handle the server (it is a minitower), let me
> know...the things I'm interested in are the authority (i.e. do you own the
site
> or just think you can get away with it!), bandwidth, backup power, and
physical
> security of the site.
```

```
>
> Thanks
>
>  Steve K4HG
>
> ---
> You are currently subscribed to aprssig as: willy3jax@telocity.com
> To unsubscribe send a blank email to leave-aprssig-842K@lists.tapr.org
> Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org
>
>
>



---
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Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org
```

---

298. [aprssig] Re: 144.390

From: "Pat Karp" <pkarp@conwaycorp.net>
Date: Fri, 13 Dec 2002 23:06:24 -0600
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-110970-2002.12.13-23.49.51--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

```
>
> OTOH, let's say Joe Ham is driving from Canada to Texas through Sioux
> Falls.  Just as he hits the south side of Sioux Falls he gets into a
> white-out situation, get lost and off the main road and wedges his sedan
> into a snow bank and can't get his engine restarted - It's 2 AM, and the
> wind is blowing 60 MPH and it's 20 below zero (without the wind chill).
He
> has a cell phone and calls 911 - he get's the Minnehaha or Lincoln County
> Sheriff's department.   Ok?  We don't have E911 and the driver only knows
> he's on a 2 lane road somewhere between Sioux Falls and Beresford.  Now
how
> are the Sheriff's gonna find him before he freezes to death?    This guy
> has a blind APRS tracker, but before he left on the trip someone in
> Texas/Arkansas told him he should only beacon in ten minute intervals and
> at 5 watts to be courteous.  He's cranks the RF output up, but he's in
that
> dead spot between the Sioux Falls and Beresford Digi's- two minutes
driving
> either way and he'd be able to hit one or the other.   Had he been
> beaconing that way prior, we'd know within a mile or so what his location
is...
>
> Sound unlikely?  Something like this happens almost every winter around
> here (without the APRS).

Are you serious?  If a guy is in this kind of situation why not take a look
at his gps
and state the coordinates?  Not only that he most likly knows the road hes
on or was on
and the local aprs station has record of him eather 5 minues ago or will
hear him
five minuts from now. shoot by the time the sheriff has a chance to
look(maybe not
in Sioux Falls but in most of the country) at an APRS station to get a look
the guy
would have sent another beacon.

BTW I dont beleave I sayed anything about 5 watts.  Seems how I'm the guy
from
Arkansas!  You seem to think that APRS through out the country is the same
as in
Sioux Falls.  Sorry but that is not the case.  I would hope folks everywhere
would
tolorate such activity but I don't think anyone anywhere would consider you
courtious.





---
You are currently subscribed to aprssig as: lyris.aprssig@tapr.org
```

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Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

---

299. [aprssig] ISS Lost?

From: "john van sandt" <n9yrx@hotmail.com>
Date: Sat, 14 Dec 2002 05:26:50 +0000
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-110979-2002.12.14-00.12.07--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

I have been doing some listening and tracking of the International Space Station. In order to see where it is I go here:
http://www.findu.com/cgi-bin/find.cgi?iss

I found this site that shows where it should be and predicts where its going. http://liftoff.msfc.nasa.gov/temp/StationLoc.html (Go over to "J-track 3-D" and you can see any sattilite you want).

If you pull both of them up in different windows and compare APRS does not agree with the others tracking.

I understand there is an APRS unit on ISS. What freq. does it operate on? If it changes from time to time where can I find the present up and down link freqs. For now I just want to listen to the APRS on the ISS and be able to predict where its going to be with out loading in a bunch of Keps.

____
Add photos to your messages with MSN 8. Get 2 months FREE*.
http://join.msn.com/?page=features/featuredemail

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Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

---

300. [aprssig] Re: 144.390

From: "Mark Fellhauer" <sparkfel@qwest.net>
Date: Sat, 14 Dec 2002 01:29:45 -0600
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-110987-2002.12.14-02.15.21--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

At 11:06 PM 12/13/02, Pat Karp wrote:

>Are you serious? If a guy is in this kind of situation why not take a look
>at his gps
>and state the coordinates?

I said if we're gonna make specious arguments... BUT

You guys make a lot of assumptions... Not everyone runs a tracker with a GPS display. It seems to me Radio Shack sells a $99 GPS engine. My car has a Garmin GPS 36, I also have a Rand McNally GPS engine. I don't see a display on any of those. I'm not sure I want a GPS with a display in my car. They use more power, they don't auto-on, and it gets cold enough here to destroy an LCD panel. Garmin even put out a notice on this with at least one of their GPS products.

Also, not all Public Safety departments are trained or equipped to handle coordinates given by GPS. At least one ham has related such an incident on this SIG.

> Not only that he most likly knows the road hes
>on or was on
>and the local aprs station has record of him eather 5 minues ago or will
>hear him
>five minuts from now. shoot by the time the sheriff has a chance to
>look(maybe not
>in Sioux Falls but in most of the country) at an APRS station to get a look
>the guy
>would have sent another beacon.

Again, you make a lot of false assumptions. You make the mistake that beacon rate = successful digipeat rate. Going again to your suggestion of 10 minutes between beacons means a single missed digipeat means 20 minutes between your next attempt. You can go pretty far in a car in 20 minutes. As I have pointed out it's a routine occurrence in this part of the country for motorists to get disoriented in bad weather. You get outside of the city and there are no distinguishing landmarks to give you any reference point. No streetlights. No visible sky. No mountains. We even have people get lost in good weather, and get into a disabled vehicle situations and it takes days to find them. It happened this summer. And that assumes that you've just gotten disoriented and disabled. It's really easy to injure yourself. Dick Cheney was up here pheasant hunting last fall and the Secret Service drivers rolled one of their big SUV's on a country road, and these guys are professional drivers...

A few winters back we had a lady get lost in a blizzard and they managed to DF her after several days and about 15 minutes before her cell phone battery died (If I recall correctly she was on the phone with our Governor at the time). She was very lucky. You guys in Southern States don't understand snow, cold, and wind; how it alters your perceptions and clouds your judgement. People think their in one spot and when they're found it's miles from that...

Last winter we had a college student disappear on his way from a tavern to his dorm. He decided to walk the less than two miles home - got caught in a white-out and never made it. They found his body two months later with the spring thaw, he was within sight of his dorm. And no, he wasn't drunk.

>BTW I dont beleave I sayed anything about 5 watts. Seems how I'm the guy
>from
>Arkansas! You seem to think that APRS through out the country is the same
>as in
>Sioux Falls. Sorry but that is not the case. I would hope folks everywhere
>would
>tolorate such activity but I don't think anyone anywhere would consider you
>courtious.

As I have pointed out many times, I've been in APRS longer than most and have operated APRS locally in both rural and urban situations, including driving cross-country. Don't tell me I seem to think APRS is the same everywhere. Unfortunately it is not. Unfortunately we have certain areas of the country where the LOCAL users have assumed that 144.39 is their private playground and they can't run local nets on any other frequency.

Again, the whole purpose of the 144.39 MHz frequency is to UNIFY operations for people travelling from town-to-town and state-to-state at the lowest common denominator. That is basic equipment: a rock-bound transmitter (not necessarily transceiver), a Tinytrak or similar, and a GPS engine. Again, Set and Forget for most successful operation in the majority of circumstances. When does your APRS setup quit working? When you futz with it a lot. When does that happen? Usually when you're 500 miles from home and don't have the time or tools to address the situation. The name APRS says it all. AUTOMATED Position Reporting System. It is not the Courtesy-Based Position Reporting System. The term courtesy assumes manual (human intervention) control. Someday we'll get to a point where there will be a low-cost box that can use some kind of AI for beacon rate, path, RF output, corner pinning, etc. - but we're not there yet. We still have plenty of people running blind or dumb trackers. I am one of them.

I don't ever want to hear anyone saying that a guy driving a wheeled ground vehicle (no airplane arguments, please) cross-country with basic equipment - beaconing at a rate of 1 to 3 minutes, running a path of relay, wide, and pumping out 50 watts is somehow being discourteous on 144.39 MHz APRS. If you guys want to set up a private APRS network with local customs and paths and beacon rates and power rating suggestions, fine. You guys know your local geographic and RF topography, but don't put that onus on passers-through and don't do it on 144.39 MHz. Obviously if you know you can hit your home-town repeater with 5 watts doing 90% of your day-to-day driving and you seldom get up over 30 MPH in stop and go traffic and a beacon rate of 5 minutes or more is fine, than go ahead with those settings. Please don't put those same expectations on a guy from two states over passing by on the Interstate.

Mark
KC7BXS

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To unsubscribe send a blank email to leave-aprssig-842K@lists.tapr.org
Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

301. [aprssig] DIGI_NED 0.3.3 update

From: Henk de Groot <henk.de.groot@hetnet.nl>
Date: Sat, 14 Dec 2002 11:40:53 +0100
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-110997-2002.12.14-05.28.15--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Hello,

Here is a small update to DIGI_NED, version 0.3.3.

A problem was found in the "diginext:" rule, which shows once again that late changes are a bad idea... Anyway, I fixed it. If you plan to use this "diginext:" rule then fetch a new copy from the web. Otherwise you can just continue with the previous 0.3.3, it also works okay except for this "diginext:" rule. There are no functional differences.

I didn't update the version number as it is only a small correction, the change is however described in the change log.

As usual the this version and the source are available on the web via:

http://www.qsl.net/digi_ned

or

http://www.homepages.hetnet.nl/~remko

Here are the changes from the Changes.txt file:

Changes.txt

14-12-2002 version 0.3.3 + correction
- Boris, OK1RQ found a problem with the new "diginext:" rule, it also
   executed the "digifirst:" rules due to a bug.

APRS[tm] is a Trademark of Bob Bruninga,
his home page is at "http://web.usna.navy.mil/~bruninga/aprs.html"

Kind regards,

Henk.

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302. [aprssig] Re: Direct TV DSL SK

From: Steve Dimse <k4hg@tapr.org>
Date: Sat, 14 Dec 2002 09:58:01 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: TAPR APRS Special Interest Group <aprssig@lists.tapr.org>
Message-ID: <LYR842-111003-2002.12.14-09.43.22--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

On 12/13/02 at 10:58 PM willy3jax@telocity.com (Bill Guthrie) sent:

>Covad offers a static IP for $69.95/month for SOHO accounts.
>
They do not serve my exchange (though they will give me a T1 for $750/month), nor does Earthlink provide fixed IP on my exchange.

Steve K4HG

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To unsubscribe send a blank email to leave-aprssig-842K@lists.tapr.org
Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

303. [aprssig] RE: 144.390

From: "Joe Dorn" <joedorn@stonemedia.com>
Date: Sat, 14 Dec 2002 09:18:21 -0600
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-111004-2002.12.14-10.05.12--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Now I know why I hear these police chases every so often on IH-35... If my arithmetic is correct 16 to 17 miles in ten minutes translates to 96 to 102 miles per hour... I will have to watch my display a little closer to see you whizzing past... What call sign should I look for? Got to be the fastest 18-wheeler on the road...

(Belton is 60 miles north of Austin, 130 miles south of Dallas on IH-35, along his route.)

BTW, when you pick up a digi between Salado and Belton, it is my weather station, W5VEX-1, transmitting data from a Peet unit. I understand that the D700 cannot display the data from the Peet units or I would have bought one. You can check my data out by going to;

http://www.findu.com/cgi-bin/wxpage.cgi?call=w5vex-1&radar=ewx&last=120

If I see you flying up 35, I might get the locals to set up a roadblock and buy you a cup of coffee...

Also, I have traveled the country extensively with a transmission every minute with a 5-5, usually gives me a good track. When I hit a metropolitan area I back down the rate to about every 4 or 5 minutes... I will be going to Houston today if you want to see the track...

Joe Dorn, W5VEX, Belton, Texas

-----Original Message-----
From: bounce-aprssig-23581@lists.tapr.org [mailto:bounce-aprssig-23581@lists.tapr.org]On Behalf Of tvsjr
Sent: Friday, December 13, 2002 4:40 PM
To: TAPR APRS Special Interest Group
Subject: [aprssig] RE: 144.390

Ouch... 10 minutes? That's more like 16-17 miles to me. Especially when I'm making midnight runs (like Dallas-Austin), I'll run a 60 sec beacon rate with a WIDE5-5 path from a D700 using a ~5dbi gain antenna. Considering most of the packets transmitted at night are fixed stations broadcasting weather data (the digis that ID every 3 minutes or so and don't broadcast any weather data are another topic for discussion one of these days), it doesn't bother anyone, and it's nice to be able to make it in to both cities via RF.

Terry

At 08:07 AM 12/13/2002 -0600, Pat Karp wrote:

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Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

---

304. [aprssig] Re: 144.390

From: "Joe Della Barba" <joe@dellabarba.com>
Date: Sat, 14 Dec 2002 10:21:03 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-111005-2002.12.14-10.07.03--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Here is what I do:
I use a TTII with smart beaconing. I have one setting with smart beaconing on and one with it off set to beacon every minute. With smart beaconing on I can use a path that will get me to FINDU most of the time without QRMing the channel while my car/boat/plane is sitting still. If I really need to get found and I was stuck I can just switch to once per minute.
73
Joe N3HGB

----- Original Message -----
From: "Mark Fellhauer" <sparkfel@qwest.net>

To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Sent: Friday, December 13, 2002 7:00 PM
Subject: [aprssig] Re: 144.390

> At 04:55 PM 12/13/02, AE5PL Lists wrote:
>
> >I always carry a repeater directory. I also seldom have QSO's on
> >repeaters in distant towns because my call is seldom responded to. But
> >it does not mean that I don't have access to those resources. APRS is
> >just one more. No more or less important than the others.
>
> As I pointed out, repeater directories can't take into account changes in
> between publishing dates.   Again, resources aren't just hardware, they're
> knowledge of local people, terrain, roads, and the like. Someone pointed
> out the specious "emergency" scenario. I'll pitch one. I'm pretty sure
> you'll refer to this as another "off topic" dissertation in another attempt
> to denigrate me...
>
> If I'm driving around Sioux Falls and get caught in a white-out blizzard
> and get stuck in a snow bank, I can call (on a cell phone or Ham radio) one
> of half-a-dozen local people with a 4WD vehicle (or farm tractor) to come
> get me. I'm pretty likely to be able to describe well enough to a local my
> general location - roads, buildings, geographical or engineering
> prominences...   "Hey Steve, I'm stuck in a snowbank somewhere south of
> town where Louise turns into a two lane road near 290th street. Come and
> get me please..."
>
> OTOH, let's say Joe Ham is driving from Canada to Texas through Sioux
> Falls. Just as he hits the south side of Sioux Falls he gets into a
> white-out situation, get lost and off the main road and wedges his sedan
> into a snow bank and can't get his engine restarted - It's 2 AM, and the
> wind is blowing 60 MPH and it's 20 below zero (without the wind chill). He
> has a cell phone and calls 911 - he get's the Minnehaha or Lincoln County
> Sheriff's department.   Ok? We don't have E911 and the driver only knows
> he's on a 2 lane road somewhere between Sioux Falls and Beresford. Now how
> are the Sheriff's gonna find him before he freezes to death?   This guy
> has a blind APRS tracker, but before he left on the trip someone in
> Texas/Arkansas told him he should only beacon in ten minute intervals and
> at 5 watts to be courteous. He's cranks the RF output up, but he's in that
> dead spot between the Sioux Falls and Beresford Digi's- two minutes driving
> either way and he'd be able to hit one or the other.   Had he been
> beaconing that way prior, we'd know within a mile or so what his location is...
>
> Sound unlikely? Something like this happens almost every winter around
> here (without the APRS).
>
>
> >Again, nice dissertation with nothing to do with the thread (snipped).
> >This thread is about settings to use while traveling across country.
>
>
> And that's what I was talking about.
>
>
> Mark
> KC7BXS
>
>
>
>
>
> ---
> You are currently subscribed to aprssig as: joe@dellabarba.com
> To unsubscribe send a blank email to leave-aprssig-842K@lists.tapr.org
> Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org
>

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Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

305. [aprssig] "1200 baud VHF Packet" via Repeaters?

From: "Al" <nazdaq@sympatico.ca>
Date: Sat, 14 Dec 2002 10:39:46 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-111006-2002.12.14-10.25.22--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

This discussion group has raised the issue of SSTV via repeaters but:

Have any tests been done to determine how well "1200 baud Standard VHF Packet" goes through repeaters? Then the extension to that is how well it would work when repeaters are linked using IRLP? Al

---
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Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

306. [aprssig] Re: Direct TV DSL SK

From: "Ryan Wilkins" <ryan@deadfrog.net>
Date: Sat, 14 Dec 2002 10:45:19 -0500 (EST)
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: <aprssig@lists.tapr.org>
Message-ID: <LYR842-111007-2002.12.14-10.29.03--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

What about a business rate cable modem? The cable company for my city offers residential and business rates. Residential for $34.95 with existing cable service or $44.95 without. Residential gets a dynamic IP. Business is $69.95 with $250 setup but includes a static ip. I think they're saying 3 Mbps down and 256Kbps up.

Perhaps your area has something similar. The problem will likely be your uplink bandwidth.

Ryan K9ZOE

> They do not serve my exchange (though they will give me a T1 for
> $750/month), nor does Earthlink provide fixed IP on my exchange.

---
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To unsubscribe send a blank email to leave-aprssig-842K@lists.tapr.org
Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

307. [aprssig] RE: 144.390

From: "James" <kb7tbt@qsl.net>
Date: Sat, 14 Dec 2002 09:00:33 -0700
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-111008-2002.12.14-10.50.48--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Actually you may not be all that far off. here in AZ the speed limit is 75mph so to see people doing 80-85 is not uncommon at all.

The issue I have is that I do not own a laptop so I will have to set and forget. Some people have wanted to send me MSG's on APRS but due to the fact that I wont have the capability that is out. I have tried to con my brother to lend me his but I was given the one finger salute..LOL

If there is anyone that wants to fed ex one to me before Thursday I will guarantee its return by the second week of Jan...you know Christmas is coming...hint hint...:}

As far as the stopping debate, in the box I have mounted all the equipment in there is a relay that is triggered by the ignition, not the ACC but actual "run" position of the circuit. So when the car is off the equipment is off, this settles the issue with stopping at a rest stop or anywhere else and helps the wife not wanting to reach in and turning it on and off all the time.

Two things I have learned being married....
1. Keep it simple
2. say "yes dear" allot!

As far as the settings go, relay,wide,wide and a 3 min reporting rate should cover the ride just fine. Believe it or not, I would love to set it to 15 to 20 seconds for town use but that would flood way to easy, this is a big town and our street speed limits are 50mph, in 1 min that's allot of ground covered especially when you are looking at street level maps.

Hey I got a great idea! Ill set it up to do 10 second reporting and run 1500 watts until the alternator explodes!...LOL ok just kidding!

73!!

KB7TBT Home Page
http://www.qsl.net/kb7tbt
DM33

In the 60's people took acid to make the world weird. Now the world is weird and people take Prozac to make it normal.

----- Original Message -----
From: "Joe Dorn" <joedorn@stonemedia.com>
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Sent: Saturday, December 14, 2002 08:18
Subject: [aprssig] RE: 144.390

> Now I know why I hear these police chases every so often on IH-35... If my arithmetic is
> correct 16 to 17 miles in ten minutes translates to 96 to 102 miles per hour... I will
> have to watch my display a little closer to see you whizzing past... What call sign should
> I look for? Got to be the fastest 18-wheeler on the road...
>
> (Belton is 60 miles north of Austin, 130 miles south of Dallas on IH-35, along his route.)
>
> BTW, when you pick up a digi between Salado and Belton, it is my weather station, W5VEX-1,
> transmitting data from a Peet unit. I understand that the D700 cannot display the data
> from the Peet units or I would have bought one. You can check my data out by going to;
>
> http://www.findu.com/cgi-bin/wxpage.cgi?call=w5vex-1&radar=ewx&last=120
>
>
> If I see you flying up 35, I might get the locals to set up a roadblock and buy you a cup
> of coffee...
>
> Also, I have traveled the country extensively with a transmission every minute with a 5-5,
> usually gives me a good track. When I hit a metropolitan area I back down the rate to
> about every 4 or 5 minutes... I will be going to Houston today if you want to see the
> track...
>
> Joe Dorn, W5VEX, Belton, Texas
>
> -----Original Message-----
> From: bounce-aprssig-23581@lists.tapr.org [mailto:bounce-aprssig-23581@lists.tapr.org]On
> Behalf Of tvsjr
> Sent: Friday, December 13, 2002 4:40 PM
> To: TAPR APRS Special Interest Group
> Subject: [aprssig] RE: 144.390
>
> Ouch... 10 minutes? That's more like 16-17 miles to me. Especially when I'm
> making midnight runs (like Dallas-Austin), I'll run a 60 sec beacon rate
> with a WIDE5-5 path from a D700 using a ~5dbi gain antenna. Considering
> most of the packets transmitted at night are fixed stations broadcasting
> weather data (the digis that ID every 3 minutes or so and don't broadcast

> any weather data are another topic for discussion one of these days), it
> doesn't bother anyone, and it's nice to be able to make it in to both
> cities via RF.
>
> Terry
>
> At 08:07 AM 12/13/2002 -0600, Pat Karp wrote:
>
>
>
>
> ---
> You are currently subscribed to aprssig as: kb7tbt@qsl.net
> To unsubscribe send a blank email to leave-aprssig-842K@lists.tapr.org
> Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org
>
>

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308. [aprssig] Re: "1200 baud VHF Packet" via Repeaters?

From: "James" <kb7tbt@qsl.net>
Date: Sat, 14 Dec 2002 09:06:32 -0700
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-111009-2002.12.14-10.56.52--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

As far as general packet radio, here in town we have the 145.11 machine that is dedicated to packet only, it can run 1200 and 9600 without a hitch. With IRLP I would think you would have to setup a delay between the keyup and the transmission due to the slight lag in the link.

As far as SSTV goes, we have been running it on The AATV 145.19 repeater for years, I just use the soundcard with a double ended plug directly from the radio to the mic input with no modification at all. Output is direct from the card to the mic plug, I do have to manually key it but that was because I was just lazy and didn't feel like wiring it.

KB7TBT Home Page
http://www.qsl.net/kb7tbt
DM33

In the 60's people took acid to make the world weird. Now the world is weird and people take Prozac to make it normal.

----- Original Message -----
From: "Al" <nazdaq@sympatico.ca>
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Sent: Saturday, December 14, 2002 08:39
Subject: [aprssig] "1200 baud VHF Packet" via Repeaters?

> This discussion group has raised the issue of SSTV via repeaters but:
>
> Have any tests been done to determine how well "1200 baud Standard VHF
> Packet" goes through repeaters? Then the extension to that is how well it
> would work when repeaters are linked using IRLP? Al
>
>
>
> ---
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>

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309. [aprssig] Re: Direct TV DSL SK

From: Harry Burford <ka0tty@arrl.net>
Date: Sat, 14 Dec 2002 10:21:33 -0600
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-111010-2002.12.14-11.06.52--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

I can't offer a site, but I do recall a former co-worker having great success at www.dyndns.com with providing him a method of hosting a server on his Verizon dynamic IP DSL account at home. I had looked at www.tzo.com too but have no experience with them.

A dynamic IP shouldn't be a road block for hosting a server.

Harry, KA0TTY

On 12/13/02 6:27 PM, "Steve Dimse" <k4hg@tapr.org> wrote:

> On 12/13/02 at 6:34 PM kg5qd@earthlink.net (dale huguley) sent:
>
> Yup, looks like trouble, they say 30 days is the minimum time the service will
> stay up.
>
> Two things I want to discuss. First, if Guy cannot get the backup server
> running
> in the next week, he needs to do the right thing and transfer it to someone
> that
> can immediately. It need to be up before I lose that DSL line, no excuse can
> be
> tolerated at this point.
>
> Second, since Telocity was the only residential provider that could provide a
> fixed IP, I'll need to move the primary box to another site. In the past I had
> avoided this, because the box was my development machine, but now with Mac OS
> X
> capable of handling development of findU, I can part with the server.
>
> I had a bunch of offers the last time the subject came up, but rather than try
> to dig up those emails and see if any offers are still open, I'll just ask. If
> you have a site that could handle the server (it is a minitower), let me
> know...the things I'm interested in are the authority (i.e. do you own the
> site
> or just think you can get away with it!), bandwidth, backup power, and
> physical
> security of the site.
>
> Thanks
>
> Steve K4HG

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---

310. [aprssig] RE: 144.390

From: "Pat Karp" <pkarp@conwaycorp.net>
Date: Sat, 14 Dec 2002 10:34:45 -0600
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-111011-2002.12.14-11.18.14--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

> If there is anyone that wants to fed ex one to me before Thursday I will
> guarantee its return by the second week of Jan...you know Christmas is
> coming...hint hint...:}
>
I do have a laptop up for bid on Ebay hehe You can save on shipping by
picking it up along the way. LOL
>
> Two things I have learned being married....
> 1. Keep it simple
> 2. say "yes dear" allot!
>
You are a wise man! LOL

>
> Hey I got a great idea! Ill set it up to do 10 second reporting and run

1500
> watts until the alternator explodes!...LOL ok just kidding!
>
Oh I see I'll just look for the glowing red antenna. lol

Pat

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---

311. [aprssig] Re: Direct TV DSL SK

From: "Bob and Janet" <jbcraft@adelphia.net>
Date: Sat, 14 Dec 2002 11:34:05 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-111013-2002.12.14-11.20.06--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

While on the subject of DirectTv DSL....

I found myself living in the 19th Century part of Ohio (well, if you look on the map, I am between Cincinnati and Middletown), but we are "served" by Adelphia Communications.

As a result, I cannot get TimeWarner Roadrunner, I am too far out from the nearest Cincinnati Bell ESS for xDSL, CBT has no plans to upgrade the SLK banks for data beyond 9K6, and Adelphia is --- well, Adelphia.

I need something faster than dialup!

Does anyone have first hand info on Dish or Direct products? I understand that Dish will give me a static IP and that Direct cannot be used for real time/ streaming audio or video.

Suggestions?

I need to join the 21st Century...

73 Bob K8YS

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---

312. [aprssig] Re: 144.390

From: Phil Reed <preed@dnaco.net>
Date: Sat, 14 Dec 2002 11:22:40 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-111014-2002.12.14-11.20.25--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

At 12:06 AM 12/14/2002, Pat Karp wrote:

>Are you serious? If a guy is in this kind of situation why not take a look
>at his gps and state the coordinates?

I have built multiple trackers based on MFJ DataRadios, KPC3 TNCs and Holux GPS receivers. Not a display in the lot. If you can tell me what to look at to pull coordinates from in that combination, please do.

>BTW I dont beleave I sayed anything about 5 watts.

No, I'm the one who said "5 watts". It was in relation to an APRS digi that you claimed could be reliably hit from 50 miles (or perhaps 25 miles either side; it wasn't clear from your context). I questioned that claim, and I still question it. I described a tracker that I built, with the implication that your "50 mile" range digi would have more than a little trouble with this tracker.

>Seems how I'm the guy from
>Arkansas! You seem to think that APRS through out the country is the same
>as in
>Sioux Falls. Sorry but that is not the case.

Sure would be nice if it was, though.

>I would hope folks everywhere would
>tolorate such activity but I don't think anyone anywhere would consider you
>courtious.

It's an interesting definition of "courtesy" wherein the temporary visitor, operating on what is supposedly a national standard, is barely tolerated.

...phil / w8sca

"For a list of all the ways technology has failed
to improve the quality of life, press 3."

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---

313. [aprssig] Re: Direct TV DSL SK

From: bob evinger <revinger@evinger.com>
Date: Sat, 14 Dec 2002 11:30:00 -0600
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-111024-2002.12.14-12.17.49--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

I am running starband at the moment, havve been for the last 12 months or so. Have had no major problems with it, albeit they are in chapter 11 at the moment since late summer but the service is actually better now than before filing. Not sure if they are taking new customers though. There are some issues, but I have seen nothing of the problems that the vocal minority seems to complain about with starband. We do have a wireless company providing service that I may be in range of though so may be switching just to give my support to a local company.

Though having an internet connection that isnt dependent on the condition of the local backbone is nice. course if somebody cuts a cable in georgia I am off line :)

I have used realplayer with starband successfully most of the time, but have never tried real time voice to voice. My wife has and believe it worked but there were the characteric satellite lag times.

bob

Bob and Janet wrote:
> While on the subject of DirectTv DSL....
>
> I found myself living in the 19th Century part of Ohio (well, if you look on
> the map, I am between Cincinnati and Middletown), but we are "served" by
> Adelphia Communications.
>
> As a result, I cannot get TimeWarner Roadrunner, I am too far out from the
> nearest Cincinnati Bell ESS for xDSL, CBT has no plans to upgrade the SLK
> banks for data beyond 9K6, and Adelphia is --- well, Adelphia.
>
> I need something faster than dialup!
>
> Does anyone have first hand info on Dish or Direct products? I understand
> that Dish will give me a static IP and that Direct cannot be used for real
> time/ streaming audio or video.
>
> Suggestions?
>
> I need to join the 21st Century...
>
> 73 Bob K8YS
>
>
> ---
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>
>

--
Bob Evinger   WD9EKA/AAR5MG(Army MARS operator)
If Guns Cause Crime, Then Matches Cause Arson.

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---

314. [aprssig] Re: soundcard APRS? MixW is a great softmodem!

From: Ralph Milnes <milnes1@rcn.com>
Date: Sat, 14 Dec 2002 12:37:53 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-111025-2002.12.14-12.23.27--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Stephen, you wrote:

>MixW (the multimode sound card program) can emulate a multi-mode TNC like
>a KAM or PK232. Set to the "1200 baud Standard VHF Packet" mode, it does
>an absolutely superb job as a TNC -- it outperfoms EVERY TNC hardware or
>software TNC that I have ever tested.

I'm not doubting you, but what criteria were you using to say MixW
outperforms AGWPE (a software TNC)? That it's more tolerant of   various
sound cards (as you say below) or were implying it does a better job of
hearing and decoding?

Is it also not true that MixW requires a $50 registration fee? AGWPE is
free. It could well be that MixW is better for some users, but if you can
make AGWPE work, you save $50.

It also sounds like you need 2 physical serials ports to make MixW work on
a Win9X system (your next paragraph). Yes? That seems like another downside
to MixW compared to AGWPE

And MixW is not TCP/IP network compatible. Yes? Might be important for
those who want to have more than one program connect to the modem or for
those that want to have one program connect to more than one radio/modem.

I haven't worked with MixW, so I'm just trying to illicit some of the
pluses and minuses of each program.

Ralph KC2RLM

>   On Win9X the interface is a bit kludgy since it's TNC emulation outputs
>to a serial port. In turn you need to connect that port to another serial
>port, with a null-modem (crossover) cable,   where the end application (i.e.
>APRS program) is expecting a hardware TNC to be connected.
>   On Win 2K and XP, an optional software component (the Mix "serial port
>bridge") creates two virtual serial ports connected to each other. You then
>tell Mix to use one of the imaginary ports,   and the APRS program, BBS app,
>packetcluster pgm or other end app to use the other virtual port. No
>physical ports needed. Note that the Mix softmodem data stream interfaces
>with an APRS application via a normal serial port in KISS mode, not via a
>ICP/IP connection as the AGW Packet Engine does.
>
>The program displays the received packets in it's own window as well as
>echoing them out the virtual TNC so you can monitor the raw packets BEFORE
>the APRS program gets at them. Very handy for debugging on APRS.   This is
>somewhat similar to using the Web browser monitor function in AGW.
>
>I have used both AGW and MixW in many different computers and have found that
>MixW is much more tolerant of diverse soundcard hardware than AGW. Several
>systems that AGW wouldn't work on at all (or were extremely fussy about
>input audio level settings) worked flawlessly with MixW.
>
>I've been running the Mix softmodem, APRSplus and Street Atlas 9 on a Win2K
>Celeron system for months now without a single hiccup.
>
>I've used it with UI-VIew and APRSpoint as well.
>
>Currently I use it in the 300 baud 200-Hz shift packet mode on 30M HF APRS.
>In the HF mode, you can tune the packet tone frequencies on a waterfall
>display, with a click of the mouse, just as you do on PSK31. Since the
>tones are fully variable, you can emulate the 1600/1800 pairing of a KAM or

>TNC2 in HF mode, or the 2110/2310 tone pair of a PK232 in HF mode at will.
>
>Info and downloads at:
>   http://mixw.net
>
>Stephen H. Smith   wa8lmf @ aol.com
>Home Page: http://wa8lmf.com
>Ham Radio/Mobile SSTV page: http://members.aol.com/wa8lmf/ham
>APRS Stuff
>http://members.aol.com/wa8lmf/aprs

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315. [aprssig] Satellite internet, was Direct TV DSL SK

From: Jeff King <jeff@aerodata.net>
Date: Sat, 14 Dec 2002 12:43:20 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-111026-2002.12.14-12.29.05--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Hello Bob:

I'm in the same boat as you, cows and trees and the closet cable product 5 miles away, the closet DSL product 20 miles away. A T1 would have cost me $900+ a month. So, I've been using DirecWay (directtv) since October (the Hughes product). So far, relatively pleased with it.

I was considering the "dish" product (StarBand) however when they went into chapter 11 I decided not to.

Plus, Hughes had a 99/99 plan, in which you could finance the equipment over a year, not that I needed it, but I figured it would lessen my exposure if they went the same way as Starband (which required you to purchase the modem up front... $400-$500).

Anyways, here are the problems with Direcway (and the reasons I was going to go with Starband).

No static or dynamic IP. In the residential class service, they NAT everyone to the 10.x.x.x subnet. This is not true however in the business class service, you get a exposed static IP address here. More on the business class later.

The notorious "FAP". The FAP, or Fair Access Policy, limits the amount of data you can download in a certain period of time. For residential service it is 169megabytes in a four hour period. In reality, I have only been hit with this a few times (it reduces your speed to about 100Kbps), once when streaming some high fi audio the whole day and the other time when downloading the WinCE development kit from MicroSoft (a 300 meg download). There are download plugins for some of the browsers in which you can limit download speed, so for downloads the fap is a non-issue. If you heavy into real audio/video, then the business class service might be better, it gives a FAP of 500 megabytes per 4 hour period. However, yet to have a problem with any of the talk radio streaming audio sites (which I have running almost non-stop when I am down here).

Uploads. Both Direcway and Starband are asymmetrical, meaning upload speed is less then download. In this case alot. Expect upload speeds of 20kbps-70kbps on both products. You could run a small server with this, but never a major one.

Latency. You have to go up and back from a satellite 22,000 miles away. Add ~300-500ms to the ping times you get with standard landline internet. Not good for gamers.

Now, the good things about Direcway (besides the fact it is the only game in town for folks like us!)

Speed. They promise 400kbps. It is a rare time I am ever below this. It averages around 1Mbps for me. I have had peak sustained speeds of 1.8Mbps, and I hear other folks are getting even higher. I understand even in the good times, they had Starband beat hands down here.

Cost. They are cheaper then Starband. $59 a month compared to $69 a month.

A few comments about business class service. The cost here is $89 a month and for that you get a static IP, more sockets/streams allocated to you and the FAP increased to 500megabytes. I had planned on going to the right away but so far the residential service has worked out. Still will likely do it before the spring, but mostly for the static IP.

My current setup is Windows 2000 as the server and what the Direcway is installed on. From there, I use ICS to share the connection via 802.11b as well as ethernet to 3 more windows boxes, two laptops and a couple Linux boxes. Have had 3 people on the system using the internet with no apparent degradation (unless one is downloading a large file of course).

There are some new products on the horizon (like Wild Blue) but the whole industry is in turmoil at the moment because of the echostar <> hughes merger being shot down. I guess the only good news here is Hughes did go on record yesterday that Direcway would be with us for some time to come and the comments made in the WSJ where not its plans.

Good luck and let me know if you get the product, I can help you set things up.

--
Jeff King, jeff@aerodata.net on 12/14/2002

On Sat, 14 Dec 2002 11:34:05 -0500, Bob and Janet wrote:
>While on the subject of DirectTv DSL....
>
>I found myself living in the 19th Century part of Ohio (well, if you
>look on
>the map, I am between Cincinnati and Middletown), but we are
>"served" by
>Adelphia Communications.
>
>As a result, I cannot get TimeWarner Roadrunner, I am too far out
>from the
>nearest Cincinnati Bell ESS for xDSL, CBT has no plans to upgrade
>the SLK
>banks for data beyond 9K6, and Adelphia is --- well, Adelphia.
>
>I need something faster than dialup!
>
>Does anyone have first hand info on Dish or Direct products? I
>understand
>that Dish will give me a static IP and that Direct cannot be used
>for real
>time/ streaming audio or video.
>
>Suggestions?
>
>I need to join the 21st Century...
>
>73 Bob K8YS
>
>
>---
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316. [aprssig] Re: Direct TV DSL SK

From: Steve Dimse <k4hg@tapr.org>
Date: Sat, 14 Dec 2002 13:39:40 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>

Cc: TAPR APRS Special Interest Group <aprssig@lists.tapr.org>
Message-ID: <LYR842-111028-2002.12.14-13.25.00--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

```
On 12/14/02 at 10:45 AM ryan@deadfrog.net (Ryan Wilkins) sent:

>What about a business rate cable modem?  The cable company for my city
>offers residential and business rates.  Residential for $34.95 with
>existing cable service or $44.95 without.  Residential gets a dynamic IP.
>Business is $69.95 with $250 setup but includes a static ip.  I think
>they're saying 3 Mbps down and 256Kbps up.
>
>Perhaps your area has something similar.  The problem will likely be your
>uplink bandwidth.
>
No two way broadband cable in my area(there is one way, with phone uplink, which
obviously won't work).

Steve K4HG

---
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317. [aprssig] Re: Direct TV DSL SK

From: Steve Dimse <k4hg@tapr.org>
Date: Sat, 14 Dec 2002 13:48:36 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: TAPR APRS Special Interest Group <aprssig@lists.tapr.org>
Message-ID: <LYR842-111029-2002.12.14-13.33.53--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

```
On 12/14/02 at 10:21 AM ka0tty@arrl.net (Harry Burford) sent:

>I can't offer a site, but I do recall a former co-worker having great
>success at www.dyndns.com with providing him a method of hosting a server on
>his Verizon dynamic IP DSL account at home.  I had looked at www.tzo.com too
>but have no experience with them.
>
>A dynamic IP shouldn't be a road block for hosting a server.
>
It is a road block for use as a name server, which is an important part of what
I do with aprs.net. Also, using dynamic dns adds another delay in the
access...for example when you access www3.findu.com, you first resolve
www3.findu.com with my name server, and you get the dyndns name k4hg.homeip.net,
then you have to go to dydns to find the IP. Finally, when the IP address
changes, it takes time for the old name to flush out of the pipe. You can set
the TTL short, but not all DNS caches obey this.

Steve K4HG


---
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```

318. [aprssig] RE: 144.390

From: "Peter Summerhawk" <wypcguy@hotmail.com>
Date: Sat, 14 Dec 2002 13:18:01 -0700
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-111031-2002.12.14-15.02.49--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

```
Morning all,
I had set my tracker to one minute intervals for the tracker in the car to
be able to give a somewhat real time tracking capability for my wife driving
back and forth between states taking care of her grandmother. That way I
could track from the house where I work. I did include my email address for
an acknowlagement if a message was sent to to the unit so there was a way to
communicate with me for any probems. Most of the hams that sent a email said
the same thing, one minute intervals was to short an interval, change it.
How many feet per second can you cover at 75MPH and how much does your
position change at that speed? Tracking intervals for MOVING objects should
be set small to be able to track objects. I noticed that the intrval for
balloons that have the interval that are set that low are not complained
about. Mark is right about the tracking on the aprs network. Good example is
the couple that ran off the road in Coloado, they froze to death being 50
```

feet from the road and 30 feet from a farmhouse in whiteout conditions. I live in cheyenne and the snow NEVER falls straight down, it comes in sideways from the wind up here that is a the verry least a five MPH constant. If the WHOLE community could figgure out what the position report rates SHOULD be for the whole country then it might be a better place.

Just my opinion on the matter.
Peter- N0WRE

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319. [aprssig] Re: 16 bit (and larger) Telemetry

From: Henk de Groot <henk.de.groot@hetnet.nl>
Date: Sat, 14 Dec 2002 21:39:47 +0100
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: TAPR APRS Special Interest Group <aprssig@lists.tapr.org>
Message-ID: <LYR842-111041-2002.12.14-15.38.55--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Hello Steve,

At 18:18 11-12-02 -0500, Steve Dimse wrote:
>I should have mentioned DIGI_NED, as I was aware of their tranmitting this
>format, however the two people that I corresponded to about this informed me
>that they did not use the coefficients, only the labels. Looking at the parsed
>values on James site, this appears to be unchanged. Is there some reason that
>you do not use the coeffient formula to, for example, scale the SWR to the
>"usual" decimal number?

Well, the digis PI1APA and PI1APK have only a very simple binary interface, so the VSWR is only "good" or "too high". With the telemetry interface you can have analog inputs (or someone can make it themselfs, the interface to the LPT port is extreemly simple). You can fill in the equations; nice thing is that DIGI_NED also not only sends the equations but also uses these itself! You can ask the digi for the value of a telemetry signal with query "?tlm A1". As response the digi gives the value of the A1 (first analog) input, for example "Battery 12.5 volt". The label "Battery", unit "volt" and the equation to scale the input to "12.5" are all read from the same beacon data as is transmitted on air. DK5JG used the equations in his termometer experiment.

>Also, these two told me that they specifically set the path on these
>packets so
>that they would not reach the APRS IS, as they felt this was internal
>information, and did not wish it shared. Indeed, for both of these stations in

Oh, that has nothing to do with not wanting to get to the IS an share it, more like what load on the APRS QRG is acceptable for telemetry. This telemetry is funny with these messages that a station sends to itself to inform other stations about coefficients, labels, units and bits. When it would be send with the same paths as beacons we would get a lot of complaints about why we transmit something that looks like junk to an uninformed person. So we restrict it such that is reaches the people locally who actually use it and who are close enough to be able to explain what it is.

As you said, what is the meaning, even with the labels and units. So we just don't want to litter the QRG with this. Unfortunately there is no near-by IS gate so most of the time the telemetry will not reach it.

When there would be more clients which support telemetry according to the APRS Spec then it may be worthwile to expand the path to a bigger audience. Currently I think only APRSDOS and maybe UIview with a propper plugin support it. I monitor the telemetry in a telnet screen that runs 'listen' and a simple AWK program. Xastir would be a nice candidate to add propper telemetry support.

We have some crazy hardware ideas too. For example make a led bar for displaying the binary values and analog meters to show the analog values so you have all the measurements of the digi right in front of you in the shack, using normal meters and status leds.

Once we used one of the analog values as visit counter at a Ham fair, so you could see realtime how many visitors passed and with a demonstration TH-D7 we could send "?tlm A1" and get the response "PWGN 138 visitors" for example. You could also see the number of visitors in the last hour.

Unfortunatly the visitor detector didn't work (light with mirror and
detector), the pathway was too wide and the detector did not receive enough
light to give pluses to count.

Anyway, fun stuff with 1001 applications. Today with the DOS version you
can start QBASIC programs and have its output transmitted (and with Linux
you can start executables, but for Linux much more is possible anyway). We
have an active ham who is experimenting with automatic RDF measurements.
But you can also use it for the propriatry 16 bit telemetry format.

Kind regards,

Henk.

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Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

---

320. [aprssig] Re: Direct TV DSL SK

From: Neil Johnson <njohnsn@iowatelecom.net>
Date: Sat, 14 Dec 2002 18:24:37 -0600
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: TAPR APRS Special Interest Group <aprssig@lists.tapr.org>
Message-ID: <LYR842-111076-2002.12.14-19.09.57--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

On Saturday 14 December 2002 12:48 pm, Steve Dimse wrote:
> >A dynamic IP shouldn't be a road block for hosting a server.
>
> It is a road block for use as a name server, which is an important part of
> what I do with aprs.net. Also, using dynamic dns adds another delay in the
> access...for example when you access www3.findu.com, you first resolve
> www3.findu.com with my name server, and you get the dyndns name
> k4hg.homeip.net, then you have to go to dydns to find the IP. Finally, when
> the IP address changes, it takes time for the old name to flush out of the
> pipe. You can set the TTL short, but not all DNS caches obey this.

Check out easydns   http://easydns.com

They can manage your domain and support dynamic dns for about $50 a year/per
domain.

I have my dad's computer set up to dynamic dns to my domain so I can remotely
access it to fix problems.

I had my web server set up to do the same.

As for connectivity for people in rural area's, check out Sprint's PCS Vision
Service. If you are in there coverage area you can get a 56K - 144K
connection.

I have too co-workers who testing this out right now.

They have an unlimited data plan at $99 month using a PCMCIA PCS radio card.

You can also make it work with a higher tier PCS phone using a USB cable.

(It looks like it can cost a lot less, although there is some controversy over
whether Sprint will actually allow you to this).

(No good for findu of course).

Hopefully, DirectDSL will find some one to take over the service for you.

--
Neil Johnson, N0SFH
http://www.iowatelecom.net/~njohnsn
http://www.njohnsn.com/
PGP key available on request.

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321. [aprssig] Yaesu VX-150 2m HT on Packet/APRS?

From: "Matthew Stennett" <wa4tkg@iwon.com>
Date: Sun, 15 Dec 2002 01:07:13 -0500 (EST)
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-111112-2002.12.15-01.10.29--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

I decided I couldn't afford to let the VX-150
HT sale get away without me getting one.
(Although it is on BACK ORDER)
Anyone out there got one wired already, and
how is it? Works well?

____
Can a Web portal forever change your life?
Win up to $25 Million on iWon - click here!

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Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

322. Your confirmation is needed (ok 842)

From: Lyris <unsubscribe-confirm@lists.tapr.org>
Date: Sun, 15 Dec 2002 02:38:39 -0500
To: lyris.aprssig@tapr.org
Message-ID: <LYR842-111120-2002.12.15-02.38.39--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Your email address 'lyris.aprssig@tapr.org' has been submitted to be
unsubscribed from the 'aprssig' mailing list.

This unsubscribe command requires your confirmation that you want to be
unsubscribed.

To confirm that you do want to unsubscribe, reply to this message so that
the words "ok 842" appear somewhere on the subject line.

Make sure that your reply message is addressed to
unsubscribe-confirm@lists.tapr.org

You will receive notification that your confirmation has been received, and
that you have been unsubscribed.

If you do not want to unsubscribe, do nothing. You will be kept on the
mailing list.

```
Return-Path: <centrorelax@axtel.net>
Return-Path: centrorelax@axtel.net
Received: from mail-52.axtel.net ([200.52.12.134]) by lists.tapr.org with SMTP (Lyris Server version
3.0); Sun, 15 Dec 2002 02:38:30 -0500
Received: from centrorelax ([200.56.67.221]) by mail-52.axtel.net  with Microsoft
SMTPSVC(5.5.1877.447.44);
         Sun, 15 Dec 2002 01:54:43 -0600
From: "Centro Relax" <centrorelax@axtel.net>
To: aprssig-request
Subject:
X-Mailer: Microsoft Outlook Express 6.00.2600.0000
Reply-To: centrorelax@axtel.net
Date: Sun, 15 Dec 2002 01:45:38 -0600
Mime-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Message-ID: <0d8e94354070fc2ASINMYSWNT52MS@mail-52.axtel.net>

# Mail sent to leave-aprssig-842k was converted to these commands:
unsubscribe aprssig lyris.aprssig@tapr.org confirm
end

# This is the text of the message that triggered the action:

Return-Path: <centrorelax@axtel.net>
Received: from mail-52.axtel.net ([200.52.12.134]) by lists.tapr.org with SMTP (Lyris Server version
3.0); Sun, 15 Dec 2002 02:38:30 -0500
Received: from centrorelax ([200.56.67.221]) by mail-52.axtel.net  with Microsoft
SMTPSVC(5.5.1877.447.44);
```

Sun, 15 Dec 2002 01:54:43 -0600
From: "Centro Relax" <centrorelax@axtel.net>
To: leave-aprssig-842k@lists.tapr.org
Subject: Fuera estr�s ya !!!
X-Mailer: Microsoft Outlook Express 6.00.2600.0000
Reply-To: centrorelax@axtel.net
Date: Sun, 15 Dec 2002 01:45:38 -0600
Mime-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Return-Path: centrorelax@axtel.net
Message-ID: <0d8e94354070fc2ASINMYSWNT52MS@mail-52.axtel.net>

Hola:

Te invitamos a conocer nuestras terapias , y si no te gusta nuestro servicio NO PAGAS!! Promoci�n valida todo el mes de Diciembre.
Al Sur.
Centro Relax
Av. Patriotismo 888-b
Col. Insurgentes Mixcoac
Tel. 8500-5000

Al Poniente
Bosques Massage
Av. Stim No. 101 Interior 2
Col. Lomas del Chamizal
Tel. 8595-5886
http://www.centrorelax.com.mx
Servicios:
Masaje Antiestr�s Ejecutivo
Se realiza por todo el cuerpo. Es un tratamiento suave que se realiza con el paciente desnudo o en ropa interior c�moda y que ayuda a descargar todas las tensiones acumuladas. Es un masaje que se puede realizar en cualquier momento y que resulta muy agradable para quien lo recibe.
Precio Normal $ 375.00
Promoci�n $ 250.00

Masaje Reductivo
Es un masaje reductivo donde se trabajan las zonas con mayor cantidad de grasa, produciendo calor con movimientos especiales que ayudan a disolver las grasas.
Precio Normal $ 2,200.00
Promoci�n $ 1,500.00
Consta de seis sesiones

Masaje Anticelulitis
Se trata de un tipo de masaje totalmente atraum�tico, particularmente indicado en el tratamiento de la celulitis, donde ofrece excelente resultados. Su finalidad b�sica es ayudar en el retorno de la linfa, facilitando de esta forma los efectos y funciones del sistema linf�tico.
Precio Normal $ 3,800.00
Promoci�n $ 2,500.00
Consta de diez sesiones y se recomienda tomarlas en un m�ximo de 25 d�as.

Masaje a cuatro manos
Los masajes a cuatro manos le hacen sentirse a uno estupendamente, suponen un b�lsamo para la piel y aportan un relax total.
Precio Normal $ 750.00
Promoci�n $ 500.00

Masaje para parejas.
El cual tomaras en un cub�culo doble en donde t� y tu pareja disfrutaran de un magnifico masaje relax sin perderse de vista el uno del otro, comparte con esa persona especial este momento inolvidable.
Precio Normal $ 750.00
Promoci�n $ 500.00

Estamos a tus �rdenes de Lunes a S�bado de 10 a 21 horas.
Al Sur.
Centro Relax
Av. Patriotismo 888-b
Col. Insurgentes Mixcoac
Tel. 8500-5000

Al Poniente
Bosques Massage
Av. Stim No. 101 Interior 2
Col. Lomas del Chamizal
Tel. 8595-5886

http://www.centrorelax.com.mx
TE ESPERAMOS Y RECUERDA SI NO TE GUSTA, NO PAGAS !!

Si no desea recibir esta informaci�n mande un mail en blanco a bajas@centrorelax.com.mx

323. [aprssig] UI-VIEW TActical Display

From: "Andrew Rich" <andrew.rich@bigpond.com>
Date: Sun, 15 Dec 2002 18:03:25 +1000
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: "Peter and Heather" <heathernpeter@dnet.aunz.com>
Message-ID: <LYR842-111121-2002.12.15-02.49.02--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

I was at a mesuem the other day and saw a radar tactical display.

I thought to myself there is no reason why UI-VIEW could not look the same.

I turned my map to black, and set the symbols to something compatible.

I came up with this :-
[Attachment: tact.JPG; image/jpeg; 4,934 bytes]

324. [aprssig] Re: Direct TV DSL SK

From: "Matthew C. Payne" <kb9uje@qsl.net>
Date: Sun, 15 Dec 2002 05:54:20 -0500 (EST)
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-111124-2002.12.15-05.39.49--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

This is true. DynDNS has been fairly reliable. I have used it for a couple of years, and I know others who have also. I have never witnessed any problems with the service.

Steve, what is the lease time on the Earthlink IP addresses? I know someone who has had a cable modem for over a year with a service that offers only dynamic IP addresses. His IP has never changed, becuase his computer has never been powered down for more than the time that the lease specified.

Not having a static IP may not be an issue for you.

Matt

Harry Burford said:
> I can't offer a site, but I do recall a former co-worker having great
> success at www.dyndns.com with providing him a method of hosting a
> server on his Verizon dynamic IP DSL account at home. I had looked at
> www.tzo.com too but have no experience with them.
>
> A dynamic IP shouldn't be a road block for hosting a server.
>
> Harry, KA0TTY

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325. (no subject)

From: (unknown sender)
Date: (date unavailable)
Rendered body type: text/plain

WVudDyeEAAJgAAA/wME
AF9FdmFsdWF0ZRjZEAAGAE5vcm1hbN/YEAAGhAgA/wMEAE9mZmljZRV1EAAHBFByb2plY3Qt
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//8YAv////////////////////////////8IABAAAAABABIAAAAAAAAAAAAAAAAAAAAAAAAA

```
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AG0AZQBuAHQAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAASUQ9InsyNzI1ODYyOC1GNzYw
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RQBDAFQAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAA
AAAQAAIBBwAAAAsAAAD/////AAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAA
PwAAAEoBAAAAAAAAAQBDAG8AbQBwAE8AYgBqAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAA
AAAAAAAAAAAAAAAAAAAAAAAAAAAAABIAAgD///////////////8AAAAAAAAAAAAAAAAAAAAA
AAAAAAAAAAAAAAAAAAAAAAAAABFAAAAagAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAA
AAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAP//////////
/////wAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAA
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AAAAAAAAAAAAAAAAAAAAAAAAbnQvJkgwMDAwMDAwMA0KTmFtZT0iUHJvamVjdCINCkhlbHBD
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dCBXb3JkIERvY3VtZW50AAoAAABNU1dvcmREb2MAEAAAAFdvcmQuRG9jdW1lbnQuOAD0ObJx
AAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAA
AAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAA=9
--RH8esf4tKk3lkC--
```

---

326. [aprssig] APRS weather station question

From: "K4MQF" <k4mqf@direcway.com>
Date: Sun, 15 Dec 2002 11:53:22 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-111173-2002.12.15-11.38.38--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

I am looking at a weather station for home and yes I am pinching pennies
like anyone else.
I am looking at the Lacrosse WS2310 station
complete with software and all sensors. Has anyone tried to interface one to
a KPC3 TNC for a weather APRS system ?

Mike K4MQF

---
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---

327. [aprssig] Re: APRS weather station question

From: "Russ Chadwick" <kb0tvj@peakpeak.com>
Date: Sun, 15 Dec 2002 17:18:35 -0000
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: <windy@ps.gen.nz>
Message-ID: <LYR842-111175-2002.12.15-12.04.02--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Mike,

With the Lacrosse WS2310 weather station and the Weather-Display software
described here

http://www.weather-display.com/

you can send weather data to APRSWXNET/Citizen Weather Observer Program via
the internet. See link below.

Russ Chadwick   KB0TVJ
Boulder, Colorado
www.wxqa.com

```
----- Original Message -----
From: "K4MQF" <k4mqf@direcway.com>
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Sent: Sunday, December 15, 2002 4:53 PM
Subject: [aprssig] APRS weather station question


> I am looking at a weather station for home and yes I am pinching pennies
> like anyone else.
> I am looking at the Lacrosse WS2310 station
> complete with software and all sensors. Has anyone tried to interface one
to
> a KPC3 TNC for a weather APRS system ?
>
> Mike K4MQF
>
>
> ---
> You are currently subscribed to aprssig as: kb0tvj@peakpeak.com
> To unsubscribe send a blank email to leave-aprssig-842K@lists.tapr.org
> Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org
>
>



---
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Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org
```

328. [aprssig] N+1 power supplies

From: "Bob D." <n2iph@comcast.net>
Date: Sun, 15 Dec 2002 12:19:57 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-111176-2002.12.15-12.05.39--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

```
Anybody remember the name of the manufacturer of the N+1 power
supplies that Radio Shack was selling about a year ago? Couldn't find
any info on their site, or in the manuals download section.

Also, if you have or had one of these, any pros/cons or other
experience would be appreciated.

You can send to me off list if you think this is too far off-topic,
but it is for a remote APRS digi installation.

Bob D.
N2IPH @ qsl.net



---
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```

329. [aprssig] WAPaprs - APRS on a cell phone updated

From: Richard Parry <rich@hercomputer.net>
Date: Sun, 15 Dec 2002 09:44:46 -0800
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-111177-2002.12.15-12.30.06--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

```
WAPaprs - APRS on a cell phone

I have made some changes to WAPaprs, see the URL below for details, enjoy!

http://w9if.net/cgi-bin/wapaprs/web_main.pl

W9IF


---
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To unsubscribe send a blank email to leave-aprssig-842K@lists.tapr.org
Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org
```

330. [aprssig] Re: Direct TV DSL SK

From: Steve Dimse <k4hg@tapr.org>
Date: Sun, 15 Dec 2002 12:48:09 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: TAPR APRS Special Interest Group <aprssig@lists.tapr.org>
Message-ID: <LYR842-111178-2002.12.15-12.33.28--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

```
On 12/15/02 at 5:54 AM kb9uje@qsl.net (Matthew C. Payne) sent:

>This is true.  DynDNS has been fairly reliable.  I have used it for a
>couple of years, and I know others who have also.  I have never witnessed
>any problems with the service.
>
>Steve, what is the lease time on the Earthlink IP addresses?  I know
>someone who has had a cable modem for over a year with a service that
>offers only dynamic IP addresses.  His IP has never changed, becuase his
>computer has never been powered down for more than the time that the lease
>specified.
>
>Not having a static IP may not be an issue for you.
>
As I said, it is an issue, because you cannot run a name server on a dynamic IP,
and because of name server cache flushing. I do not know about earthlink, but my
bellsouth dsl in the Keys rarely goes 3 days without an IP change, and sometimes
goes through several in a day.

Steve K4HG

---
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Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org
```

331. [aprssig] RE: N+1 power supplies

From: "Mark Fellhauer" <sparkfel@qwest.net>
Date: Sun, 15 Dec 2002 12:07:16 -0600
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-111179-2002.12.15-12.52.45--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

```
At 11:19 AM 12/15/02, Bob D. wrote:
>Anybody remember the name of the manufacturer of the N+1 power
>supplies that Radio Shack was selling about a year ago? Couldn't find
>any info on their site, or in the manuals download section.
>
>Also, if you have or had one of these, any pros/cons or other
>experience would be appreciated.

I wasn't even aware Radio Shack sold N+1 power supplies...

I know their current (pardon the pun) crop of 12 volt power supplies bear a
striking resemblence to Samlex.  But I don't think they make a computer (?)
power supply.

Mark
KC7BXS



---
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```

332. [aprssig] Re: Direct TV DSL SK

From: Steve Dimse <k4hg@tapr.org>
Date: Sun, 15 Dec 2002 13:54:56 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: TAPR APRS Special Interest Group <aprssig@lists.tapr.org>
Message-ID: <LYR842-111180-2002.12.15-13.40.15--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

```
On 12/14/02 at 6:24 PM njohnsn@iowatelecom.net (Neil Johnson) sent:

>On Saturday 14 December 2002 12:48 pm, Steve Dimse wrote:
>> >A dynamic IP shouldn't be a road block for hosting a server.
>>
```

```
>> It is a road block for use as a name server, which is an important part of
>> what I do with aprs.net. Also, using dynamic dns adds another delay in the
>> access...for example when you access www3.findu.com, you first resolve
>> www3.findu.com with my name server, and you get the dyndns name
>> k4hg.homeip.net, then you have to go to dydns to find the IP. Finally, when
>> the IP address changes, it takes time for the old name to flush out of the
>> pipe. You can set the TTL short, but not all DNS caches obey this.
>
>Check out easydns  http://easydns.com
>
>They can manage your domain and support dynamic dns for about $50 a year/per
>domain.

I don't think you understand. I manage my own domains (10 of them), providing
service to many people on aprs.net and other domains. I do not want or need a
commercial service to do this. You CANNOT run a nameserver on a dynamic IP.
>
>I have my dad's computer set up to dynamic dns to my domain so I can remotely
>access it to fix problems.
>
>I had my web server set up to do the same.
>
I'm very familiar with dyanamic DNS, 4 years ago I wrote the Mac client for
dynip.com, and I currently use dyndns.org to have my Keys server respond to
keys.findu.com and www3.findu.com. If this were reliable enough, that would be
the backup findU server. However, my testing shows that it is not. There is a
difference between using dynamic dns for a rarely used web server and one that
generates 100,000 page-views a day. Every time the IP changes, it takes 30
minutes to 24 hours for the name server caches to clear (some servers ignore the
TTL specified by the  name record, and simply set their own, up to 24 hours).
This is not acceptable for findu.

How bad this is will become clear to people if my DSL connection dies before Guy
gets off his butt and gets the new server running, the Keys box will be the only
findU machine up until I get the old box moved. On that count, let me mention
that I've had many generous offers, and do not need any more, thanks to all. If
findU does go down, it will be a temporary thing, only lasting a couple of days
while I fedex the machine to its new home.

Steve K4HG

---
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```

333. [aprssig] Re: Direct TV DSL SK

From: Steve Dimse <k4hg@tapr.org>
Date: Sun, 15 Dec 2002 14:07:08 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: TAPR APRS Special Interest Group <aprssig@lists.tapr.org>
Message-ID: <LYR842-111181-2002.12.15-13.52.30--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

```
On 12/14/02 at 7:40 PM jon@snoopy.net (Jon Anhold) sent:

>What are the bandwidth requirements for findu?
>
Less than T1 (after all it lives now on 256k uplink on the DSL, but it
definitely makes it hard to use the DSL line for other purposes, often the
uplink is significantly slowed). It would use enough of a T1 to affect other
use, much less liekly to cause problems if on a fatter pipe. I've already got
enough offers from well connected sites, thanks!

Steve K4HG

---
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```

334. [aprssig] Re: Direct TV DSL SK

From: "Jon Anhold" <jon@snoopy.net>
Date: Sun, 15 Dec 2002 14:48:33 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-111183-2002.12.15-14.35.01--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

```
Well, let me know. The place that houses third might be willing.

-j

----- Original Message -----
From: "Steve Dimse" <k4hg@tapr.org>
To: "Jon Anhold" <jon@snoopy.net>
Cc: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Sent: Sunday, December 15, 2002 2:07 PM
Subject: Re: [aprssig] Re: Direct TV DSL SK


> On 12/14/02 at 7:40 PM jon@snoopy.net (Jon Anhold) sent:
>
> >What are the bandwidth requirements for findu?
> >
> Less than T1 (after all it lives now on 256k uplink on the DSL, but it
> definitely makes it hard to use the DSL line for other purposes, often the
> uplink is significantly slowed). It would use enough of a T1 to affect
other
> use, much less liekly to cause problems if on a fatter pipe. I've already
got
> enough offers from well connected sites, thanks!
>
> Steve K4HG
>



---
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```

335. [aprssig] WinAPRS Help

From: "Reid Crowe" <kc0idi@techie.com>
Date: Sun, 15 Dec 2002 15:01:21 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-111186-2002.12.15-14.46.41--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

```
WinAPRS is not reciveing data from my KamPlus but pacterm is.  Any ideas?

73 de KC0IDI
------------------------
Please reply to kc0idi@arrl.net

--
___________________________________________________________
Sign-up for your own FREE Personalized E-mail at Mail.com
http://www.mail.com/?sr=signup

Meet Singles
http://corp.mail.com/lavalife


---
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```

336. [aprssig] Re: Direct TV DSL SK

From: Neil Johnson <njohnsn@iowatelecom.net>
Date: Sun, 15 Dec 2002 19:20:53 -0600
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: TAPR APRS Special Interest Group <aprssig@lists.tapr.org>
Message-ID: <LYR842-111205-2002.12.15-20.06.01--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

```
On Sunday 15 December 2002 12:54 pm, Steve Dimse wrote:
> On 12/14/02 at 6:24 PM njohnsn@iowatelecom.net (Neil Johnson) sent:
> >
> >Check out easydns  http://easydns.com
> >
> >They can manage your domain and support dynamic dns for about $50 a
> > year/per domain.
>
> I don't think you understand. I manage my own domains (10 of them),
> providing service to many people on aprs.net and other domains. I do not
> want or need a commercial service to do this. You CANNOT run a nameserver
```

> on a dynamic IP.

Yes, I understand what you are doing. I administer 2 DNS servers (1 internal and 1 external) at work and I chose to use easyDNS at home for precisely that reason. My DSL service provides dynamic IP's, although the address only seems to change if I change the MAC address of my ethernet interface (say swapping routers, or temporarily connecting my system directly to the internet to debug a problem).

> I'm very familiar with dyanamic DNS, 4 years ago I wrote the Mac client for
> dynip.com, and I currently use dyndns.org to have my Keys server respond to
> keys.findu.com and www3.findu.com. If this were reliable enough, that would
> be the backup findU server. However, my testing shows that it is not. There
> is a difference between using dynamic dns for a rarely used web server and
> one that generates 100,000 page-views a day. Every time the IP changes, it
> takes 30 minutes to 24 hours for the name server caches to clear (some
> servers ignore the TTL specified by the name record, and simply set their
> own, up to 24 hours). This is not acceptable for findu.

Okay, you've got me there. That sucks (overriding the TTL, although I can see the reasons why someone might do that).

> How bad this is will become clear to people if my DSL connection dies
> before Guy gets off his butt and gets the new server running, the Keys box
> will be the only findU machine up until I get the old box moved. On that
> count, let me mention that I've had many generous offers, and do not need
> any more, thanks to all. If findU does go down, it will be a temporary
> thing, only lasting a couple of days while I fedex the machine to its new
> home.

Good to hear.

What are the problems Guy is having getting the new box setup ?
Has he asked for help ?

--
Neil Johnson, N0SFH
http://www.iowatelecom.net/~njohnsn
PGP key available on request.

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---

337. [aprssig] Re: Direct TV DSL SK

From: Steve Dimse <k4hg@tapr.org>
Date: Sun, 15 Dec 2002 20:32:36 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: TAPR APRS Special Interest Group <aprssig@lists.tapr.org>
Message-ID: <LYR842-111208-2002.12.15-20.17.56--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

On 12/15/02 at 7:20 PM njohnsn@iowatelecom.net (Neil Johnson) sent:

>What are the problems Guy is having getting the new box setup ?
>Has he asked for help ?

Last posting on the subject more than a month ago, November 3. They simply do not have time, I sent them all the pieces and the instructions to get the parser running. An offer to do the configuration a few weeks ago I forwarded to them from a ham with excellent experience, APRS credibility and the time to make it happen quickly went unanswered, as have a couple messages since the news on Friday.

Given the time pressure, I have asked that if they do not have the time to get it going this week, they either release the machine to someone that can make it happen, or provide me with the passwords so I can configure the machine. Not a peep so far...

Steve K4HG

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338. [aprssig] Re: Re LaCrosse Technology Wireless WX Station

From: "Michael Lussier" <k4mqf@direcway.com>
Date: Sun, 15 Dec 2002 19:37:37
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-111209-2002.12.15-20.22.57--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

```
On 12/10/02, ""Mark Fellhauer" <sparkfel@qwest.net>" wrote:
> At 04:14 AM 12/9/02, J.Duffy Beischel wrote:
>
> >The Frontgate catalog shows a complete (Thermo/Hygrometer/Wind/Rain
> >Gauge)wireless WX station for only $249 and made by La Crosse Technology.
> >Anyone have any experience with this unit and interfacing it to APRS?
>
> How do you intend to interface it?  It doesn't appear to have a computer
> interface.   I can't even find a comparable model on the La Crosse web page.
>
> http://www.lacrossetechnology.com/products.html
>
>
> 73,
>
> Mark
> KC7BXS

Mark,

I am getting ready to do just that but with the WS2310 lacrosse model. I'll
keep you informaed as to how it goes. I choose the WS2310 since it had the
rs232 port and it was 239 with free shipping :) when I got it.

Mike K4MQF



---
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```

---

339. [aprssig] Re: soundcard APRS? MixW is a great softmodem!

From: WA8LMF2@aol.com
Date: Mon, 16 Dec 2002 00:44:42 EST
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-111239-2002.12.16-00.30.15--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

```
In a message dated 12/14/2002 9:40:18 AM Pacific Standard Time,
milnes1@rcn.com writes:

> I'm not doubting you, but what criteria were you using to say MixW
>  outperforms AGWPE (a software TNC)? That it's more tolerant of   various
>  sound cards (as you say below) or were implying it does a better job of
>  hearing and decoding?

I have compared the programs by running the two in two computers side by side
decoding the same audio from the same receiver at the same time.   Mix
consistantly decodes many (weak, not fully quieted or distorted) packets that
AGW won't touch.   It's also much less fussy about audio input level to the
sound card.

>  Is it also not true that MixW requires a $50 registration fee? AGWPE is
>  free. It could well be that MixW is better for some users, but if you can
>  make AGWPE work, you save $50.

Yes, Mix is shareware but it is a complete program that operates practically
EVERY mode possibile on a sound card (PSK31, RTTY, CW, SSTV, MT63  and other
many new digital modes, etc) , provides frequency control for CAT-compatible
radios (you can tune the transceiver with the scroll wheel on a wheel mouse),
has an internal logging system, generates great circle world maps centered on
your QTH showing beam heading when you enter the call of a station to answer,
functions as either a keyboard-based CW keyer or can handle a paddle
connected to the game port, .    It is far more than just a sound card
"driver" for packet like AGW.
     On HF packet, the waterfall display makes it infinitely easier to tune
in brief packet bursts (you can click on the trail on the waterfall display
AFTER a packet burst is finished and be ready for the next one) compared to
the trial and error tuning of the radio required by AGW or a hardware TNC
with fixed tone freqs.
```

> It also sounds like you need 2 physical serials ports to make MixW work on
> a Win9X system (your next paragraph). Yes? That seems like another
downside
> to MixW compared to AGWPE

True.. There are rumors that the MixW team is working on a virtual comport
bridge similar to the one for Win 2K.

> And MixW is not TCP/IP network compatible. Yes?

It has some sort of TCP/IP I/O function but I haven't played with it yet.

> Might be important for
> those who want to have more than one program connect to the modem or for
> those that want to have one program connect to more than one radio/modem.
>

```
Stephen H. Smith                  wa8lmf @ aol.com
Home Page:                                        http://wa8lmf.com
Ham Radio/Mobile SSTV page:     http://members.aol.com/wa8lmf/ham
APRS Stuff
http://members.aol.com/wa8lmf/aprs

|    Radio Communications Systems       Personal Computers
|                Consulting and Systems Integration
|    GPS Custom Mapping    &     Radio Coverage Surveys
|    File Conversions       MS-Windows Setups       Networking
```

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---

340. [aprssig] Re: soundcard APRS? MixW is a great softmodem!

From: "hasan schiers" <schiers@netins.net>
Date: Mon, 16 Dec 2002 06:48:59 -0600
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-111255-2002.12.16-07.34.30--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

I can confirm Steve's findings. I have done the same kind of test with the same kind of results. MixW32 is more resistant to noise and multipath. I compared it to:

PacComm Tiny2
PacComm Pico
PK-232 MBX
DSP 2232 (AEA)
MFJ-1270 with DCD mod

I fed the same audio into the MixW32 sound card and the tncs (one at a time, of course), after optimizing the audio level to the TNC's for best decoding.

I then kept track of performance in the following way:

How many packets from ISS or PCsat did MixW32 display that were not
displayed by the hardware tncs?
Quite a few.

How many packets from ISS or PCsat did the hardware tnc's display that
MixW32 did not?
Hardly any.

Seems like a fair test to me. And...no I didn't do a statistical study, but the results were quite obvious.

Somehow the authors of MixW32 have succeeded in getting the sound card to out perform hardware tncs at 1200 baud, at least for the limited sample of ISS and PCsat.

As they say, "Your mileage may vary"...but Steve's and mine didn't. <grin>

....hasan, N0AN

----- Original Message -----
From: <WA8LMF2@aol.com>
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Sent: Sunday, December 15, 2002 11:44 PM

Subject: [aprssig] Re: soundcard APRS? MixW is a great softmodem!

> In a message dated 12/14/2002 9:40:18 AM Pacific Standard Time,
> milnes1@rcn.com writes:
>
> > I'm not doubting you, but what criteria were you using to say MixW
> > outperforms AGWPE (a software TNC)? That it's more tolerant of
various
> > sound cards (as you say below) or were implying it does a better job of
> > hearing and decoding?
>
> I have compared the programs by running the two in two computers side by
side
> decoding the same audio from the same receiver at the same time.   Mix
> consistantly decodes many (weak, not fully quieted or distorted) packets
that
> AGW won't touch.   It's also much less fussy about audio input level to
the
> sound card.
>
> > Is it also not true that MixW requires a $50 registration fee? AGWPE is
> > free. It could well be that MixW is better for some users, but if you
can
> > make AGWPE work, you save $50.
>
> Yes, Mix is shareware but it is a complete program that operates
practically
> EVERY mode possibile on a sound card (PSK31, RTTY, CW, SSTV, MT63 and
other
> many new digital modes, etc) , provides frequency control for
CAT-compatible
> radios (you can tune the transceiver with the scroll wheel on a wheel
mouse),
> has an internal logging system, generates great circle world maps centered
on
> your QTH showing beam heading when you enter the call of a station to
answer,
> functions as either a keyboard-based CW keyer or can handle a paddle
> connected to the game port, .   It is far more than just a sound card
> "driver" for packet like AGW.
>   On HF packet, the waterfall display makes it infinitely easier to
tune
> in brief packet bursts (you can click on the trail on the waterfall
display
> AFTER a packet burst is finished and be ready for the next one) compared
to
> the trial and error tuning of the radio required by AGW or a hardware TNC
> with fixed tone freqs.
>
> > It also sounds like you need 2 physical serials ports to make MixW work
on
> > a Win9X system (your next paragraph). Yes? That seems like another
> downside
> > to MixW compared to AGWPE
>
> True.. There are rumors that the MixW team is working on a virtual
comport
> bridge similar to the one for Win 2K.
>
> > And MixW is not TCP/IP network compatible. Yes?
>
> It has some sort of TCP/IP I/O function but I haven't played with it yet.
>
> > Might be important for
> > those who want to have more than one program connect to the modem or
for
> > those that want to have one program connect to more than one
radio/modem.
> >
>
> Stephen H. Smith   wa8lmf @ aol.com
> Home Page: http://wa8lmf.com
> Ham Radio/Mobile SSTV page: http://members.aol.com/wa8lmf/ham
> APRS Stuff
> http://members.aol.com/wa8lmf/aprs
>
> | Radio Communications Systems   Personal Computers
> | Consulting and Systems Integration

```
> |    GPS Custom Mapping    &     Radio Coverage Surveys
> |    File Conversions       MS-Windows Setups       Networking
>
>
> ---
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>
```

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Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

341. [aprssig] PCSat/ISS passes

From: Dave Kaplan <dkaplan@steffeninc.com>
Date: Mon, 16 Dec 2002 07:00:11 -0600
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-111256-2002.12.16-07.45.34--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Can someone point me to a web page that will predict passes (giving az/el)
of ISS and PCSat (assuming it is still alive) from Dec 20th through Dec
30th at N26.45.02 W77.23.98

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Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

342. [aprssig] FM Satellites week of 16 Dec 2002

From: Bob Bruninga <bruninga@usna.edu>
Date: Mon, 16 Dec 2002 09:43:18 -0500 (EST)
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: TAPR APRS SIG <aprssig@lists.tapr.org>
Message-ID: <LYR842-111273-2002.12.16-09.28.45--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

PCsat is still fully functional even though it is in maximum eclipse
cycles, so it should support your Holiday Travels just fine thanks to
several command stations (WB4APR, G6LVB, W4EPI, VK2XGJ, ZL1AOX, ZR1CBC,
N6CO, ZR1FN and others making sure the 72 hour failsafe timer remains
toggled at least once every 3 days). Here are the pass periods for this
week for your mobile satellite operations...

```
Sats 06 07 08 09 10 11 12 13 14 15 16 17 18 19 20 21 22 23 00 01 02 03
---- -- -- -- -- -- -- -- -- -- -- -- -- -- -- -- -- -- -- -- -- -- --
AO27   **********                      ***********
UO14     **********                       ***********
AO16       ***********                       **********
ISS          ** *************************** *
UO22 ****                       **********
PCSAT *************                              ****************
AO-7    ** ***** *******               **** ** ***** **
Note:  Times are LOCAL SUN TIME for MID Northern Latitudes.


SOUTHERN Hemisphere pass times:

Sats 06 07 08 09 10 11 12 13 14 15 16 17 18 19 20 21 22 23 00 01 02 03
---- -- -- -- -- -- -- -- -- -- -- -- -- -- -- -- -- -- -- -- -- -- --
AO27 *********                            ***********
UO14   **********                            ***********
ISS                                             **********************
UO22                               **********                       **
PCSAT         *************            * *************
AO-7   **********                           * ********** **
Note:  Times are LOCAL SUN TIME for MID Southern Latitudes.


SAT  CALL     UPLINK                 DONWLINK              MODE       Altd
---- -------  ---------------------  -----------------  -  ---------- ----
AO-7          145.9  -432.15    LSB  145.97 29.502 USB  B  Analog     1450
AO10          435.03 -435.18    LSB  145.975-.825  USB  B  Analog     9000
UO11          none              ..   145.825       AFSK V  1200 ASCII  650
```

```
AO40          435.700           LSB  145.898       USB  B  Beacon     9000
ISS           144.49            FM   145.800       FM   V  Voice       370
ISS  RS0ISS   145.99            FM   145.800       AFSK V  1200 bd     370
RS13          145.96 -145.99    LSB   29.460-.50   USB  A  Analog      950
UO14          145.975           FM   435.070       FM   J  Voice       790
RS15          145.858-145.898   LSB   29.380 cntr  USB  A  Analog     2000
AO16 PACSAT-1 145.90,92,94,96   Man  437.051       USB  J  1200 PSK    810
LO19 LUSAT-1  145.84,86,88,90   Man  437.126       USB  J  1200 PSK    805
IO26 ITMSAT-1 145.875,90,925,95 Man  435.822       USB  J  1200 PSK    810
FO20          145.900-145.600   LSB  435.800-.900  USB  J  Analog     1300
FO29          145.900-145.600   LSB  435.800-.900  USB  J  Analog     1050
FO29          145.85,87,91      FSK  435.910       FSK  J  9600 JD    1050
UO22 UOSAT5   145.900           FSK  435.120       FSK  J  9600 BBS    760
KO25 HL02     145.980           FSK  436.502       FSK  J  9600 BBS    760
AO27          145.85    inop    FM   436.798       FM   J  Voice days  810
SO41          145.85            FM   436.775       FM   J  Voice       790
OPAL KF6RFX   437.100           FSK  437.100       FSK  U  9600 digi   815
NO44 W3ADO-1  145.825 days only AFSK 145.828       AFSK V  1200 bd     805
STARSHINE     145.825   inop    FSK  145.825       FSK  V  9600 bd     440
NO45 KE6QMD   145.945 beeps onlyAFSK 437.095       AFSK J  1200 bd     804
```

AO-7 is not an FM satellite, but I included it here because of its popularity...

de WB4APR, Bob

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343. [aprssig] Re: PCSat/ISS passes

From: "Mark Fellhauer" <sparkfel@qwest.net>
Date: Mon, 16 Dec 2002 09:07:45 -0600
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-111274-2002.12.16-09.53.12--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

At 07:00 AM 12/16/02, Dave Kaplan wrote:

>Can someone point me to a web page that will predict passes (giving az/el)
>of ISS and PCSat (assuming it is still alive) from Dec 20th through Dec
>30th at N26.45.02 W77.23.98
>

http://www.heavens-above.com/

73,

Mark
KC7BXS

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344. [aprssig] RE: "1200 baud VHF Packet" via Repeaters?

From: <BobDonnell@arkalmus.com>
Date: Mon, 16 Dec 2002 09:27:54 -0800
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-111288-2002.12.16-12.13.18--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

1200 baud packet has been being done through repeaters dedicated to it here in the Seattle area for over 15 years. On "conventional" voice repeaters, the ability to be used may depend on use of sub-audible tone equipment, the delays of which will increase the TXDELAY your station needs to use to cause the repeater to recognize a signal it should pass. Also, some repeaters have squelch tail eliminators built in. These usually act by delaying the repeater audio, and switching that audio path off as soon as the digital signal from the squelch circuit detects that there is no longer a signal coming into the receiver. Since the audio circuit is disconnected before the squelch noise burst has propagated through the delay, the squelch tail is eliminated. This can easily affect packet, because most TNCs are configured to unkey the radio as soon as the last bits of the end-of-frame marker are transmitted. Unless the delay of the received audio very closely matches the delay of the squelch circuit, the last few bits of the packet will also still be in the audio delay at the point when the audio path switch is operated. On all the TNCs I've studied, this behavior can be altered by a setting known on some as

TXTail. This sets a timer in the TNC that determines how long to wait to unkey the transmitter after the last of the data is transmitted. This technique has been tested on a few repeaters in this area that have the audio delay circuitry I've described.

73, Bob, KD7NM

>-----Original Message-----
>From: bounce-aprssig-17768@lists.tapr.org
>[mailto:bounce-aprssig-17768@lists.tapr.org]On Behalf Of Al
>Sent: Saturday, December 14, 2002 7:40 AM
>To: TAPR APRS Special Interest Group
>Subject: [aprssig] "1200 baud VHF Packet" via Repeaters?
>
>
>This discussion group has raised the issue of SSTV via repeaters but:
>
>Have any tests been done to determine how well "1200 baud Standard VHF
>Packet" goes through repeaters? Then the extension to that is
>how well it
>would work when repeaters are linked using IRLP? Al
>
>
>
>---
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>wa1lou@tapr.org
>
>

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---

345. [aprssig] Re: soundcard APRS? MixW is a great softmodem!

From: WA8LMF2@aol.com
Date: Mon, 16 Dec 2002 13:20:53 EST
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-111290-2002.12.16-13.06.24--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

In a message dated 12/16/2002 1:40:59 AM Pacific Standard Time, wes@johnston.net writes:

> This is very interesting, thanks for info... does this work with aprs
> clients?

Yes. I have used it with APRSplus, APRSpoint and UI-View. As I mentioned in the previous posts, MixW does a KISS TNC emulation; it can output received data to a serial port at the same time it is displaying packets on it's internal window. You then set up the APRS client to expect a KISS TNC on a second serial port either on the same or a different PC. Connect the two ports together with a cross-over (null-modem) serial cable.

If you are running Windows 2000 or XP, you don't need to use any serial ports at all!   An add-on component (the Mix Serial Port Bridge driver) simulates a pair of "virtual" serial ports cross-connected. You then set Mix to use one of the virtual ports and the APRS client (or any other packet using app such as a DX cluster, mailbox system, etc) to use the other virtual port. [This port emulator only works with 2K and XP. Rumor has it that the Mix developement team is working on a similar emulator for Win 9x.]

You WILL have to use true 32-bit Windows apps since the older 16-bit ones normally can't access COM ports above the first 4. The Mix bridge is typically set to the higher order ports (mine is COM5 <--> COM6) to avoid conflicts with physical serial ports, modems, IR devices, etc that are already in the machine.

Stephen H. Smith   wa8lmf @ aol.com
Home Page: http://wa8lmf.com
Ham Radio/Mobile SSTV page: http://members.aol.com/wa8lmf/ham
APRS Stuff
http://members.aol.com/wa8lmf/aprs

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|    File Conversions       MS-Windows Setups       Networking
```

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346. [aprssig] Garmin RINO protocol?

From: "Darryl Smith" <Darryl@radio-active.net.au>
Date: Tue, 17 Dec 2002 09:29:48 +1100
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-111308-2002.12.16-17.19.23--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

People

Has anyone determined how to get the GPS packets that are being sent out from a Garmin RINO?

Darryl

Darryl Smith, VK2TDS   POBox 169 Ingleburn NSW 2565 Australia
Mobile Number 0412 929 634 [+61 4 12 929 634 International]
Darryl@radio-active.net.au | www.radio-active.net.au

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347. [aprssig] Laptops / APRS

From: Skip Allison <skipk9sa@ameritech.net>
Date: Tue, 17 Dec 2002 00:03:17 -0600
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-111351-2002.12.17-00.56.04--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

I'm shopping for a new laptop computer, but most of the new laptops come without RS232 ports. Has anyone tried one of the USB to RS232 converters on a TNC? GPS? Wx station? Win95? Win98? WinXP? APRS programs? Terminal programs like Procomm? Do they work? How do you setup the program? For example in WinAPRS what serial port would you tell the program your TNC was on? It only says Com1 Com2 . . .
How doed the whimpy looking USB connector hold up? What about programs like programming software for D7?

Ant recommendations for a laptop that does have RS232?

Skip
K9SA

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348. [aprssig] Re: Laptops / APRS

From: "Mike Yetsko" <myetsko@insydesw.com>
Date: Tue, 17 Dec 2002 04:36:47 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-111356-2002.12.17-04.23.01--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

> I'm shopping for a new laptop computer, but most of the new laptops come
> without RS232 ports. Has anyone tried one of the USB to RS232
> converters on a TNC? GPS? Wx station? Win95? Win98? WinXP? APRS
> programs? Terminal programs like Procomm? Do they work? How do you
> setup the program? For example in WinAPRS what serial port would you
> tell the program your TNC was on? It only says Com1 Com2 . . .
> How doed the whimpy looking USB connector hold up? What about programs
> like programming software for D7?
>
> Skip

> K9SA

OK, first off, it's NOT an issue with the USB<->Serial converters.
Well, mostly. It's SOFTWARE.

If you SOFTWARE can handle the fact that the serial port that
a USB adapter puts out there, then it should work. if it can't,
then it won't.

I just, last night, needed another serial port for my IBM Thinkpad,
so I ran to RS and picked up the USB converter cable there.
Plugged it in, and it didn't work. Why? Cause the SOFTWARE
wasn't configured for COM5. Put support for a com port number
than high in my program and it worked just fine.

Yes, there may be issues with some of the early hardware, but
really that shouldn't be an issue today.

So, don't ask if the cables work, they do. Ask if the software you
want to USE with them will work.

Now, there is a caveat... USB to Serial cables work by creating a
VIRTUAL serial port. To do that, the machine has to be in
'protected' mode. You're not going to find that (mostly) on DOS
machines. There are a few machines that have the USB support in
the BIOS, but even then, it is rare for the BIOS to support more
than keyboard or mouse on the USB.

Mike

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349. [aprssig] sub-D connector give-away

From: "Ramon F. Kolb" <ramon@ieee.org>
Date: Tue, 17 Dec 2002 08:28:11 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-111367-2002.12.17-08.13.41--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Hi,

I recently picked up a collection of sub-D connectors that I would like
to give away as I really don't use them, and they're just laying around
cluttering my shack. All of them have been used in a professional
environment as jumpers, and they all have black AMP housing with them
(with the exeption of the jumper boxes, which are off-white).

I have:
25 pins female x 1
25 pins male x 7
9 pins female x 2
9 pins male x 37
jumperbox (25 pins female - 25 pins male) x 2

Any contribution to the shipping costs would be appreciated, but for the
rest... please let me know if you can use them, and you can have them
for free.

--Ramón

Ramón F. Kolb, W1/PA3EUG, Boston, MA, USA [FN42KI].
http://beaconet.webhop.org for BEACONet Info !
ICQ-77117744; MSNMGR-legalalien30@hotmail.com

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350. [aprssig] Re: Laptops / APRS

From: "Gregg G. Wonderly" <gregg@skymaster.cytetech.com>
Date: Tue, 17 Dec 2002 08:59:24 -0600
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>

Cc: TAPR APRS Special Interest Group <aprssig@lists.tapr.org>
Message-ID: <LYR842-111383-2002.12.17-09.45.02--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

```
>Ant recommendations for a laptop that does have RS232?

HP ZE4145 I have linux and Windows XP installed on mine.  If you want to dual
boot this machine, it takes some careful partition table changes, write me for
the details.

Athelon 1.8, 512mb RAM, 40GB disk, CDRW/DVD.  Built in ethernet, modem, two
USB slots, S-video out, parallel port and serial port.  Two PCMCIA slots,
audio controls with earphone and mic jack on side for easy EchoLink use.

I've used the serial port into my THD7-A with no problems.

I got this one for $1299.00 during a rebate sale in Oct at Best Buy.  They are
currently between $1249.00 and $1599.00 according to BizRate.com.

-----
gregg@cytetech.com  (Cyte Technologies Inc)



---
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```

351. [aprssig] Re: The AAG weather station with the T-238

From: "Mike Yetsko" <myetsko@insydesw.com>
Date: Tue, 17 Dec 2002 12:37:39 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-111387-2002.12.17-12.23.50--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

```
I'd like to thank the people that gave me some assistance on getting the
new AAG weather station (ver 3.0) working.

I now have my software talking to it either direct RS-232 or through a
USB cable.  NEAT!

My original problems were the 2480B bridge in the DS9097U adapter
was blown...  Got another one and I'm cooking with gas!

Mike


---
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```

352. [aprssig] Re: Garmin RINO protocol?

From: Jeff King <jeff@aerodata.net>
Date: Tue, 17 Dec 2002 14:03:06 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-111396-2002.12.17-13.49.07--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

```
Assuming you are wanting to extract posits.

When I spoke to my OEM contact at Garmin a few months ago, they where
unwilling to release this protocol. Maybe that has changed now, but they
seemed to think I could do what I want by polling the unit for waypoints of
other reporting RINO's.

I understand their is a active RINO user group on yahoogroups, might check
there maybe?


--
Jeff King, jeff@aerodata.net on 12/17/2002


On Tue, 17 Dec 2002 09:29:48 +1100, Darryl Smith wrote:
>People
>
>Has anyone determined how to get the GPS packets that are being sent
```

>out
>from a Garmin RINO?
>
>Darryl
>
>---------
>Darryl Smith, VK2TDS   POBox 169 Ingleburn NSW 2565 Australia
>Mobile Number 0412 929 634 [+61 4 12 929 634 International]
>Darryl@radio-active.net.au | www.radio-active.net.au
>
>
>
>---
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353. [aprssig] Re: Direct TV DSL SK

From: Smokey Behr <smokeybehr@sbcglobal.net>
Date: Tue, 17 Dec 2002 16:09:36 -0800
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-111420-2002.12.17-18.54.48--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

I can see making the TTL shorter, and therefore keeping the DNS cache
fresher, but making it longer? That seems like something that would happen
on a low-speed connection to some backwater ISP.

I use no-ip.com for my dynamic DNS, and it usually takes 5-30 minutes to
refresh my DNS entry. This is fine since I'm not hosting a major page like
Findu.com, but it's still a PITA when the PPPoE DSL connection burps.

On Sun, 15 Dec 2002 19:20:53 -0600, Neil Johnson <njohnsn@iowatelecom.net>
wrote:

>Every time the IP changes, it
>> takes 30 minutes to 24 hours for the name server caches to clear (some
>> servers ignore the TTL specified by the name record, and simply set their
>> own, up to 24 hours). This is not acceptable for findu.
>
>Okay, you've got me there. That sucks (overriding the TTL, although I can see
>the reasons why someone might do that).

--
John "Smokey Behr" Gleichweit FF1/EMT
IPN-CAL086   N5VZQ   UP Fresno Sub MP183.5
Incident Paging Network California Chapter Admin.
List Owner x4, Moderator x4.

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354. [aprssig] RE: Laptops / APRS

From: "Bill Northup" <foxhunter@lightband.com>
Date: Tue, 17 Dec 2002 19:11:05 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-111422-2002.12.17-18.56.49--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

I have been using a laptop computer for about a year for controlling
radio's and connecting to a KPC-3 for APRS. The computer is running
Windows XP.

It didn't start out well but things are great now.

At first I was using a Belkin USB to Serial adapter and the driver

for it was the problem. Trying to connect to things like my IC-PCR1000
which has a high data rate would crash the computer. Belkin was not
interested
in trying to fix their driver.

Then I found Larry's USB to Serial Converted
(http://pfranc.com/usb/usb.shtml)
and with this converter I have had no problems. It works well with the
IC-PCR1000 which is the biggest test. I also use it with a number of Garmin
GPS's to program them and as part of a tracker. I have been able
to program my D7 and my D700. So it can be done.

There are some software programs around that will no work but most seem to
do
well. I have used WinAprs and APRS+.

I haven't had any problems with the connectors, but would not want to start
yanking on them. For normal use and some bouncing around in my truck they
hold
up fine.

Bill N1QPR

> -----Original Message-----
> From: bounce-aprssig-26854@lists.tapr.org
> [mailto:bounce-aprssig-26854@lists.tapr.org]On Behalf Of Skip Allison
> Sent: Tuesday, December 17, 2002 1:03 AM
> To: TAPR APRS Special Interest Group
> Subject: [aprssig] Laptops / APRS
>
>
> I'm shopping for a new laptop computer, but most of the new laptops come
> without RS232 ports. Has anyone tried one of the USB to RS232
> converters on a TNC? GPS? Wx station? Win95? Win98? WinXP? APRS
> programs? Terminal programs like Procomm? Do they work? How do you
> setup the program? For example in WinAPRS what serial port would you
> tell the program your TNC was on? It only says Com1 Com2 . . .
> How doed the whimpy looking USB connector hold up? What about programs
> like programming software for D7?
>
> Ant recommendations for a laptop that does have RS232?
>
> Skip
> K9SA
>
> ---
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>

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---

355. [aprssig] ISS Contact Procedure

From: "john van sandt" <n9yrx@hotmail.com>
Date: Wed, 18 Dec 2002 04:07:35 +0000
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-111432-2002.12.17-22.53.02--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Can someone guide me through the proper method to send an APRS message to
the ISS team. What do I use for a path? What frequency do I use (the
national APRS freq or the satallite uplink freq). How often should I beacon
the message?

Next question. What is the proper path and procedure for sending APRS
position data to be digipeated back down to earth?

I don't want to try it before I know exactly what to do and screw someone
else up. I need the information in as simple and plain English as possible.
Regards

N9YRX
For last known APRS location click here:
http://www.findu.com/cgi-bin/find.cgi?n9yrx
John Van Sandt
1302 Beech St.
Marshall, ILL 62441
Ph 217-826-8821

____
MSN 8 helps eliminate e-mail viruses. Get 2 months FREE*.
http://join.msn.com/?page=features/virus

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356. [aprssig] Re: Direct TV DSL SK

From: "Guy Story, KC5GOI" <kc5goi@kc5goi.net>
Date: Tue, 17 Dec 2002 22:38:41 -0600
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-111435-2002.12.17-23.25.19--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

I received a message from Steve about this monday. He has been working on the findu backup since then.

73

Guy Story, KC5GOI

On Friday 13 December 2002 18:10, dale huguley wrote:
> On Fri, 2002-12-13 at 18:48, Spider wrote:
> > Direct TV DSL became DirectWay a while back.
>
> I think Directway is the Satellite delivered product- whats going south
> is the copper dsl service. At any rate puts findu.com into a fluid
> situation.
>
> 73 de kg5qd

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357. [aprssig] RE: Laptops / APRS

From: "Darryl Smith" <Darryl@radio-active.net.au>
Date: Wed, 18 Dec 2002 16:29:08 +1100
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-111451-2002.12.18-00.14.36--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

G'Day

One of the things that has come up at the TAPR board is the need for some type of USB interface for HAM projects.

Until someone gets arround to actually building a kit for us hams to use, commercial solutions might be the way to go. One of the ideas that was brought up was that maybe that the USB-Serial cable from pFranc.com might be worth looking at.

For those that are not aware, pfranc.com is the home of the worlds first Shareware Hardware project for GARMIN GPS connectors... They also are selling a USB-RS232 cable. The advantage with this one is that they always have the same model.

So... Here is a challenge. Can someone buy one of these cables, and evaluate it please? And then write something up for here, and for the PSR magazine. And by writing it up and getting it published in PSR, you will get your TAPR membership extended by three months :-)

Darryl

Darryl Smith, VK2TDS   POBox 169 Ingleburn NSW 2565 Australia
Mobile Number 0412 929 634 [+61 4 12 929 634 International]
Darryl@radio-active.net.au | www.radio-active.net.au

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358. [aprssig] Re: ISS Contact Procedure

From: "Stephen M. Parker, WR9A" <wr9a@commsec.com>
Date: Wed, 18 Dec 2002 00:35:40 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: "john van sandt" <n9yrx@hotmail.com>
Message-ID: <LYR842-111452-2002.12.18-00.21.15--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

> Can someone guide me through the proper method to send an APRS message to
> the ISS team.

There is no method for getting messages to the astronauts on board the ISS.
The Personal Message System (PMS) is not recommended to be used, and the
messages stored on it are not read by the crew.

>What do I use for a path? What frequency do I use (the
> national APRS freq or the satallite uplink freq). How often should I
beacon
> the message?

This web page should answer your questions:
http://web.usna.navy.mil/~bruninga/iss-faq.html

> Next question. What is the proper path and procedure for sending APRS
> position data to be digipeated back down to earth?

(See above web page. Follow instructions carefully. Read thoroughly.)

> I don't want to try it before I know exactly what to do and screw someone
> else up. I need the information in as simple and plain English as
possible.

Very wise, as there are already enough people attempting to digipeat through
the ISS and access the PMS that don't know what they are doing. It all
results in QRM and prevents others from using the system. The procedures are
simple, but you do have to take the time to learn to use it the right way.

73 & good luck.

Stephen M. Parker, WR9A
wr9a@commsec.com

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---

359. [aprssig] Laptops/APRS

From: Bruno Haineault <w6afk@amsat.org>
Date: Tue, 17 Dec 2002 21:44:12 -0800
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-111453-2002.12.18-00.29.39--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

On Wed, 18 Dec 2002 00:00:05 -0500
"TAPR APRS Special Interest Group digest" <aprssig@lists.tapr.org> wrote:

> Subject: Laptops / APRS
> From: Skip Allison <skipk9sa@ameritech.net>
> Date: Tue, 17 Dec 2002 00:03:17 -0600
> X-Message-Number: 1
>

> I'm shopping for a new laptop computer, but most of the new laptops come
> without RS232 ports. Has anyone tried one of the USB to RS232
> converters on a TNC? GPS? Wx station? Win95? Win98? WinXP? APRS
> programs? Terminal programs like Procomm? Do they work? How do you
> setup the program? For example in WinAPRS what serial port would you
> tell the program your TNC was on? It only says Com1 Com2 . . .
> How doed the whimpy looking USB connector hold up? What about programs
> like programming software for D7?
>
> Ant recommendations for a laptop that does have RS232?
>
> Skip
> K9SA
>
> --

Skip,

IMHO, I had the same concerns as you. However, after experimenting a bit, I determined that if your software can handle simulated COM ports (more specifically COM 5), then it should work. I have tried several ham radio programs using a UBS -> Serial converter and those that exhibited problems were the older applications.

By that time, I had pretty much decided that if my "circa 1995" application cannot work with the new technology, then so be it... and bye-bye to the old software. It was either that, or remain in the "middle ages" of computing ;-)

I have ran tests with Windows XP Home SP1 and Windows XP Pro SP1, which I prefer over the Win9x series, and even over Windows 2000. By the way, a few of the strong points of the XP line are: Stability (especially with 32-bit applications), compatibility (much more than Win2k) and flexibility (you can tell your application to run as an XP app or as a Win 98/Win95 app... something you cannot do with Win2k).

I have tried the following: UI-View32, MixW 2.x, MMSSTV, DXPSK v1.7c, Stream, eQSO, EchoLINK, Hyperterminal 6x, SR5, and several commercial applications.

So it boils down to what extent you want to keep your old software (pretty much forget DOS applications with XP). Newer laptops are being built without the physical COM/LPT ports so, it's just a matter of time before they disappear completely.

By the way, I am not saying that Windows XP is a panacea. It sure has its own set of quirks, but it is stable and flexible.

Bruno, W6AFK/VE2EQ
Oceanside, California, USA
DM13ie

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360. [aprssig] RE: Laptops/APRS

From: "Ken Cechura" <kcechura@umr.edu>
Date: Tue, 17 Dec 2002 23:49:30 -0600
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-111454-2002.12.18-00.35.10--lyris.aprssig#tapr.org@lists.tapr.org>
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How long before the big 3 put USB interfaces in the radios (or even the big 2 or 3 in the world of TNC's), as opposed to RS-232, which, while easy to homebrew for, is becoming antequated? (Nuts and Volts magazine ran an article some time ago about putting USB support in "your next project")

Just something to think about.

Kenneth R. Cechura, KC9UMR
University of Missouri-Rolla
Department Of Electrical Engineering
President, 2002, W0EEE, UMR ARC
email: kcechura@umr.edu

-----Original Message-----
From: bounce-aprssig-22012@lists.tapr.org
[mailto:bounce-aprssig-22012@lists.tapr.org] On Behalf Of Bruno
Haineault
Sent: Tuesday, December 17, 2002 11:44 PM
To: TAPR APRS Special Interest Group
Subject: [aprssig] Laptops/APRS

On Wed, 18 Dec 2002 00:00:05 -0500
"TAPR APRS Special Interest Group digest" <aprssig@lists.tapr.org>
wrote:

> Subject: Laptops / APRS
> From: Skip Allison <skipk9sa@ameritech.net>
> Date: Tue, 17 Dec 2002 00:03:17 -0600
> X-Message-Number: 1
>
> I'm shopping for a new laptop computer, but most of the new laptops come without RS232 ports. Has anyone tried one of the USB to RS232 converters on a TNC? GPS? Wx station? Win95? Win98? WinXP? APRS programs? Terminal programs like Procomm? Do they work? How do you setup the program? For example in WinAPRS what serial port would you tell the program your TNC was on? It only says Com1 Com2 . . . How doed the whimpy looking USB connector hold up? What about programs like programming software for D7?
>
> Ant recommendations for a laptop that does have RS232?
>
> Skip
> K9SA
>
> --

Skip,

IMHO, I had the same concerns as you. However, after experimenting a bit, I determined that if your software can handle simulated COM ports (more specifically COM 5), then it should work. I have tried several ham radio programs using a UBS -> Serial converter and those that exhibited problems were the older applications.

By that time, I had pretty much decided that if my "circa 1995" application cannot work with the new technology, then so be it... and bye-bye to the old software. It was either that, or remain in the "middle ages" of computing ;-)

I have ran tests with Windows XP Home SP1 and Windows XP Pro SP1, which I prefer over the Win9x series, and even over Windows 2000. By the way, a few of the strong points of the XP line are: Stability (especially with 32-bit applications), compatibility (much more than Win2k) and flexibility (you can tell your application to run as an XP app or as a Win 98/Win95 app... something you cannot do with Win2k).

I have tried the following: UI-View32, MixW 2.x, MMSSTV, DXPSK v1.7c, Stream, eQSO, EchoLINK, Hyperterminal 6x, SR5, and several commercial applications.

So it boils down to what extent you want to keep your old software (pretty much forget DOS applications with XP). Newer laptops are being built without the physical COM/LPT ports so, it's just a matter of time before they disappear completely.

By the way, I am not saying that Windows XP is a panacea. It sure has its own set of quirks, but it is stable and flexible.

Bruno, W6AFK/VE2EQ
Oceanside, California, USA
DM13ie

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361. [aprssig] USB Cables WAS: RE: Laptops / APRS

From: WA8LMF2@aol.com
Date: Wed, 18 Dec 2002 01:16:48 EST
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-111455-2002.12.18-01.02.21--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

```
In a message dated 12/17/2002 9:51:30 PM Pacific Standard Time,
kcechura@umr.edu writes:

> How long before the big 3 put USB interfaces in the radios (or even the
>  big 2 or 3 in the world of TNC's), as opposed to RS-232, which, while
>  easy to homebrew for, is becoming antequated?

Not until users quit expecting dated DOS-based and 16-bit Win 3.x ham
software to work!   USB ports simply don't exist at DOS, or with Win 3.x --
the USB ports are totally dependent on drivers that are part of Win98 and
later  (Win 2K, XP, etc), and Linux.

The main problem with the serial <--> USB converter cables available is that
the virtual COM port created by the Windows drivers for these devices is
usually COM5 or higher (to avoid conflicts with exisiting physical COM ports,
built-in modems and IR devices which frequently claim the low-order ports
COM1 through COM4).

Most older (DOS and pre-Win9x) programs don't recognize or offer the choice
of com ports above COM4 (and a surprising number only offer COM1 or 2) in
their setup menus.

Any modern true 32-bit Windows app (i.e. native program for Win9x, 2K, XP,
etc) should be able to access high-order comports, virtual or real, with no
problems.


In a message dated 12/17/2002 9:30:28 PM Pacific Standard Time,
Darryl@radio-active.net.au writes:

> So... Here is a challenge. Can someone buy one of these cables, and
>  evaluate it please? And then write something up for here,

They have been discussed on this list a number of times.  The pfranc cable
works just fine, limited like any serial<--> USB cable, by the considerations
mentioned above.  I have actually used two of them at the same time to get
three com ports on one laptop quite successfully.
    One problem, reported by several users, is the assigned COM port number
changing randomly on successive boots of Windows, forcing you to change the
port assignments in applications each time.  I have not seen this behavior in
the pfranc cable myself.

Stephen H. Smith                   wa8lmf @ aol.com
Home Page:                                        http://wa8lmf.com
Ham Radio/Mobile SSTV page:     http://members.aol.com/wa8lmf/ham
APRS Stuff
http://members.aol.com/wa8lmf/aprs

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362. [aprssig] RE: ISS Contact Procedure

From: "Andrew Rich" <andrew.rich@bigpond.com>
Date: Wed, 18 Dec 2002 16:24:14 +1000
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-111456-2002.12.18-01.09.53--lyris.aprssig#tapr.org@lists.tapr.org>

Rendered body type: text/plain

```
unproto xxxx via rs0iss




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363. [aprssig] RE: Laptops / APRS

From: "Mike Yetsko" <myetsko@insydesw.com>
Date: Wed, 18 Dec 2002 06:06:09 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-111481-2002.12.18-05.52.52--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

```
> So... Here is a challenge. Can someone buy one of these cables, and
> evaluate it please? And then write something up for here, and for the
> PSR magazine. And by writing it up and getting it published in PSR, you
> will get your TAPR membership extended by three months :-)
>
> Darryl

Why do people keep getting back to the fallacy that this is something
special?

USB to serial works.  Now that is assuming that if you have a PROPER
USB to serial driver and hardware.

After that, it's the SOFTWARE ON THE COMPUTER issue!!  There's
not anything magical about one manufacturers cable over another.  IF
it is done right.  And yes, there were some toad standouts early in the
game.

But 99% or more of the time with new correct equipment it's a
software issue.

The same thing happened before, and will happen again, as technology.
With PC cards people learned that when a software writer takes
shortcuts, any change in the technology usually shows up fatal flaws
in the software.  But did they blame the authors who took shortcuts
in the software?  No, we had discussion after discussion on PC cards
being good or bad.  (Actually, there was some validity in this case, as
some PC cards weren't as 'generic' as they could have been.)  But
really, it's just a UART.  It's not good or bad!  It's the software that
talks to it.  And now it's again the software that talks to it.

Mike


---
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```

364. [aprssig] Re: USB Cables WAS: RE: Laptops / APRS

From: "Mike Yetsko" <myetsko@insydesw.com>
Date: Wed, 18 Dec 2002 06:13:22 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-111483-2002.12.18-05.59.45--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

```
> They have been discussed on this list a number of times.  The pfranc
cable
> works just fine, limited like any serial<--> USB cable, by the
considerations
> mentioned above.  I have actually used two of them at the same time to
get
> three com ports on one laptop quite successfully.
>     One problem, reported by several users, is the assigned COM port
number
> changing randomly on successive boots of Windows, forcing you to change
the
> port assignments in applications each time.  I have not seen this
behavior in
> the pfranc cable myself.
```

Actually, it's not random. The problem is hot boot vs cold boot and
how devices are 'removed' prior to being detected again. There was
a very similar problem with PC cards that didn't 'reset' the controller
before restarting the POST. Devices left in the slots could be picked
up by the POST init routines and identified and assigned as if they
were permanent devices. Then the init routines would reset the
controller, and the 'card insert event' on initialization would treat the
card as a new insert and have to install it AFTER the stuff it thought
was already there. Then next boot it would see the card again but the
earlier phantom was gone.

The end result would be a card that would be toggling back and forth
between two addresses every time you 'hot' booted and left the card
inserted.

Unless the driver hooked the reset and killed the connection on reset.

But, you were still always at the mercy of a hardware reset switch that
didn't do a hardware kick of the PCMCIA controller....

Mike

---
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---

365. [aprssig] Anyone writing their own code for the AAG weather station?

From: "Mike Yetsko" <myetsko@insydesw.com>
Date: Wed, 18 Dec 2002 06:15:51 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-111484-2002.12.18-06.02.18--lyris.aprssig#tapr.org@lists.tapr.org>
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I'm talking, but is the A2D used for the wind direction considered a
parasitic device or not? It has it's own power pin to the cap in the
unit, but there's no power detect command.

I suppose it would be safest if I issued the strong pullup, and then
just timed the conversion instead of checking for '1's or '0's on the
bus.

Mike

---
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366. [aprssig] D700 software

From: "Bud Talbot" <kb9wvg@arrl.net>
Date: Wed, 18 Dec 2002 6:53:9
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-111492-2002.12.18-07.38.33--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Anyone know where I can download the D700 programming software? The link on
the Kenwood site is dead. We're finally setting up our station at the
Elkins HS ARC.

73
Bud KB9WVG

Elkins High School Amateur Radio Club
KD5UGQ

---
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367. [aprssig] RE: Laptops / APRS

From: "Mark Fellhauer" <sparkfel@qwest.net>
Date: Wed, 18 Dec 2002 07:50:50 -0600

To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-111502-2002.12.18-08.36.26--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

At 11:29 PM 12/17/02, Darryl Smith wrote:

>One of the things that has come up at the TAPR board is the need for
>some type of USB interface for HAM projects.

Which brings into question the sanity of the TAPR Board...or their technical knowledge... ;)

The problems with USB have been pointed out several times on this SIG.

A brief overview of these:

1) A poorly designed non-locking connector

2) A distance limitation of 4 to 5 meters per cable (and they mean it)

3) Not peer-to-peer - USB requires a high level host (although the next implementation of USB may fix that)

4) Nagging persistance issues (USB devices tend to dissapear without warning)

USB is a contruct of the WinTel duopoly to deal with retailer's (Best Buy, CompUSA, etc.) complaints about the high rate of returns on consumer grade computer peripherals like joysticks and scanners. It was never designed with anything else in mind.

If you look at how USB devices install and enumerate in your computer, you will find that all they do is emulate a legacy port, be it serial, parallel, or SCSI. If you got a USB TNC you would find that the issues you have with a USB to Serial converter would remain.

I actually own one of a handful of WinCE devices that supports USB host mode, a Casio E-200. We are just now getting a mouse driver for the darn thing - about a year late...

We have a better alternative - ETHERNET.

I'd love to spend more time on this issue, but I've got a plane to catch... Probably won't be able to respond to the SIG until next year...

Happy holidays and Merry Christmas,

Mark
KC7BXS

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368. [aprssig] Re: D700 software

From: "Randy Allen"<ka0azs@earthlink.net>
Date: Wed, 18 Dec 2002 05:54:07 -0800
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-111503-2002.12.18-08.39.43--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Kenwood revamped their web site. Try:
http://www.kenwood.net/index.cfm?do=SupportFileCategory&FileCatID=3

Bud wrote:

Anyone know where I can download the D700 programming software? The link on the Kenwood site is dead. We're finally setting up our station at the Elkins HS ARC.

73
Bud KB9WVG

Elkins High School Amateur Radio Club
KD5UGQ

Randy Allen, KA0AZS
EC, Montgomery County OH
www.qsl.net/ohd3ares

Randy Allen, KA0AZS
EC, Montgomery County OH
www.qsl.net/ohd3ares

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369. [aprssig] Re: D700 software

From: "Bud Talbot" <kb9wvg@arrl.net>
Date: Wed, 18 Dec 2002 9:15:28
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-111505-2002.12.18-10.00.56--lyris.aprssig#tapr.org@lists.tapr.org>
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I tried that page, and the download link does not find the file. I wondered
if anyone on the sig had the .exe and could email it to me.

---
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370. [aprssig] RE: Laptops / APRS

From: "Pat Karp" <pkarp@conwaycorp.net>
Date: Wed, 18 Dec 2002 09:27:30 -0600
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-111507-2002.12.18-10.11.17--lyris.aprssig#tapr.org@lists.tapr.org>
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> 2) A distance limitation of 4 to 5 meters per cable (and they mean it)
>

I'm sure not all devices are the same however I have used some with 15
meters of cable.
If you use a hub you can extend range on most devices anyway.

> 4) Nagging persistance issues (USB devices tend to dissapear without
warning)
>

> USB is a contruct of the WinTel duopoly to deal with retailer's (Best Buy,
> CompUSA, etc.) complaints about the high rate of returns on consumer grade
> computer peripherals like joysticks and scanners. It was never designed
> with anything else in mind

.
? It was designed to allow expandability to Macs. The Mac was the first
to implement it. The indistry saw that computer only had limited
expandibility using comports.
You would be hard pressed to get more than 8 ports in a single computer.
The reason was
that each port required its own IRQ to work safely. USB removed that
restriction and allows
up to 27 devices per port.

ou look at how USB devices install and enumerate in your computer, you
> will find that all they do is emulate a legacy port, be it serial,
> parallel, or SCSI.   If you got a USB TNC you would find that the issues
> you have with a USB to Serial converter would remain.
>

This is true if you add PS2 and IDE hehe If you think about it though Now
you
have one port that could do it all. I'm not saying USB is the greatest
here. I think
most of the problem come from the software side and not the port itself.
Give it time!

```
>
> We have a better alternative - ETHERNET.
>
> I'd love to spend more time on this issue, but I've got a plane to
> catch...  Probably won't be able to respond to the SIG until next year...
>
Gee you drop this idea in our minds and now we have to wait until your
return?
I think thats plain mean!  ;-)

> Happy holidays and Merry Christmas,
>
> Mark
> KC7BXS
>
>
>
>
>
>
>
>
> ---
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>
>



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371. [aprssig] RE: ISS Contact Procedure

From: Bob Bruninga <bruninga@usna.edu>
Date: Wed, 18 Dec 2002 11:18:55 -0500 (EST)
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: TAPR APRS Special Interest Group <aprssig@lists.tapr.org>
Message-ID: <LYR842-111516-2002.12.18-11.04.35--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

```
On Wed, 18 Dec 2002, Andrew Rich wrote:

> unproto xxxx via rs0iss

But if you want other APRS users to see you, then the "xxxx" must be one
of the recognized APRS TOCALL addresses of CQ, BEACON, ALL, APxxxx

Bob


---
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Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org
```

372. [aprssig] findU backup server

From: Steve Dimse <k4hg@tapr.org>
Date: Wed, 18 Dec 2002 12:06:42 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-111519-2002.12.18-11.52.13--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

```
I have been given the passwords to the backup server, and the findU is up and
running on the backup machine.

I'm sure there are pieces I've overlooked, so I need everyone to try their
favorite URLs on the new server before it goes live.

To convert a URL, change www.findu.com to www2.findu.com, e.g. my weather page
is:

http://www2.findu.com/cgi-bin/wxpage.cgi?call=K4HG&last=24
```

There is only data since about 1AM eastern when I got the parser started, so things that use old data will not look the same, and the experimental telemetry stuff is not online. Everything else ought to be up and running, if not it is because of a missing library or Perl Module, so give this a good workout to ferret out what I've overlooked (there are about 70 separate pieces needed to make this work...).

Steve K4HG

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Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

373. [aprssig] aprsd215b9 with ax.25 support?

From: Adi Linden <adil@adis.on.ca>
Date: Wed, 18 Dec 2002 11:29:15 -0600 (CST)
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-111522-2002.12.18-12.10.50--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Hi,

Where could I find a patch for aprsd215b9 or a patched version of aprsd215b9 with ax.25 support?

Thanks,
Adi
va3adi

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Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

374. [aprssig] Re: D700 software

From: WA8LMF2@aol.com
Date: Wed, 18 Dec 2002 13:18:32 EST
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-111529-2002.12.18-13.04.03--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

In a message dated 12/18/2002 7:16:40 AM Pacific Standard Time, kb9wvg@arrl.net writes:

> I tried that page, and the download link does not find the file. I wondered
> if anyone on the sig had the .exe and could email it to me.
>

I tried the link in the previous post:
http://www.kenwood.net/index.cfm?do=SupportFileCategory&FileCatID=3

and it worked perfectly. You may have something SERIOUSLY screwed up in your Internet connection or browser software ..

```
Stephen H. Smith                   wa8lmf @ aol.com
Home Page:                                        http://wa8lmf.com
Ham Radio/Mobile SSTV page:     http://members.aol.com/wa8lmf/ham
APRS Stuff
http://members.aol.com/wa8lmf/aprs

|    Radio Communications Systems       Personal Computers
|                Consulting and Systems Integration
|    GPS Custom Mapping    &     Radio Coverage Surveys
|    File Conversions       MS-Windows Setups       Networking
```

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Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

375. [aprssig] Re: D700 software

From: "John R. Berg" <jb@chemdoc.com>
Date: Wed, 18 Dec 2002 10:28:06 -0800
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-111530-2002.12.18-13.10.42--lyris.aprssig#tapr.org@lists.tapr.org>

Rendered body type: text/plain

```
At 01:18 PM 12/18/2002 -0500, WA8LMF2@aol.com wrote:
>In a message dated 12/18/2002 7:16:40 AM Pacific Standard Time,
>kb9wvg@arrl.net writes:
>
> > I tried that page, and the download link does not find the file. I
> wondered
> >  if anyone on the sig had the .exe and could email it to me.
> >
>
>I tried the link in the previous post:
>      http://www.kenwood.net/index.cfm?do=SupportFileCategory&FileCatID=3
>
>and it worked perfectly.  You may have something SERIOUSLY screwed up in your
>Internet connection or browser software ..

Did you try to download the file?  That doesn't work for me, either.  I'd
like this software, also.

John K6JRB



---
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```

376. [aprssig] RE: D700 software

From: "Jim Andrews" <jim@stuckinthemud.org>
Date: Wed, 18 Dec 2002 18:24:41 -0000
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-111531-2002.12.18-13.10.53--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

```
Kenwood have a mirror software site at

http://www.kenwood.com/i/products/info/amateur/software_download.html

just cancel the Japanese font install prompt if you get it!




Jim, G1HUL

-----Original Message-----
From: bounce-aprssig-16203@lists.tapr.org
[mailto:bounce-aprssig-16203@lists.tapr.org]On Behalf Of Bud Talbot
Sent: 18 December 2002 00:00
To: TAPR APRS Special Interest Group
Subject: [aprssig] D700 software


Anyone know where I can download the D700 programming software? The link on
the Kenwood site is dead. We're finally setting up our station at the
Elkins HS ARC.

73
Bud KB9WVG

Elkins High School Amateur Radio Club
KD5UGQ

---
You are currently subscribed to aprssig as: jim@stuckinthemud.org
To unsubscribe send a blank email to leave-aprssig-842K@lists.tapr.org
Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org



---
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Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org
```

377. [aprssig] Re: D700 software

From: "Jim Andrews" <jim@stuckinthemud.org>
Date: Wed, 18 Dec 2002 18:32:38 -0000

To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-111533-2002.12.18-13.19.18--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

It's not the page, the D700 download link is crap.

I tried to get this software over the weekend and had the same problem,
hence my discovery of a mirror.

Jim, G1HUL

-----Original Message-----
From: bounce-aprssig-16203@lists.tapr.org
[mailto:bounce-aprssig-16203@lists.tapr.org]On Behalf Of WA8LMF2@aol.com
Sent: 18 December 2002 18:19
To: TAPR APRS Special Interest Group
Subject: [aprssig] Re: D700 software

In a message dated 12/18/2002 7:16:40 AM Pacific Standard Time,
kb9wvg@arrl.net writes:

> I tried that page, and the download link does not find the file. I
wondered
> if anyone on the sig had the .exe and could email it to me.
>

I tried the link in the previous post:
     http://www.kenwood.net/index.cfm?do=SupportFileCategory&FileCatID=3

and it worked perfectly. You may have something SERIOUSLY screwed up in
your
Internet connection or browser software ..

```
Stephen H. Smith                   wa8lmf @ aol.com
Home Page:                                        http://wa8lmf.com
Ham Radio/Mobile SSTV page:     http://members.aol.com/wa8lmf/ham
APRS Stuff
http://members.aol.com/wa8lmf/aprs

|    Radio Communications Systems       Personal Computers
|                Consulting and Systems Integration
|    GPS Custom Mapping    &     Radio Coverage Surveys
|    File Conversions       MS-Windows Setups       Networking
```

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To unsubscribe send a blank email to leave-aprssig-842K@lists.tapr.org
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---
You are currently subscribed to aprssig as: lyris.aprssig@tapr.org
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Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

378. [aprssig] Re: findU backup server

From: "Don" <kyham@alltel.net>
Date: Wed, 18 Dec 2002 15:01:35 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-111540-2002.12.18-14.46.57--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Is this the server system we all paid to get up and running? That seems to
have gotten lost after the money was collected.

I KNOW IT WAS NOT YOU but thought this heading might get more reading and
cause an update on status.   BEEN A LONG TIME....

Don   K9SOA   (EM77EX)
HF-2m-70cm-APRS
www.k9soa.net

Home of JEANNIE
The House That Listens
As seen on HGTV's Dream Builder Show
and the Featured Home of the Month

Home Automation magazine
March 2002 issue

----- Original Message -----
From: Steve Dimse <k4hg@tapr.org>
To: TAPR APRS Special Interest Group <aprssig@lists.tapr.org>
Sent: Wednesday, December 18, 2002 12:06 PM
Subject: [aprssig] findU backup server

> I have been given the passwords to the backup server, and the findU is up
and
> running on the backup machine.
>
> I'm sure there are pieces I've overlooked, so I need everyone to try their
> favorite URLs on the new server before it goes live.
>
> To convert a URL, change www.findu.com to www2.findu.com, e.g. my weather
page
> is:
>
> http://www2.findu.com/cgi-bin/wxpage.cgi?call=K4HG&last=24
>
> There is only data since about 1AM eastern when I got the parser started,
so
> things that use old data will not look the same, and the experimental
telemetry
> stuff is not online. Everything else ought to be up and running, if not it
is
> because of a missing library or Perl Module, so give this a good workout
to
> ferret out what I've overlooked (there are about 70 separate pieces needed
to
> make this work...).
>
> Steve K4HG
>
> ---
> You are currently subscribed to aprssig as: kyham@alltel.net
> To unsubscribe send a blank email to leave-aprssig-842K@lists.tapr.org
> Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org
>

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---

379. [aprssig] RE: Laptops / APRS

From: "Darryl Smith" <Darryl@radio-active.net.au>
Date: Thu, 19 Dec 2002 07:14:28 +1100
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-111541-2002.12.18-15.03.34--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Mark Felhauer commented
>>One of the things that has come up at the TAPR board is the need for
>>some type of USB interface for HAM projects.
>
>Which brings into question the sanity of the TAPR Board...or their
>technical knowledge... ;)

The issue here has to do with more than technical knowledge. It has to
do with the perceptions inside the Ham community. A large number of the
HAMs I talk to about TAPR ask about USB devices for Ham Radio. There is
at least a perceived demand in the ham marketplace for these devices.

Sometimes the right solution is not the best solution. For instance the
KISS protocol was published 12 years ago as a short term stop gap
measure. But it has endured despite problems. The same with USB.

USB has it's problems, and so does ethernet. Despite the work being done
recently with embedded controllers, Ethernet/TCPIP is not designed for
that type of environment. USB is. Ethernet is designed for fast
processors with lots of memory - particularly at higher speeds,
particularly running TCP/IP.

USB can be implemented on a high-end mid-range PIC with little more than
a differential transciever. Ethernet cannot - it requires a lot more
interface. So, for instance, we are looking at a US$10 PIC and a $2
transciever. For ethernet, you are looking at spending at least $50 for
the equivalent. Having said that, if a member came to the board and told
us they had an ethernet TNC and wanted TAPR to sell it as a Kit, I am
sure that we would look at it favourably.

So, my technical knowledge is not in question, although my sanity might
be (after agreeing to join the Tapr board :-)

Darryl

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---

380. [aprssig] Re: D700 software

From: Henk de Groot <henk.de.groot@hetnet.nl>
Date: Wed, 18 Dec 2002 21:00:27 +0100
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-111542-2002.12.18-15.04.02--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

At 10:28 18-12-02 -0800, John R. Berg wrote:
>At 01:18 PM 12/18/2002 -0500, WA8LMF2@aol.com wrote:
>>
>>I tried the link in the previous post:
>>   http://www.kenwood.net/index.cfm?do=SupportFileCategory&FileCatID=3
>>
>>and it worked perfectly. You may have something SERIOUSLY screwed up in your
>>Internet connection or browser software ..
>
>Did you try to download the file? That doesn't work for me, either. I'd
>like this software, also.

You could try the German site:

http://www.kenwood.de/download_com/tmd700.zip

I'm sure it is there. I hope it is in English though. I expect it is, I
downloaded the software for the TH-D7E from that site
<http://www.kenwood.de/download_com/Md7g110.zip> and at least that was in
English, so I suspect for the TM-D700 software it's the same.

Kind regards,

Henk.

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---

381. [aprssig] Re: findU backup server

From: Steve Dimse <k4hg@tapr.org>
Date: Wed, 18 Dec 2002 15:23:45 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: TAPR APRS Special Interest Group <aprssig@lists.tapr.org>
Message-ID: <LYR842-111543-2002.12.18-15.10.51--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

On 12/18/02 at 3:01 PM kyham@alltel.net (Don) sent:

>Is this the server system we all paid to get up and running? That seems to
>have gotten lost after the money was collected.
>
Remember, you all paid for the hardware. Getting it up and running was a
volunteer effort, and as tends to happen, the volunteers were still trying to
find time to work on the project. Guy posted a couple updates on the situation
to the sig over the last couple months.

Getting this running took me the better part of the last two days, and I don't
have a learning curve to deal with. The code that underlies findU is really
pretty simple, the hard part is configuring all the software packages to play

together correctly.

>I KNOW IT WAS NOT YOU but thought this heading might get more reading and
>cause an update on status.   BEEN A LONG TIME....
>
Yes this is the server APRS users paid for, and yes, I was not to be involved other than providing my code and installation instructions. At the time I made it very clear that I did not want to handle the installation and maintenance myself for two reasons. First, monitoring a server takes a surprising amount of time, and I already had two to occupy my time. More important, I wanted someone else to understand how the pieces fit together so that should anything happen to my health or my interest in APRS, there would be someone that could keep it running.

However, because of the urgency in the present situation I got involved and did the installation myself. I'll continue to monitor this server, at least until the primary server is safely settled in at its new home in a data center.

Steve K4HG

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Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

---

382. [aprssig] RE: Laptops / APRS

From: Alex <kr1st@amsat.org>
Date: Wed, 18 Dec 2002 15:48:11 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-111544-2002.12.18-15.31.17--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Darryl Smith wrote:
>
> Mark Felhauer commented
> >>One of the things that has come up at the TAPR board is the need for
> >>some type of USB interface for HAM projects.
> >
> >Which brings into question the sanity of the TAPR Board...or their
> >technical knowledge... ;)
>
> The issue here has to do with more than technical knowledge. It has to
> do with the perceptions inside the Ham community. A large number of the
> HAMs I talk to about TAPR ask about USB devices for Ham Radio. There is
> at least a perceived demand in the ham marketplace for these devices.

So is TAPR going to develop such a device?

At some point TAPR expressed that TAPR wants to focus on providing enabling technology rather than developing finished products. I think that was just after cancellation of the SS radio project. To me this seems like an excellent opportunity. I'm sure TAPR must have done more at "board level" than merely recognizing this wish from the ham community. Everyone else already did this quite a while ago.

Perhaps TAPR could offer USB modems, like the one developed by Thomas, HB9JNX, and offered by the Bavarian Packet Radio Group. That would be a nice step forward.

73,
--Alex KR1ST

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To unsubscribe send a blank email to leave-aprssig-842K@lists.tapr.org
Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

---

383. [aprssig] RE: Laptops / APRS

From: Steve Dimse <k4hg@tapr.org>
Date: Wed, 18 Dec 2002 15:53:05 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: TAPR APRS Special Interest Group <aprssig@lists.tapr.org>
Message-ID: <LYR842-111547-2002.12.18-15.38.32--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

On 12/19/02 at 7:14 AM Darryl@radio-active.net.au (Darryl Smith) sent:

>>>One of the things that has come up at the TAPR board is the need for
>>>some type of USB interface for HAM projects.

```
>>
>>Which brings into question the sanity of the TAPR Board...or their
>>technical knowledge...  ;)
>
>The issue here has to do with more than technical knowledge. It has to
>do with the perceptions inside the Ham community. A large number of the
>HAMs I talk to about TAPR ask about USB devices for Ham Radio. There is
>at least a perceived demand in the ham marketplace for these devices.
>
Since I'm no longer on the TAPR board (BTW, the sanity level thereby being
considerably raised) I have to say in the three years I did serve, no one
brought a single project proposal to TAPR with USB.

There still is this perception that TAPR has a technical staff they can assign
to any project they feel worthy. This simply is not the case...this is a
volunteer organization...and no one inside or outside TAPR had a plan to build a
USB device. TAPR can provide assistance to people that have a desire to create
something, but they cannot dictate projects to volunteers.

There is an important shortcoming of USB. It requires drivers for each platform.
Hams being a frugal bunch, there are many people still running Win 95 (or even
earlier), all the way through NT server. There are many people running Linux,
and more than a few using MacOS both OS 9 and earlier, and OS X. All of these
require separate drivers to be written, skills very different from those who
build hardware and write microcontroller programs. Writing these drivers is not
a trivial undertaking, and certainly not the sexy, highly visible project
talented voluteers tend to assign themselves to.

On the other hand, a serial port is a very well understood thing, built into
most microcontrollers, easy for a hardware builder to impelement. USB to serial
converters are cheap, and there are models with drivers for just about every
platform.

Steve K4HG

---
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```

384. [aprssig] D700 soft

From: "Bud Talbot" <kb9wvg@arrl.net>
Date: Wed, 18 Dec 2002 16:9:9
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-111559-2002.12.18-16.54.37--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

```
Thanks to all who emailed me the D700 .exe file. I've got it going now. As
you've probably read. the link to the Kenwooddownload page works, but the
download itself is messed up- can't find target fiel.
Thanks again and 73

Bud
KB9WVG

Elkins HS Amateur Radio CLub
KD5UGQ (waiting on vanity call. . . .)

---
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Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org
```

385. [aprssig] Road Trip!

From: "James" <kb7tbt@qsl.net>
Date: Wed, 18 Dec 2002 16:30:33 -0700
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-111568-2002.12.18-18.16.35--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

```
As most of you know, We are leaving tomorrow to take a road trip back east
to see both of our
families.

>From AZ to AL to NJ and back.
We will be running IRLP and APRS.
146.520 will also be monitored
KD7KYO-2
APRS Messages cannot be received.
```

To cross reference the IRLP nodelist and our position follow this URL:
http://www.findu.com/cgi-bin/find.cgi?call=Kd7kyo-2

A pop up window on my website has the URL also.

KB7TBT Home Page
http://www.qsl.net/kb7tbt
DM33

 In the 60's people took acid to make the world weird. Now the world is
weird and people take Prozac to make it normal.

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Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

---

386. [aprssig] USB and Ham Radio

From: John Kraus <flyfisher452@cox.net>
Date: Wed, 18 Dec 2002 19:15:52 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-111572-2002.12.18-19.01.23--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Check out

http://www.baycom.org/

They have a high speed USB modem ready now.

---------snip from website-------------

Modem availability

The USB Modem is available now. It costs 199.- DM / 102.- EURO.
For more infos on ordering/contact, please look here.
The modem is either available for 76k8 FSK or 9k6 FSK
(both versions can do 1200Bd AFSK by just setting the right configuration
parameters)
Baudrates can be altered to any value by changing seven 0805-SMD capacitors.
Upper limit for the modem is around 300kbit/s

You are currently subscribed to aprssig as: lyris.aprssig@tapr.org
To unsubscribe send a blank email to leave-aprssig-842K@lists.tapr.org
Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

---

387. [aprssig] Re: USB and Ham Radio

From: "hasan schiers" <schiers@netins.net>
Date: Wed, 18 Dec 2002 18:47:05 -0600
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-111573-2002.12.18-19.32.39--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Not supported under Windows XP, so keep that in mind.

...hasan, N0AN

----- Original Message -----
From: "John Kraus" <flyfisher452@cox.net>
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Sent: Wednesday, December 18, 2002 6:15 PM
Subject: [aprssig] USB and Ham Radio

> Check out
>
> http://www.baycom.org/
>
> They have a high speed USB modem ready now.
>
>
> ---------snip from website-------------

```
>
>
>
> Modem availability
>
> The USB Modem is available now. It costs 199.- DM / 102.- EURO.
> For more infos on ordering/contact, please look here.
> The modem is either available for 76k8 FSK or 9k6 FSK
> (both versions can do 1200Bd AFSK by just setting the right configuration
> parameters)
> Baudrates can be altered to any value by changing seven 0805-SMD
capacitors.
> Upper limit for the modem is around 300kbit/s
>
>
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---

388. [aprssig] D700 & Earthmate

From: "M. Schneider" <msokla@brightok.net>
Date: Wed, 18 Dec 2002 19:00:54 -0600
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-111574-2002.12.18-19.43.26--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

```
I have a young friend who has decided to get into APRS, and asked me about
interfacing a Kenwood D700, a Delorme Earthmate, and a laptop computer for
mobile APRS.  Not being familiar with either the D700 or the Earthmate GPS,
I am hoping that somebody can steer me (and him) to a website that would
explain how to set this up, along with software recommendations.  Or any
other advice, for that matter.

Tnx & 73,
Mark Schneider  K5MAR


---
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---

389. [aprssig] findU server

From: Steve Dimse <k4hg@tapr.org>
Date: Wed, 18 Dec 2002 20:47:05 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-111575-2002.12.18-20.32.41--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

```
Sorry, there was a little clock issue that corrupted the database, I had to
clear out the database. Less history to look at, but I think I have things
cleared up. Test away...

Steve K4HG

---
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```

---

390. [aprssig] Hewlett Packard 6 CHANNEL PARALLEL TRACKING GPS RECEIVER Z3801A

From: "Pat Karp" <pkarp@conwaycorp.net>
Date: Wed, 18 Dec 2002 20:20:18 -0600
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-111579-2002.12.18-21.10.54--lyris.aprssig#tapr.org@lists.tapr.org>
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```
Has any one used one of these recievers with APRS?
```

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---

391. [aprssig] Re: Hewlett Packard 6 CHANNEL PARALLEL TRACKING GPS RECEIVER Z3801A

From: John Ackermann   N8UR <jra@febo.com>
Date: Wed, 18 Dec 2002 21:34:20 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-111580-2002.12.18-21.19.49--lyris.aprssig#tapr.org@lists.tapr.org>
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I suspect they would be a challenge to use for APRS position reporting, for a couple of reasons.

The main one is that the serial port on the unit doesn't talk standard 4800 baud NMEA. It's not anything like the normal GPS commands (and it's not the Motorola binary format either). In addition, I'm not sure, but I don't think you can set it to automatically output once per second. I think it only responds to a query command you send it. Additional problems are that the unit is designed to operate in fixed-position mode to improve timing accuracy, and I'm not sure it can be forced to stay in position fix mode (and if you kept it there, you'd lose frequency standard performance).

In short the Z3801A is a great frequency standard, but not a very good tracker!

73,
John N8UR
jra@febo.com

--On Wednesday, December 18, 2002 20:20:18 -0600 Pat Karp
<pkarp@conwaycorp.net> wrote:

> Has any one used one of these recievers with APRS?
>
>
> ---
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>
>
>

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---

392. [aprssig] RE: Laptops/APRS

From: "Darryl Smith" <Darryl@radio-active.net.au>
Date: Thu, 19 Dec 2002 16:32:03 +1100
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-111619-2002.12.19-00.23.41--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

"Ken Cechura" <kcechura@umr.edu> commented

>How long before the big 3 put USB interfaces in the radios (or even the
>big 2 or 3 in the world of TNC's), as opposed to RS-232, which, while

Funny you should mention that. The new ICOM D*STAR radio has USB for CONTROL. So things have started.

OK... For those that think this is a bloody stupid idea putting USB in this radio, I aggree for once. You see, data transfer is through ethernet, but the control is USB. You have to use both.

BTW, this is a ham radio, but it is not aimed at the ham market. It is aimed at the NGO (non-government organisations) who use ham radio as a communications means (read Red Cross and the like)...

Also in focus groups ICOM AMERICA got big kick for putting USB in...

Darryl

Darryl Smith, VK2TDS   POBox 169 Ingleburn NSW 2565 Australia
Mobile Number 0412 929 634 [+61 4 12 929 634 International]
Darryl@radio-active.net.au | www.radio-active.net.au

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393. [aprssig] Re: D700 & Earthmate

From: WA8LMF2@aol.com
Date: Thu, 19 Dec 2002 01:10:46 EST
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-111626-2002.12.19-00.56.26--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

In a message dated 12/18/2002 4:59:50 PM Pacific Standard Time, msokla@brightok.net writes:

> Not being familiar with either the D700 or the Earthmate GPS,
> I am hoping that somebody can steer me (and him) to a website that would
> explain how to set this up, along with software recommendations. Or any
> other advice, for that matter.

The dedicated GPS port on the D700 will accept any STANDARD GPS device with a serial port outputting NMEA data (specifically the $GPRMC sentence) at 4800 or 9600 baud.

Unlike the earlier Delorme Tripmate, the Earthmate GPS DOES NOT output standard NMEA. It produces a proprietary binary format that is only usable by Delorme programs. By itself, it is completely useless for ham APRS applications.

For $50, you can buy a format converter device packaged in a gender-changer-like case that inserts between the Earthmate and other device such as a computer or ham tracker. If you are using the external power adapter for the Earthmate, this device bridges pin 9 of the DB9 (where the Earthmate receives it's external power) and will also power itself from the same source. See the website :
      http://www.byonics.com   (home of the TinyTrak tracker)

and click on the link for the GST-1 "GPS Sentence Translator" for more info.

Stephen H. Smith   wa8lmf @ aol.com
Home Page: http://wa8lmf.com
Ham Radio/Mobile SSTV page: http://members.aol.com/wa8lmf/ham
APRS Stuff
http://members.aol.com/wa8lmf/aprs

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---

394. [aprssig] RE: Laptops / APRS & TAPR

From: "Darryl Smith" <Darryl@radio-active.net.au>
Date: Thu, 19 Dec 2002 17:08:44 +1100
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-111627-2002.12.19-00.59.19--lyris.aprssig#tapr.org@lists.tapr.org>
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From: Alex <kr1st@amsat.org>
>So is TAPR going to develop such a [USB] device?

I don't know. Basically it is up to the members.

>I'm sure TAPR must have done more at "board level" than
>merely recognizing this wish from the ham community.

I don't know. I have only been on the board for a few months. But in that time I started a personal TAPR to do list. That is up to 20 pages at the moment. Why only 20 pages... I havent had the chance to expand many of the headings.

In some cases projects are initiated by the board, some are initiated by the members. But we need people to work on these projects... We need for members to bring projects to the board... I have a good idea of the ham radio development going on here in Oz, but don't know much about the rest of the world. Many members know about their parts of the world, and know how TAPR can either assist or be assisted by local groups.

Please do not wait to be asked. If you have a skill that TAPR could use, please speak up. If you are an E-Commerce guru, we can use your help. If you are an expert on the internals of SourceForge we can use your assistance. If you design PCB's... Fantastic. Love microwave... I have a great idea for a simple microwave spectrum analyser... Just have time to read, well it would be great for someone to go through the old issues of PSR finding anthing that could be republished in the magazine next month. If all you can do is renew your membership, that would make me very happy. If you do embedded USB... I have a project for you too..

Without any more things on my list I could work full time on TAPR projects for the next few years and not finish. Ultimately TAPR is the organisation that the members make it. So if you have a skill we can use, please speak up.

Darryl

Darryl Smith, VK2TDS   POBox 169 Ingleburn NSW 2565 Australia
Mobile Number 0412 929 634 [+61 4 12 929 634 International]
Darryl@radio-active.net.au | www.radio-active.net.au

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395. [aprssig] Re: D700 & Earthmate

From: "max" <mxd@wilder.net>
Date: Wed, 18 Dec 2002 22:56:42 -0800
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-111629-2002.12.19-01.42.34--lyris.aprssig#tapr.org@lists.tapr.org>
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>
> Unlike the earlier Delorme Tripmate, the Earthmate GPS DOES
> NOT output
> standard NMEA. It produces a proprietary binary format that
> is only usable by
> Delorme programs. By itself, it is completely useless for ham APRS
> applications.

Completely useless?

I have seen, but don't have any experience with the byonics device.

The linix gpsd package (http://freshmeat.net/projects/gpsd/?topic_id=20) understands earthmate (which is really rockwell binary) format, and will translate and output to nmea. I had this working with the earthmate and my d700 before I decided it was easier - not to mention more power consumption friendly - to just buy a cheap nmea gps. I ended up using the earthmate as a gps time clock to set my time server at the home qth.

But, if you don't have the luxury of replacing it, you can use a linux laptop to translate it. And, you can use gpsdrive (http://www.kraftvoll.at/software/index.shtml) as mapping software...

Or not..

Max
K6mxd

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396. [aprssig] Ethernet vs USB

From: "James Lux" <aprssig@luxfamily.com>
Date: Thu, 19 Dec 2002 1:14:26
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-111634-2002.12.19-01.59.59--lyris.aprssig#tapr.org@lists.tapr.org>
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I'd say that Ethernet is a much better choice. It IS supported by a wider variety of computers (including those old DOS boxes), and is well supported by Linux (more than can be said for USB). It is also more suited to peer/peer applications (which USB does not do)

As for cost.. Zworld/Rabbit Semi sells a little board (RCM3200) with a 100BaseT ethernet, 6 serial ports and a raft of i/o (including timers, encoders, etc.) for about $80 each, much less in quantity. The development kit includes royalty free software for the TCP/IP stack, including web servers, ftp server, telnet, etc. as well as all the socket stuff. It's programmed in C, fairly easy to work with, etc. I'm using these things for such diverse applications as servo controllers, antenna tuners, and sprinkler timers.

To make an ethernet TNC all you'd need to do is add the modem chip (although, you might be able to demodulate the audio with the onchip counter/timers.. certainly, the PWM output could do the modulation). The TNC code itself could be modified from the old PMP code, although, since the Rabbit processors have UARTS, you probably don't need to go to that level.

There are other very low cost Ethernet devices out there. I don't think there are ones on a PIC, but pretty darn close, I'll bet. If USB<>Ethernet interfaces cost <$30, you know the interface parts cost has to be pretty low. You pay a bit more to get the ethernet chip and PHY layer integrated on a board and working (hence the bucks for the rabbit parts). For that matter, one of those PC on a stick computers interfaced to a run of the mill generic 10BT ethernet ISA card (<$10 each) might be an approach.

Jim W6RMK

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397. [aprssig] Re: D700 & Earthmate

From: WA8LMF2@aol.com
Date: Thu, 19 Dec 2002 02:28:07 EST
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-111641-2002.12.19-02.13.53--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

In a message dated 12/18/2002 10:59:09 PM Pacific Standard Time, mxd@wilder.net writes:

> > Delorme programs. By itself, it is completely useless for ham APRS
> > applications.
>
> Completely useless?
>
> I have seen, but don't have any experience with the byonics device.

I have one and it works fine. The main disadvantage is that it doesn't translate the satellite status messages so programs with skyview diagrams or satellite S/N tables (such as the Delorme apps like Street Atlas, TopoUSA, etc) show blank status screens although the tracking on the main map screen shows perfectly normally.

> The linix gpsd package (http://freshmeat.net/projects/gpsd/?topic_id=20)
> understands earthmate (which is really rockwell binary) format, and will
> translate and output to nmea.

Actually, I should correct myself and mention that UI-View does natively
support the Earthmate.   When I made the comment originally, I was thinking
in terms of dedicated hardware devices such as the D700, TH-D7, Alinco,
TinyTrak, KPC3+ trackers, etc which all require standard ASCII NMEA-0183.

Stephen H. Smith   wa8lmf @ aol.com
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Ham Radio/Mobile SSTV page: http://members.aol.com/wa8lmf/ham
APRS Stuff
http://members.aol.com/wa8lmf/aprs

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398. [aprssig] Re: Ethernet vs USB

From: "Mike Yetsko" <myetsko@insydesw.com>
Date: Thu, 19 Dec 2002 07:16:12 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-111647-2002.12.19-07.02.47--lyris.aprssig#tapr.org@lists.tapr.org>
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> There are other very low cost Ethernet devices out there. I don't think
> there are ones on a PIC, but pretty darn close, I'll bet. If
USB<>Ethernet
> interfaces cost <$30, you know the interface parts cost has to be pretty
> low. You pay a bit more to get the ethernet chip and PHY layer
integrated
> on a board and working (hence the bucks for the rabbit parts). For that
> matter, one of those PC on a stick computers interfaced to a run of the
> mill generic 10BT ethernet ISA card (<$10 each) might be an approach.
>
> Jim W6RMK

I picked up one about a year or so ago from an ad in Circuit Cellar.
Forget what I paid for it, but I think it was $30. All it needed was
the RJ-45 jack. It was a 'web page' on a chip, and the package
had authoring software to incorporate whatever you interfaced it
to as the web page.

Mike

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399. [aprssig] RE: USB

From: "Bob D." <n2iph@comcast.net>
Date: Thu, 19 Dec 2002 08:13:28 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-111648-2002.12.19-07.59.39--lyris.aprssig#tapr.org@lists.tapr.org>
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>>We have a better alternative - ETHERNET.

Yes, ethernet would be much better then USB I think.
We should jump right over USB and push for ethernet
in radios and TNCs.

Happy Holidays,

Bob D.

"To invent, you need a good imagination and a

pile of junk" - Thomas Alva Edison (1847-1931)

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400. [aprssig] RE: Kenwood

From: "Bob D." <n2iph@comcast.net>
Date: Thu, 19 Dec 2002 08:20:01 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-111649-2002.12.19-08.05.26--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

When you go to the Kenwood, check out the Fleet Management section.
There is some stuff just begging to be hacked for Ham use.

For instance, the KGP-2A:

The KGP-2A GPS receiver-modem unit and KGP-2B GPS controller-modem
unit from Kenwood offer a cost-effective way to implement an GPS AVL
(Global Positioning System Automatic Vehicle Location) solution*
into any two-way system. AVL offers efficient dispatch management of
taxi, delivery and service vehicles, plus enhanced security with
advanced monitoring and control capabilities.

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401. [aprssig] Re: Ethernet vs USB

From: Phil Reed <preed@dnaco.net>
Date: Thu, 19 Dec 2002 09:05:17 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-111658-2002.12.19-08.51.47--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

At 07:16 AM 12/19/2002, Mike Yetsko wrote:

>I picked up one about a year or so ago from an ad in Circuit Cellar.
>Forget what I paid for it, but I think it was $30. All it needed was
>the RJ-45 jack. It was a 'web page' on a chip, and the package
>had authoring software to incorporate whatever you interfaced it
>to as the web page.

http://www.siteplayer.com is another one, designed for controller
integration, with integral Ethernet. $30. About 1 square inch. (No, I don't
own any or work there. They just look cool.)

...phil / w8sca

"For a list of all the ways technology has failed
to improve the quality of life, press 3."

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402. www.huijsman.com

From: "Bern Hernandez" <bernhernandez@viwire.com>
Date: 19 Dec 2002 05:09:19 -0800

To: lyris.aprssig@tapr.org
Message-ID: <05f1719091313c2ENGINEEMAIL@html-email-marketing.com>
Rendered body type: text/plain

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Best regards,

Bern Hernandez

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Please click http://63.204.221.196/members/unsubscribeme.asp?ID=79312998
or REPLY and write UNSUBSCRIBE in the subject line.

403. [aprssig] Telemetry progress

From: Steve Dimse <k4hg@tapr.org>
Date: Thu, 19 Dec 2002 09:16:43 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-111659-2002.12.19-09.02.19--lyris.aprssig#tapr.org@lists.tapr.org>
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Here are a couple more refined examples of what the telemetry cgi will ultimately look like. This example plots a single parameter against time, and takes the same values that can be specified in the APRS on-the-air format...in this example, a voltage measurement that is one-tenth the telemetry value.

http://www.findu.com/cgi-bin/tele1.cgi?call=CNABAR&last=96&param=1&b=0.1&label=supply%20voltage&units=volts&autorange=1

You can also manually specify a range and tic count to provide a more consistant and attractive display:

http://www.findu.com/cgi-bin/tele1.cgi?call=CNABAR&last=96&param=1&b=0.1&label=supply%20voltage&units=volts&range=11%2014&tics=10

Again, the warning that this is experiemental, and meant as a preview only, applies, a link to this cgi will almost certainly fail before the end of the year!

Steve K4HG

---

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404. [aprssig] Re: Ethernet vs USB

From: "Mike Yetsko" <myetsko@insydesw.com>
Date: Thu, 19 Dec 2002 11:29:44 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-111673-2002.12.19-11.16.12--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

```
> http://www.siteplayer.com is another one, designed for controller
> integration, with integral Ethernet. $30. About 1 square inch. (No, I
don't
> own any or work there. They just look cool.)

That's the one!  I forgot the name.  I bought the little thing that's a
small PCB with single row connectors on either side.

Mike



---
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```

---

405. [aprssig] Re: Ethernet vs USB

From: "Wes Johnston" <kd4rdb@netzero.com>
Date: Thu, 19 Dec 2002 11:39:34 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-111674-2002.12.19-11.25.25--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

```
They have been supposed to come up with a telnet server version and a more
programmable version for over a year now... these items have been in their
"coming soon" section forever.  This leaves the rabbit.

It sure would be nice if kantronics made an ethernet TNC... wow.... kiss to
ethernet.... that would be schweet. a kpc9612/10/100bt

Wes
----- Original Message -----
From: "Mike Yetsko" <myetsko@insydesw.com>
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Sent: Thursday, December 19, 2002 11:29 AM
Subject: [aprssig] Re: Ethernet vs USB


> > http://www.siteplayer.com is another one, designed for controller
> > integration, with integral Ethernet. $30. About 1 square inch. (No, I
> don't
> > own any or work there. They just look cool.)
>
> That's the one!  I forgot the name.  I bought the little thing that's a
> small PCB with single row connectors on either side.
>
> Mike
>
>
> ---
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>
>



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```

---

406. [aprssig] U.S. Aprs address

From: "Maryetta falkenbury" <flknbry@srt.com>
Date: Thu, 19 Dec 2002 11:37:58 -0600
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-111678-2002.12.19-12.18.06--lyris.aprssig#tapr.org@lists.tapr.org>

Rendered body type: text/plain

```
Greetings
Just to make sure,The  previous APRS NET address used to be www.aprs.net i
believe.What is the full logon address Now.
                        Thanks and Happy Holidays
                   Quentin            KC2CIM




---
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```

407. [aprssig] RE: Laptops / APRS

From: Doug Bade <doug@clecom.com>
Date: Thu, 19 Dec 2002 13:08:47 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-111680-2002.12.19-12.54.19--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

```
While I am really interested in this discussion of a tnc with
alternate connectivity, I am trying to envision exactly how a ethernet
(TCPIP?) based tnc would be implemented. I an not criticizing, but I get
how a USB version would function, just not ethernet at a mac layer, as I do
not know how to implement that type of connection? I get a ethernet/RF
modem type thing, but that is not exactly a tnc???? Like wireless ethernet
modem at 128k or 256k ( aka the 900 mhz project which seems to be stalled
for many different reasons) or something is one thing, but fill me in on
what I am not grogging please??
I do not mean this antagonistic, I am really interested in the concept.

Doug KB8GVQ



At 07:14 AM 12/19/2002 +1100, Darryl Smith wrote:

>SB can be implemented on a high-end mid-range PIC with little more than
>a differential transciever. Ethernet cannot - it requires a lot more
>interface. So, for instance, we are looking at a US$10 PIC and a $2
>transciever. For ethernet, you are looking at spending at least $50 for
>the equivalent. Having said that, if a member came to the board and told
>us they had an ethernet TNC and wanted TAPR to sell it as a Kit, I am
>sure that we would look at it favourably.
>
>So, my technical knowledge is not in question, although my sanity might
>be (after agreeing to join the Tapr board :-)
>
>Darryl


---
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```

408. [aprssig] RE: Laptops / APRS

From: Steve Dimse <k4hg@tapr.org>
Date: Thu, 19 Dec 2002 13:27:47 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: TAPR APRS Special Interest Group <aprssig@lists.tapr.org>
Message-ID: <LYR842-111683-2002.12.19-13.13.17--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

```
On 12/19/02 at 1:08 PM doug@clecom.com (Doug Bade) sent:

>         While I am really interested in this discussion of a tnc with
>alternate connectivity, I am trying to envision exactly how a ethernet
>(TCPIP?) based tnc would be implemented. I an not criticizing, but I get
>how a USB version would function, just not ethernet at a mac layer, as I do
>not know how to implement that type of connection? I get a ethernet/RF
>modem type thing, but that is not exactly a tnc???? Like wireless ethernet
>modem at 128k or 256k ( aka the 900 mhz project which seems to be stalled
>for many different reasons) or something is one thing, but fill me in on
>what I am not grogging please??
>I do not mean this antagonistic, I am really interested in the concept.
>
```

Virtually all languages and operating systems today provide a means for connecting via TCP. The TNC would be given a local address, the application program would open the conenction, and send and receive data just like they would when connected to the APRS Internet System.

In fact, with a little more programming in the TNC, it could be done without a single change to an application that supports the APRS IS, at least for simple applications like a single TNHC/computer combination.

The TNC could listen for packets like

K4HG>APRS,TCPIP*:!posit here

and use the payload to send a packet. Commands and configuration could be sent in messages, say to TNC, which would not be transmitted. Any application that supports the APRS IS would instantly work, of course with most apps only supporting a single internet connection, this couldn't be used as an IGate.

In a more normal mode, the TNC could be opened and packets sent and received just as the serial port is used, in most OSes there is no difference between a serial port and network connection from the program's view, they are just serial streams of data. The command could be a subset/superset of any TNC command set you favor...

Steve K4HG

---

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---

409. [aprssig] Re: aprsd215b9 with ax.25 support?

From: Wolf Hoeller <wolf.hoeller@gmx.net>
Date: Thu, 19 Dec 2002 19:22:04 +0100
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-111684-2002.12.19-13.19.44--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Hi All!

Have a look at www.db0lj.de !
Hans-Juergen did a good work to implement the ax25-socket into aprsd.

--
73 de Wolf, oe7ftj
ax25-mail: oe7ftj@oe7xlr.#oe7.aut.eu
email: oe7ftj(at)gmx.at
Have a look where I am: http://map.findu.com/oe7ftj-*

---

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Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

---

410. [aprssig] RE: Laptops / APRS

From: Doug Bade <dbade@clecom.com>
Date: Thu, 19 Dec 2002 13:40:25 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: TAPR APRS Special Interest Group <aprssig@lists.tapr.org>
Message-ID: <LYR842-111685-2002.12.19-13.26.02--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

It would seem like some or maybe all of the pieces already exist, as the Rabbit Semi Ethernet/TCPIP module already exists with serial code to talk serial through it is written. Is this the interface level we are talking about?? Just ethernet to encapsulate the serial commands and data to and from a "normal type" tnc?? This does not seem to be to difficult to build, although it would be an adapter to rs232 as opposed to integrated, but that integration could be addressed down the road? Some smarts to detect tnc to ethernet protocol sounds in order (routing?) , but an open connection duplex serial stream is pretty easy....Is this the right general idea?

Doug

```
At 01:27 PM 12/19/2002 -0500, Steve Dimse wrote:
> >alternate connectivity, I am trying to envision exactly how a ethernet
> >(TCPIP?) based tnc would be implemented. I an not criticizing, but I get
>...
>In fact, with a little more programming in the TNC, it could be done without a
>single change to an application that supports the APRS IS, at least for simple
>applications like a single TNHC/computer combination.
>...
>
>In a more normal mode, the TNC could be opened and packets sent and received
>just as the serial port is used, in most OSes there is no difference between a
>serial port and network connection from the program's view, they are just
>serial
>streams of data. The command could be a subset/superset of any TNC command set
>you favor...
>
>Steve K4HG


---
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```

---

411. [aprssig] RE: Laptops / APRS

From: Steve Dimse <k4hg@tapr.org>
Date: Thu, 19 Dec 2002 13:53:29 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: TAPR APRS Special Interest Group <aprssig@lists.tapr.org>
Message-ID: <LYR842-111687-2002.12.19-13.39.00--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

```
On 12/19/02 at 1:40 PM dbade@clecom.com (Doug Bade) sent:

>         It would seem like some or maybe all of the pieces already exist,
>as the Rabbit Semi Ethernet/TCPIP module already exists with serial code to
>talk serial through it is  written. Is this the interface level we are
>talking about?? Just ethernet to encapsulate the serial commands and data
>to and from  a "normal type" tnc?? This does not seem to be to difficult to
>build, although it would be an adapter to rs232 as opposed to integrated,
>but that integration could be addressed down the road? Some smarts to
>detect tnc to ethernet protocol sounds in order (routing?) , but an open
>connection duplex serial stream is pretty easy....Is this the right general
>idea?

That's the easy, compatible way, but beyond that there are lots of enhancements
you could make. For example, the TNC commands could be sent to one port and the
data to annother. Connected QSOs could occur through multiple ports. The TNC
could be made to listen for multiple connect callsigns, and direct each to
another port, or even another host...your TNC could be listening for my
callsign, and if someone tried to connect to my callsign in your area, the TNC
connects to my computer anywhere on earth through the interent. IGate code could
be written into the TNC, so that all you need is the TNC connected to your
internet to provide an IGate.

Lots of possibilities...

Steve K4HG

---
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```

---

412. [aprssig] Re: Email via APRS?

From: Martin Maxwell <maxwell679@cox.net>
Date: Thu, 19 Dec 2002 12:24:50 -0700
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: TAPR APRS Special Interest Group <aprssig@lists.tapr.org>
Message-ID: <LYR842-111688-2002.12.19-14.08.28--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

```
Yes you CAN send email direct from the D700 to an internet email
address.  I have done it several times..

Martin
N7TUP
Phoenix
```

Jim Lawyer wrote:

>I THOUGHT I'd seen something about the ability to send emails from rf to
>the internet but haven't been able to locate anything in the archives. Can
>anyone point me in the right direction?
>
>Thanks
>Jim, aa5qx
>
>---
>You are currently subscribed to aprssig as: maxwell679@cox.net
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>

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---

413. [aprssig] PTT on Printer port

From: "Ron and Val Smith" <rsmitj@tpgi.com.au>
Date: Fri, 20 Dec 2002 05:40:19 +1000
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-111691-2002.12.19-14.24.46--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Hi All,
I am setting up HF aprs for a trip where there is no VHF/UHF coverage. I
wish to use AGWPE as the interface to allow the running of both the APRS
software and normal packet software.
I amusing a laptop computer which has only one COM port and I need that for
the GPS. So I need to use the printer port for PTT. I understand that the
port needs some handshaking links to fool the computer into thinking a
printer is attached.
Can anyone advise me of what links are needed..
Thanks
Ron Smith
vk4ags

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---

414. [aprssig] Re: PTT on Printer port

From: "Mike Yetsko" <myetsko@insydesw.com>
Date: Thu, 19 Dec 2002 14:42:22 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-111692-2002.12.19-14.28.59--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

>   So I need to use the printer port for PTT. I understand that
the
> port needs some handshaking links to fool the computer into thinking a
> printer is attached.
> Can anyone advise me of what links are needed..
> Thanks
> Ron Smith
> vk4ags

I would think that you only need to fool the system that a printer is
attached if you're doing print stuff. In this case, you're just using a
pin as a 'port pin' operation.

Unless there is something special in your software....

Mike

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415. [aprssig] Re: PTT on Printer port

From: "Curt Mills, WE7U" <hacker@tc.fluke.com>
Date: Thu, 19 Dec 2002 11:47:47 -0800 (PST)
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: TAPR APRS Special Interest Group <aprssig@lists.tapr.org>
Message-ID: <LYR842-111694-2002.12.19-14.33.43--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

On Thu, 19 Dec 2002, Mike Yetsko wrote:

> > So I need to use the printer port for PTT. I understand that
> the
> > port needs some handshaking links to fool the computer into thinking a
> > printer is attached.
> > Can anyone advise me of what links are needed..
> > Thanks
> > Ron Smith
> > vk4ags
>
> I would think that you only need to fool the system that a printer is
> attached if you're doing print stuff. In this case, you're just using a
> pin as a 'port pin' operation.
>
> Unless there is something special in your software....

Can't he also rig up an adapter to run 3-wire serial to/from the
GPS and still use one of the RS-232 handshakes for a PTT circuit?
That way he'd only have to rig up that one port.

--
Curt Mills, WE7U hacker_NO_SPAM_@tc.fluke.com
Senior Methods Engineer/SysAdmin
"Lotto: A tax on people who are bad at math!"
"Windows: Microsoft's tax on computer illiterates!" -- WE7U
"The world DOES revolve around me: I picked the coordinate system!"

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416. [aprssig] Re: PTT on Printer port

From: "Ron and Val Smith" <rsmitj@tpgi.com.au>
Date: Fri, 20 Dec 2002 06:18:22 +1000
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-111696-2002.12.19-15.02.33--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Hi Curt,
I tried that and the aprs software reports cannot access COM port as another
program has control of it, in this case that would be AGWPE.
Cheers
Ron

----- Original Message -----
From: "Curt Mills, WE7U" <hacker@tc.fluke.com>
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Sent: Friday, 20 December 2002 5:47 AM
Subject: [aprssig] Re: PTT on Printer port

> On Thu, 19 Dec 2002, Mike Yetsko wrote:
>
> > > So I need to use the printer port for PTT. I understand that
> > the
> > > port needs some handshaking links to fool the computer into thinking a
> > > printer is attached.
> > > Can anyone advise me of what links are needed..
> > > Thanks
> > > Ron Smith
> > > vk4ags
> >
> > I would think that you only need to fool the system that a printer is

```
> > attached if you're doing print stuff.  In this case, you're just using a
> > pin as a 'port pin' operation.
> >
> > Unless there is something special in your software....
>
> Can't he also rig up an adapter to run 3-wire serial to/from the
> GPS and still use one of the RS-232 handshakes for a PTT circuit?
> That way he'd only have to rig up that one port.
>
> --
> Curt Mills, WE7U                    hacker_NO_SPAM_@tc.fluke.com
> Senior Methods Engineer/SysAdmin
> "Lotto:    A tax on people who are bad at math!"
> "Windows:  Microsoft's tax on computer illiterates!" -- WE7U
> "The world DOES revolve around me:  I picked the coordinate system!"
>
>
> ---
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```

417. [aprssig] Re: APRS Tracker legalities

From: "Lee H. Dahlen" <kd4tqz@qsl.net>
Date: Thu, 19 Dec 2002 17:14:1
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-111705-2002.12.19-17.59.36--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

```
The main answer is your question was once posed to Riley himself by yours
truly at the Boxboro Hamfest in 2000 with the following reply.   "Just as
with a repeater as long as the equipment can be "remotely" controlled by a
licensed ham ( IE: KPC3 and Plus etc.) it is perfectly legal to do".
However, It is also legal as was already stated for a non ham to turn
equipment off.  "The key element to remember is that the equipment must be
able to be turned off within the time limit specified by Part 97 should the
equipment malfunction"   Here's the word from the man himself, now take it
and run!!

Lee/KD4TQZ



On 12/10/02, ""Phil Pacier, AD6NH" <ad6nh@arrl.net>" wrote:
> I wanted to throw this out and see what you guys think.  I'm in charge of a
small task force looking into the feasibility and legalities of installing
APRS trackers in more Baker to Vegas relay race chase vehicles.  The
question we're trying to tackle is whether or not it is legal to have a
simple tracker (a device that only transmits a position beacon on 144.39
and has no other transmission mode or frequency capability) in the vehicle
with no licensed ham present.  My own thought was that trackers might fall
into the same category as digis and repeaters - there needs to be a
control
operator who is responsible for the transmission, but does not necessarily
need to be "on site."  For example, if a monitoring station noticed a
tracker transmitting erroneous data or harmful interference, a person in
the vehicle could be contacted to "pull the plug".  Is this too much of a
stretch?

The APRS community has been very accommodating when it comes to the Baker
to Vegas race, allowing tactical callsigns to be used in tracking
vehicles.
 Our goal is to get trackers in a majority of the vehicles so that team
members and viewers at home can watch the "virtual race".  It also serves
its purpose in emergency situations, obviously.

Any comments you may have about this would be welcomed.  Thanks for your
time.  Continue to check the Baker to Vegas java tracking page at
http://www.aprsca.net/bakervegas.asp - soon there will be more detailed
maps and a new interface for tracking.  Enjoy!  73s.
```

Phillip Pacier - AD6NH
www.aprsca.net

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418. [aprssig] Re: PTT on Printer port

From: "Mike Yetsko" <myetsko@insydesw.com>
Date: Thu, 19 Dec 2002 19:26:57 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-111717-2002.12.19-19.13.38--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

You know, if you had the source....

You could make the one program talk to a new program that does nothing
but interface to the serial port.

Then have the other program also talk to this new program that again,
does nothing but interface to the serial port....

Mike

> Hi Curt,
> I tried that and the aprs software reports cannot access COM port as
another
> program has control of it, in this case that would be AGWPE.
> Cheers
> Ron
>

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Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

419. [aprssig] Re: Ethernet vs USB

From: "James Lux" <aprssig@luxfamily.com>
Date: Thu, 19 Dec 2002 23:16:5
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-111749-2002.12.20-00.01.43--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

There IS a ethernet TNC available, at least in Europe. It's the TNC4e, and a bit pricey, but it does have 3 radio ports, an expansion port, and the Ethernet interface. It appears that the Europeans are forging ahead with very high speed packet interfaces (the TNC4e does >600 kbps)..

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Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

420. [aprssig] Re: Ethernet vs USB - Ethernet Wins?

From: "Darryl Smith" <Darryl@radio-active.net.au>
Date: Fri, 20 Dec 2002 16:50:44 +1100
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: "'TAPR PIC Development Special Interest Group'" <picsig@lists.tapr.org>
Message-ID: <LYR842-111752-2002.12.20-00.42.53--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

People

Seems to me like there is a possible project. A multi-port ethernet TNC - that is if people are up the challenge.

Rabbit Semiconductor has a number of PLUG IN CPU/ETHERNET modules, which means that the hard surface mount stuff is on a board that is purchased ready built. They come with a 10/100 mBit ethernet... And for an organisation like TAPR we could buy the CPU modules on demand, and plug them in as required.

More details on the core modules is available on
http://www.rabbitsemiconductor.com/products/coreModules.html

They even have prototyping boards now...

I have done a dual port serial server at one stage with control for
bitrates etc on an additional port, but I have lost the code thanks to a
HDD crash (Mind you, that is all I lost).

I can see a multi-port TNC being made out of this thing... The serial
ports are good for high speed, and for low speed you can use bit
bashing. The CPU load on having 4 paralell RX or TX is not much more
than having a single one.

To do a project like this TAPR needs people. I would love to do it, but
I don't have any RabbitCore development boards, and I suspect that I
have enough things on my plate.

```
Proposal
        RabbitCore based ETHERNET TNC
        4-6 1200 bps Modems (based on MX614) with TNC-2 sockets
        2-6 two wire RS-232 IO ports (opt)
        Serial IP configuration through one serial port if an IO pin is
HIGH
        TCP/IP software so that an APRS server could telnet into this
box and get APRS packets
        4" x 6" PCB
```

Who is up for this project...

Darryl

Darryl Smith, VK2TDS   POBox 169 Ingleburn NSW 2565 Australia
Mobile Number 0412 929 634 [+61 4 12 929 634 International]
Darryl@radio-active.net.au | www.radio-active.net.au

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---

421. [aprssig] Re: PTT on Printer port

From: Ralph Milnes <milnes1@rcn.com>
Date: Fri, 20 Dec 2002 10:30:21 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-111776-2002.12.20-10.16.01--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Ron asked about AGWPE:

>I need to use the printer port for PTT. I understand that the
>port needs some handshaking links to fool the computer into thinking a
>printer is attached.

I don't think you need anything other than AGWPE configured to use an LPT
port -- and of course a change in the PTT-to-radio connection.

See: http://users.rcn.com/milnes1/soundcardpacket/cableptt.htm

(If you are running Windows 2000 there may be a bug with printer port use.
See #8 on this page for a work-around:
http://users.rcn.com/milnes1/soundcardpacket/probtx.htm

An option to the PTT port is to use a USB port (if you have one on the
laptop) and a Serial-to-USB adapter for about $30. They do work -- I run
with one 100% of the time.

73 and Happy Holidays!

Ralph KC2RLM

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422. [aprssig] Re: PTT on Printer port

From: "Ron and Val Smith" <rsmitj@tpgi.com.au>
Date: Sat, 21 Dec 2002 05:17:34 +1000
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-111788-2002.12.20-14.03.23--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

```
Hi Ralph,
I tried that and the data lines go high and stay there. I have done some web
searching and the info talks about having to tell the printer port that the
data has been received, printer is ready etc, so that the next bit of data
can be sent. (The data outputs control the ptt).  If this is not done the
printer port just keeps sending the old info (keeps ptt on). When it
receives the appropriate acknowledgement the printer port will then send the
00000000 which will turn ptt off.
I will investigate the idea of usb to serial converters.
Thanks
Ron

----- Original Message -----
From: "Ralph Milnes" <milnes1@rcn.com>
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Sent: Saturday, 21 December 2002 1:30 AM
Subject: [aprssig] Re: PTT on Printer port


> Ron asked about AGWPE:
>
> >I need to use the printer port for PTT.  I understand that the
> >port needs some handshaking links to fool the computer into thinking a
> >printer is attached.
>
> I don't think you need anything other than AGWPE configured to use an LPT
> port -- and of course a change in the PTT-to-radio connection.
>
> See:  http://users.rcn.com/milnes1/soundcardpacket/cableptt.htm
>
> (If you are running Windows 2000 there may be a bug with printer port use.
> See #8 on this page for a work-around:
> http://users.rcn.com/milnes1/soundcardpacket/probtx.htm
>
> An option to the PTT port is to use a USB port (if you have one on the
> laptop) and a Serial-to-USB adapter for about $30. They do work -- I run
> with one 100% of the time.
>
> 73 and Happy Holidays!
>
> Ralph KC2RLM
>
>
>
>
>
> ---
> You are currently subscribed to aprssig as: rsmitj@tpgi.com.au
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> Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org
>




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Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org
```

423. [aprssig] HELP

From: "George Kammerzell Jr" <gkammerzell@microlink-d.com>
Date: Fri, 20 Dec 2002 12:21:13 -0700
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: <TinyTrak@yahoogroups.com>
Message-ID: <LYR842-111793-2002.12.20-14.06.47--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

```
Anyone out there have a KPC 3 book or other sources and a scanner  ? I need
the tnc hook up for the icom ic-w2a , IT IS NOT in the online PDF and so far
```

no luck on the internet
HELP and thanks
n0zed

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424. [aprssig] SAFIR Digipeater Operations

From: Bob Bruninga <bruninga@usna.edu>
Date: Fri, 20 Dec 2002 14:29:56 -0500 (EST)
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: TAPR APRS SIG <aprssig@lists.tapr.org>, <aprsnews@tapr.org>
Message-ID: <LYR842-111795-2002.12.20-14.15.56--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

A NEW digipeater satellite was launched today called SAFIR. It can be used for APRS!

Listen for it this evening with the same PCSAT downlink of 145.825, but it will be 9600 baud. Because of the 9600 baud, any Kenwood or Alinco with the built in 9600 baud TNC can receive it, though we dont know how strong it is. My recommendation is for everyone with a Kenwood to LISTEN at 9600 and everyone else without 9600 baud, TRANSMIT on the 1200 bauud uplink on 435.275 MHz +/- 10 KHz of Doppler. Even if you cannot decode your own donwlink at 9600, maybe you will hear a noise burst just after you transmit. The path is VIA the callsign of DP0AIS (thats a zero).

My suggestion is to be gentle. Maybe one packet every minute or so. or if unattended overnight, maybe one packet every 2 minutes.

We estimate these times:

USA passes are:

```
PST  MST  CST  EST
---- ---- ---- ----
          1826 1926
1805 1905 2005 2105
1950 2050 2150 2250
2135 2235 2335
2320 0020
0100           0400
     0340 0440 0540
0420 0520 0620 0720
0600 0700 0800
0745
```

On Fri, 20 Dec 2002, Oliver Amend wrote:

> The official call-sign is DP0AIS.
>
> Satellite acts in the first phase as X.25-packet digipeater with
>   Downlink: 145,825 MHz, AX.25, 9k6
>   UplinkL: 435,275 MHz, AX.25, 1k2 <== notice the different rate

SAFIR digipeater is on the spacecraft called RUBIN2. These are the elements:

```
RUBIN2
1 11111U 02111B   02354.71969826 -.00000029  00000-0  10000-3 0  0001
2 11111  64.5497  19.2390 0026940 134.0059  98.0376 14.73229074000001
```

de WB4APR, Bob

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425. [aprssig] Re: Ethernet vs USB - Ethernet Wins?

From: Adi Linden <adil@adis.on.ca>
Date: Fri, 20 Dec 2002 13:37:04 -0600 (CST)
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>

Cc: TAPR APRS Special Interest Group <aprssig@lists.tapr.org>,
"'TAPR PIC Development Special Interest Group'" <picsig@lists.tapr.org>
Message-ID: <LYR842-111799-2002.12.20-14.19.05--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Hi Darryl,

> - that is if people are up the challenge.
> Seems to me like there is a possible project. A multi-port ethernet TNC

I played briefly with an Atmel AT90S8515 and some ATmega CPU's and a Realtek ethernet controller (same is used in the RabbitCore). There is a all integrated ethernet controller available from Crystal as well. I haven't invested too much time into this yet. I briefly worked on an embedded ethernet project but left it for the future in favour of getting an IRLP node and APRS iGate and digipeater up and running. I mostly read up on the intricate details of TCP/IP, UDP and open source development tools that support Atmel.

I looked at the Rabbit product and decided to go Atmel instead. For the most part this was based on my unwillingness to purchase proprietary development tools, when a just as powerful microcontroller has open source development tools available. Also, in my case, all my workstations are Linux, I don't use Windows. When I looked at the Rabbit, no Linux development tools were available. Yet another reason to not go that route.

I am very interested in this project, it really goes hand in hand with what I am trying to accomplish now using Baycom type hardware and multiple serial ports. Using ethernet instead of serial interfaces would most certainly greatly increase the flexibility of running multiple TNC's on the same computer. I'd prefer not to purchase a Rabbit Development Kit and use Windows as a development platform, though.

For ethernet connectivity there are a few prebuilt ethernet modules available that allow a microcontroller to be connected to ethernet, here are some of these resources:

Hardware (Ethernet):
http://www.embeddedethernet.com/
http://www.edtp.com/
http://www.siteplayer.com/
http://www.netburner.com/

Herdware (Atmel & Ethernet):
http://www.ethernut.de/en/
http://avr.jpk.co.nz/eavr/eavr.html

Code:
http://dunkels.com/adam/uip/
http://www.sics.se/~adam/lwip/index.html

Regards,
Adi
va3adi

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426. [aprssig] RE: HELP

From: "George Kammerzell Jr" <gkammerzell@microlink-d.com>
Date: Fri, 20 Dec 2002 13:07:29 -0700
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: <aprssig@lists.tapr.org>
Message-ID: <LYR842-111801-2002.12.20-14.52.07--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Thanks PAT , that was the one
73's n0zed

-----Original Message-----
From: Pat Karp [mailto:pkarp@conwaycorp.net]
Sent: Friday, December 20, 2002 1:02 PM
To: George Kammerzell Jr
Subject: Re: [aprssig] HELP

here you go! Hope this works for you. 8)
----- Original Message -----
From: "George Kammerzell Jr" <gkammerzell@microlink-d.com>
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: <TinyTrak@yahoogroups.com>
Sent: Friday, December 20, 2002 1:21 PM
Subject: [aprssig] HELP

> Anyone out there have a KPC 3 book or other sources and a scanner ? I
need
> the tnc hook up for the icom ic-w2a , IT IS NOT in the online PDF and so
far
> no luck on the internet
> HELP and thanks
> n0zed
>
>
> ---
> You are currently subscribed to aprssig as: pkarp@conwaycorp.net
> To unsubscribe send a blank email to leave-aprssig-842K@lists.tapr.org
> Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org
>
>
>

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---

427. [aprssig] Ethernet vs USB - Ethernet Wins?

From: "Wes Johnston" <wes@johnston.net>
Date: Fri, 20 Dec 2002 16:15:15 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-111812-2002.12.20-16.01.23--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

FWIW, the rabbit comes with a telnet application which will do KISS TNC right out of the box. The only scary part is that you need a way to validate who can connect and who can't if it's going to be on the public internet. If you are behind a firewall, you can have such a thing running in a matter of minutes right out of the box (in a one PC to one TNC application). you need only to install DHCP (if you choose) and the standard telnet application.

The problem I am having is that I'm not able to use this "virtual serial port" function which is included in the tcp/ip stack. I want a rabbit IGATE and it requires filtering local / internet traffic, and filtering opt-out traffic on RF as well as 3rd party messages. The little rabbit can't keep up on the full aprsIS stream. Serving one TNC to a few (like 5 or 10) PCs would not be a problem at all.

All of this raises the question... does anyone know of a Ethernet to serial adapter (like a USB to serial adpater) which is reasonably priced? Sheesh, ethernet chipsets are cheap, and if a 16f628 can talk with a USART, why hasn't this been made before? Hate to reinvent the wheel... and if such a critter were as cheap as usb to serial ($30), there is your ethernet TNC interface.

Wes

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---

428. [aprssig] Re: Ethernet vs USB - Ethernet Wins?

From: Jeff King <jeff@aerodata.net>
Date: Fri, 20 Dec 2002 15:29:29 -0600 (CST)
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-111817-2002.12.20-16.15.03--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

The TINI has a standard EtherNet to Serial application:

http://www.ibutton.com/TINI/applications/sertoeth/index.html

But it would take some work to get it at your $30 point.

-Jeff

Quoting Wes Johnston <wes@johnston.net>:

> FWIW, the rabbit comes with a telnet application which will do KISS
> TNC
> right out of the box. The only scary part is that you need a way to
> validate who can connect and who can't if it's going to be on the
> public
> internet. If you are behind a firewall, you can have such a thing
> running
> in a matter of minutes right out of the box (in a one PC to one TNC
> application). you need only to install DHCP (if you choose) and the
> standard telnet application.
>
> The problem I am having is that I'm not able to use this "virtual
> serial
> port" function which is included in the tcp/ip stack.

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429. [aprssig] Re: PTT on Printer port

From: "Mike Yetsko" <myetsko@insydesw.com>
Date: Fri, 20 Dec 2002 16:48:56 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-111823-2002.12.20-16.35.51--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

> Hi Ralph,
> I tried that and the data lines go high and stay there. I have done some
web
> searching and the info talks about having to tell the printer port that
the
> data has been received, printer is ready etc, so that the next bit of
data
> can be sent. (The data outputs control the ptt). If this is not done
the
> printer port just keeps sending the old info (keeps ptt on). When it
> receives the appropriate acknowledgement the printer port will then send
the
> 00000000 which will turn ptt off.
> I will investigate the idea of usb to serial converters.
> Thanks
> Ron

If you mean you are using the printer port and sending a 'print byte',
then
yes, you may have to do that.

If you mean you are using the pins as 'port pins', then no, you shouldn't
have to do that.

To make a printer port appear 'valid', you will have to pull the 'status
lines' to a 'valid' state.

But, the 'ack' your talking about probably means tying the 'strobe' on
pin 1 to the ack. If you are sending a byte, the standard print drive
will
place a byte on pins 2-9 and then toggle the print strobe. (I have to say
that's a pretty poor way of doing it though...)

Mike

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Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

430. [aprssig] PROPOSAL : Ethernet 4-port TNC

From: "Darryl Smith" <Darryl@radio-active.net.au>
Date: Sat, 21 Dec 2002 18:51:24 +1100
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-111903-2002.12.21-02.42.51--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

People.

There is some interest in an ETHERNET TNC based on the RABBIT SEMICONDUCTOR CPU's. If you want to participate, please contact me directly. I will then work out how we do this.

Darryl VK2TDS
TAPR BOARD

Ethernet Enabled multi-port TNC based on a Rabbit processor.

Scope of Project

1. Develop an interface board for the RabbitCore TCP/IP processor modules with embedded Ethernet with the following interfaces
    a. Up to FOUR 1200 bps modem ports with MX-614's, PTT hardware, TNC-2 5-pin DIN sockets, Input and Output level adjustment
    b. Two (Four) RS-232 level two wire serial ports (depending on RabbitCore chosen).
    c. One TTL level serial port with optional RS-485
    d. LED's on Front panel for activity indication
    e. Programming Port so that no special cables are needed
2. Develop Software for this device
    a. Bit Bash-ed AX-25 I/O
    b. TCP/IP server with different IP port for each physical port
    c. AX-25 reception
    d. AX-25 over TCP/IP & Ethernet

Hardware

The Rabbit Semiconductor (http://www.rabbitsemiconductor.com/index.html) RabbitCore processor modules are to be used for this project. The reason is that this means that no surface mount work is needed to get the CPU working. It also means that the CPU CORE can be purchased on demand rather than during kit production.

I am proposing that the board accept either the older or newer RabbitCore modules by having two sets of headers.

10/100 RabbitCore 3000	$89
10 RabbitCore 3000	$79
10 RabbitCore 2000	$59

The capabilities of the 3000 series modules includes

. 10/100Base-T Ethernet
. Rabbit 3000T microprocessor at 44.2 MHz
. 3.3 V operation
. Low-EMI
. 512K Flash
. 512K SRAM (program), 256K SRAM (data)
. 52 digital I/O
. 6 serial ports (IrDA, SDLC/HDLC, Async, SPI)

Available Software

Some of the needed software has already been written and just needs to be integrated. This code includes

1. Telnet SERVER code with the Dynamic C compiler
2. AX25 receive code - Darryl VK2TDS

The software needs to be integrated and expanded.

Software Stages

1. TCP/IP server
2. Serial Configuration Port
3. TCP/IP Configuration Port
4. AX.25 reception - Single Port

5. TCP/IP Server on multiple ports
6. AX.25 reception on multiple ports.
7. UPROTO transmission of packets on single port
8. UPROTO transmission on multiple ports

Somewhere about this stage the product would be released, and it would be hoped that the ham radio community could complete the final stages. They would be

9. Connected Mode reception
10. Connected Mode transmission
11. TNC command set through telnet.

Development Kits

Many amateurs already own a Rabbit 'C' Compiler and can program these devices themselves. For those that cannot, a full kit of 'C' compiler, Core Module, Prototyping Board, Plugpack can be purchased for $299/349 depending on the model.

Deliverables

1. Prototype PCB design
2. Schematic
3. Working CODE
4. User Manual
5. Construction Manual

Resources Required

At this stage the required resources are unknown. We would anticipate that there be 1-2 versions of the prototype PCB constructed before the product is released. Thanks to the nature of this product it is not anticipated that there would be any advantage in going for a formal BETA release of the product once the board is designed and working.

Options for Sale

A number of options exist for the eventual release of this kit. They include
. Parts and PCB only, without CPU Core
. Full KIT

Darryl Smith, VK2TDS   POBox 169 Ingleburn NSW 2565 Australia
Mobile Number 0412 929 634 [+61 4 12 929 634 International]
Darryl@radio-active.net.au | www.radio-active.net.au

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Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

---

431. [aprssig] Re: Ethernet vs USB

From: "Michael Lussier" <k4mqf@direcway.com>
Date: Sat, 21 Dec 2002 12:37:47
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-111943-2002.12.21-13.23.27--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

I recently played with a Belkin USB to serial adapter that gets it power from the USB port. I set it up a Com10: and I have it connected to one of my KPC-3. No complaints here with its abilities.
I'm using it on a machine running WIndows XP Pro. It appears to be no limitation as to how many of these you can have if you have a hub connected to your computer.

Let me say this though as a network person I would prefer an ethernet connection in place of serial. but I would also perfer at least a USB port as well for a programming backup port.

Mike K4MQF

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432. [aprssig] Re: PTT on Printer port

From: "Ron and Val Smith" <rsmitj@tpgi.com.au>
Date: Sun, 22 Dec 2002 05:34:37 +1000
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-111955-2002.12.21-14.19.06--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Hi Mike,
I am not doing it. I appears that is what AGWPE does.
Cheers
Ron

----- Original Message -----
From: "Mike Yetsko" <myetsko@insydesw.com>
To: "Ron and Val Smith" <rsmitj@tpgi.com.au>; "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Sent: Saturday, 21 December 2002 7:48 AM
Subject: Re: [aprssig] Re: PTT on Printer port

```
>
>
> > Hi Ralph,
> > I tried that and the data lines go high and stay there. I have done some
> web
> > searching and the info talks about having to tell the printer port that
> the
> > data has been received, printer is ready etc, so that the next bit of
> data
> > can be sent. (The data outputs control the ptt).  If this is not done
> the
> > printer port just keeps sending the old info (keeps ptt on). When it
> > receives the appropriate acknowledgement the printer port will then send
> the
> > 00000000 which will turn ptt off.
> > I will investigate the idea of usb to serial converters.
> > Thanks
> > Ron
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> If you mean you are using the printer port and sending a 'print byte',
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> yes, you may have to do that.
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> If you mean you are using the pins as 'port pins', then no, you shouldn't
> have to do that.
>
> To make a printer port appear 'valid', you will have to pull the 'status
> lines' to a 'valid' state.
>
> But, the 'ack' your talking about probably means tying the 'strobe' on
> pin 1 to the ack.  If you are sending a byte, the standard print drive
> will
> place a byte on pins 2-9 and then toggle the print strobe.  (I have to say
> that's a pretty poor way of doing it though...)
>
> Mike
>
>
```

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433. [aprssig] Re: PTT on Printer port

From: "Ron and Val Smith" <rsmitj@tpgi.com.au>
Date: Sun, 22 Dec 2002 05:37:11 +1000
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>

Message-ID: <LYR842-111956-2002.12.21-14.21.02--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Hi Ralph,
AGWPE is version 2002.10.
Windows is XP Pro.
Laptop is 2 weeks old.
Cheers
Ron

----- Original Message -----
From: "Ralph Milnes" <milnes1@rcn.com>
To: "Ron and Val Smith" <rsmitj@tpgi.com.au>
Sent: Saturday, 21 December 2002 8:20 AM
Subject: Re: [aprssig] Re: PTT on Printer port

> Ron,
>
> I'm not an expert on this, but I don't think a device on the PTT port has
> to send anything back. Windows and AGWPE work it out so that voltage is
> applied to the PTT pin momentarily and then when the packet is done, the
> voltage on the pin is switched off. If voltage stays on, then either
> Windows or AGWPE is creating a problem.
>
> What version of AGWPE are you using?
>
> Which version of Windows?
>
> I think I've read that AGWPE's use of the LPT port can create problems in
> some machines. I'll check my records about that to see what I can find.
>
> What type and how old is the laptop?
>
> 73,
>
> Ralph
>
> At 02:17 PM 12/20/2002, you wrote:
> >Hi Ralph,
> >I tried that and the data lines go high and stay there. I have done some
web
> >searching and the info talks about having to tell the printer port that
the
> >data has been received, printer is ready etc, so that the next bit of
data
> >can be sent. (The data outputs control the ptt). If this is not done the
> >printer port just keeps sending the old info (keeps ptt on). When it
> >receives the appropriate acknowledgement the printer port will then send
the
> >00000000 which will turn ptt off.
> >I will investigate the idea of usb to serial converters.
> >Thanks
> >Ron
> >
> >----- Original Message -----
> >From: "Ralph Milnes" <milnes1@rcn.com>
> >To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
> >Sent: Saturday, 21 December 2002 1:30 AM
> >Subject: [aprssig] Re: PTT on Printer port
> >
> >
> > > Ron asked about AGWPE:
> > >
> > > >I need to use the printer port for PTT. I understand that the
> > > >port needs some handshaking links to fool the computer into thinking
a
> > > >printer is attached.
> > >
> > > I don't think you need anything other than AGWPE configured to use an
LPT
> > > port -- and of course a change in the PTT-to-radio connection.
> > >
> > > See: http://users.rcn.com/milnes1/soundcardpacket/cableptt.htm
> > >
> > > (If you are running Windows 2000 there may be a bug with printer port
use.
> > > See #8 on this page for a work-around:
> > > http://users.rcn.com/milnes1/soundcardpacket/probtx.htm
> > >

> > > An option to the PTT port is to use a USB port (if you have one on the
> > > laptop) and a Serial-to-USB adapter for about $30. They do work -- I
run
> > > with one 100% of the time.
> > >
> > > 73 and Happy Holidays!
> > >
> > > Ralph KC2RLM
> > >
> > >
> > >
> > >
> > >
> > > ---
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> > > To unsubscribe send a blank email to
leave-aprssig-842K@lists.tapr.org
> > > Questions regarding the SIG go to the SIG administrator:
wa1lou@tapr.org
> > >
>
>

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Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

---

434. [aprssig] Re: PTT on Printer port

From: "Ron and Val Smith" <rsmitj@tpgi.com.au>
Date: Sun, 22 Dec 2002 06:10:10 +1000
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-111957-2002.12.21-14.53.56--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Thanks, Ralph.

----- Original Message -----
From: "Ralph Milnes" <milnes1@rcn.com>
To: "Ron and Val Smith" <rsmitj@tpgi.com.au>
Sent: Sunday, 22 December 2002 5:57 AM
Subject: Re: [aprssig] Re: PTT on Printer port

> Hi Ron,
>
> OK. Checking back through my email archives, I do find email messages from
> someone else who was having a problem with LPT control in AGWPE... so
there
> may be a bug in AGWPE, especially with XP or Win 2K (which apparently use
a
> different routine for controlling ports as compared to earlier versions of
> Windows).
>
> Since the time of those messages, George SV2AGW has released newer "beta"
> versions of AGWPE that may or may not have fixed the problem. You should
be
> able to get version 2002.1122.2 at:
>
>   http://www.raag.org/sv2agw/agwpenew.zip
>
> This file contains only a new .exe file, not all the files you need for
> AGWPE, so you'd replace the exe file in your existing AGWPE directory,
> perhaps saving the old .exe (ver. 2002.10) first under a different name.
>
> Let me know if you have any success.
>
> Also, since XP Pro is very similar to Windows 2000 (where a known LPT bug
> exists), you might try the fix on XP Pro for the Windows 2000 bug
mentioned
> at: http://users.rcn.com/milnes1/soundcardpacket/probtx.htm
>
> If you want, I can also send along the emails I have which discuss the
bug.
>
> 73,

```
>
> Ralph KC2RLM
>
> At 02:37 PM 12/21/2002, you wrote:
> >Hi Ralph,
> >AGWPE is version 2002.10.
> >Windows is XP Pro.
> >Laptop is 2 weeks old.
> >Cheers
> >Ron
> >
> >----- Original Message -----
> >From: "Ralph Milnes" <milnes1@rcn.com>
> >To: "Ron and Val Smith" <rsmitj@tpgi.com.au>
> >Sent: Saturday, 21 December 2002 8:20 AM
> >Subject: Re: [aprssig] Re: PTT on Printer port
> >
> >
> > > Ron,
> > >
> > > I'm not an expert on this, but I don't think a device on the PTT port
has
> > > to send anything back. Windows and AGWPE work it out so that voltage
is
> > > applied to the PTT pin momentarily and then when the packet is done,
the
> > > voltage on the pin is switched off. If voltage stays on, then either
> > > Windows or AGWPE is creating a problem.
> > >
> > > What version of AGWPE are you using?
> > >
> > > Which version of Windows?
> > >
> > > I think I've read that AGWPE's use of the LPT port can create problems
in
> > > some machines. I'll check my records about that to see what I can
find.
> > >
> > > What type and how old is the laptop?
> > >
> > > 73,
> > >
> > > Ralph
> > >
> > > At 02:17 PM 12/20/2002, you wrote:
> > > >Hi Ralph,
> > > >I tried that and the data lines go high and stay there. I have done
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> >web
> > > >searching and the info talks about having to tell the printer port
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> >the
> > > >data has been received, printer is ready etc, so that the next bit of
> >data
> > > >can be sent. (The data outputs control the ptt).  If this is not done
the
> > > >printer port just keeps sending the old info (keeps ptt on). When it
> > > >receives the appropriate acknowledgement the printer port will then
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> >the
> > > >00000000 which will turn ptt off.
> > > >I will investigate the idea of usb to serial converters.
> > > >Thanks
> > > >Ron
> > > >
> > > >----- Original Message -----
> > > >From: "Ralph Milnes" <milnes1@rcn.com>
> > > >To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
> > > >Sent: Saturday, 21 December 2002 1:30 AM
> > > >Subject: [aprssig] Re: PTT on Printer port
> > > >
> > > >
> > > > > Ron asked about AGWPE:
> > > > >
> > > > > >I need to use the printer port for PTT.  I understand that the
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> >a
> >+> > > >printer is attached.
> > > > >
> > > > > I don't think you need anything other than AGWPE configured to use
an
> >LPT
> > > > > port -- and of course a change in the PTT-to-radio connection.
> > > > >
> > > > > See:  http://users.rcn.com/milnes1/soundcardpacket/cableptt.htm
> > > > >
> > > > > (If you are running Windows 2000 there may be a bug with printer
port
> >use.
> > > > > See #8 on this page for a work-around:
> > > > > http://users.rcn.com/milnes1/soundcardpacket/probtx.htm
> > > > >
> > > > > An option to the PTT port is to use a USB port (if you have one on
the
> > > > > laptop) and a Serial-to-USB adapter for about $30. They do work --
I
> >run
> > > > > with one 100% of the time.
> > > > >
> > > > > 73 and Happy Holidays!
> > > > >
> > > > > Ralph KC2RLM
> > > > >
> > > > >
> > > > >
> > > > >
> > > > >
> > > > > ---
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> >wa1lou@tapr.org
> > > > >
> > >
> > >
>
>



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```

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435. [aprssig] Re: Direct TV DSL SK

From: "J.Duffy Beischel" <wb8nut@arrl.net>
Date: Sat, 21 Dec 2002 16:0:31
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-111963-2002.12.21-16.46.18--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

```
Steve,

FeaturePrice (www.featureprice.com) is very reasonable shared hosting.
Fixed IP address and unlimited traffic.  Very reasonable monthly fee.

Duffy
www.wb8nut.com

---
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Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org
```

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436. [aprssig] UI-VIEW and WEATHER WARNINGS

From: "Spider" <spider@rivcom.net>
Date: Sat, 21 Dec 2002 18:38:22 -0700
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-111978-2002.12.21-20.24.19--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

```
FYI...  UI-VIEW32 now supports the NWS weather Alerts/Watches/Warnings!

www.uiview.com
```

What an awesome program!

Jim - WA6OFT

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---

437. [aprssig] VX-150 on Packet

From: "Matthew Stennett" <wa4tkg@iwon.com>
Date: Sun, 22 Dec 2002 01:06:02 -0500 (EST)
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-112038-2002.12.22-00.52.02--lyris.aprssig#tapr.org@lists.tapr.org>
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Anyone ever wire one of these and run it on packet?
Any problems?

____
Can a Web portal forever change your life?
Win up to $25 Million on iWon - click here!

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438. [aprssig] Re: VX-150 on Packet

From: "Jason Rausch" <ke4nyv@msn.com>
Date: Sun, 22 Dec 2002 2:1:16
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-112043-2002.12.22-02.47.30--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Yes, I found the easiest way to do it was to use Yaesu's single pin to dual socket adapter and split into the traditional 1/8" spk out and 3/32" mic in. Then wire it as you would normaly for a Icom/Yaesu like configuration. I finally broke down and bought a 1/8" four conductor connector with bare wire ends at a hamfest for $12! It was nice to have for making a very custom cable but hard to justify the price for several cables.

With the adapter I could just use all of my old cables that I had orginally made up for use with my RS HTX-202. Seems to work ok.

One thing about the VX-150, the packet deviation seems to be ok, but I have been getting low audio reports when using the HT for voice. Has anyone else seen this? When I get around to it I plan to order a service manual and take it to work and put it on my service monitor at my bench.

I have some pics of the adapter on my website under my Portable Packet and TinyTrak sections at www.ke4nyv.com

Hope that helps, 73's
Jason KE4NYV
www.ke4nyv.com

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439. [aprssig] RE: PROPOSAL : Ethernet 4-port TNC

From: "Andrew Rich" <andrew.rich@bigpond.com>
Date: Sun, 22 Dec 2002 19:32:54 +1000
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-112047-2002.12.22-04.18.48--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

I think Darryl is doing an excellent job on this project

-----Original Message-----
From: bounce-aprssig-30130@lists.tapr.org
[mailto:bounce-aprssig-30130@lists.tapr.org]On Behalf Of Darryl Smith
Sent: Saturday, 21 December 2002 17:51
To: TAPR APRS Special Interest Group
Subject: [aprssig] PROPOSAL : Ethernet 4-port TNC

People.

There is some interest in an ETHERNET TNC based on the RABBIT SEMICONDUCTOR CPU's. If you want to participate, please contact me directly. I will then work out how we do this.

Darryl VK2TDS
TAPR BOARD

Ethernet Enabled multi-port TNC based on a Rabbit processor.

Scope of Project

1. Develop an interface board for the RabbitCore TCP/IP processor modules with embedded Ethernet with the following interfaces
    a. Up to FOUR 1200 bps modem ports with MX-614's, PTT hardware, TNC-2 5-pin DIN sockets, Input and Output level adjustment
    b. Two (Four) RS-232 level two wire serial ports (depending on RabbitCore chosen).
    c. One TTL level serial port with optional RS-485
    d. LED's on Front panel for activity indication
    e. Programming Port so that no special cables are needed
2. Develop Software for this device
    a. Bit Bash-ed AX-25 I/O
    b. TCP/IP server with different IP port for each physical port
    c. AX-25 reception
    d. AX-25 over TCP/IP & Ethernet

Hardware

The Rabbit Semiconductor (http://www.rabbitsemiconductor.com/index.html) RabbitCore processor modules are to be used for this project. The reason is that this means that no surface mount work is needed to get the CPU working. It also means that the CPU CORE can be purchased on demand rather than during kit production.

I am proposing that the board accept either the older or newer RabbitCore modules by having two sets of headers.

10/100 RabbitCore 3000	$89
10 RabbitCore 3000	$79
10 RabbitCore 2000	$59

The capabilities of the 3000 series modules includes

. 10/100Base-T Ethernet
. Rabbit 3000T microprocessor at 44.2 MHz
. 3.3 V operation
. Low-EMI
. 512K Flash
. 512K SRAM (program), 256K SRAM (data)
. 52 digital I/O
. 6 serial ports (IrDA, SDLC/HDLC, Async, SPI)

Available Software

Some of the needed software has already been written and just needs to be integrated. This code includes

1. Telnet SERVER code with the Dynamic C compiler
2. AX25 receive code - Darryl VK2TDS

The software needs to be integrated and expanded.

Software Stages

1. TCP/IP server

2.   Serial Configuration Port
3.   TCP/IP Configuration Port
4.   AX.25 reception - Single Port
5.   TCP/IP Server on multiple ports
6.   AX.25 reception on multiple ports.
7.   UPROTO transmission of packets on single port
8.   UPROTO transmission on multiple ports

Somewhere about this stage the product would be released, and it would be hoped that the ham radio community could complete the final stages. They would be

9.   Connected Mode reception
10.   Connected Mode transmission
11.   TNC command set through telnet.

Development Kits

Many amateurs already own a Rabbit 'C' Compiler and can program these devices themselves. For those that cannot, a full kit of 'C' compiler, Core Module, Prototyping Board, Plugpack can be purchased for $299/349 depending on the model.

Deliverables

1.   Prototype PCB design
2.   Schematic
3.   Working CODE
4.   User Manual
5.   Construction Manual

Resources Required

At this stage the required resources are unknown. We would anticipate that there be 1-2 versions of the prototype PCB constructed before the product is released. Thanks to the nature of this product it is not anticipated that there would be any advantage in going for a formal BETA release of the product once the board is designed and working.

Options for Sale

A number of options exist for the eventual release of this kit. They include
.   Parts and PCB only, without CPU Core
.   Full KIT

Darryl Smith, VK2TDS   POBox 169 Ingleburn NSW 2565 Australia
Mobile Number 0412 929 634 [+61 4 12 929 634 International]
Darryl@radio-active.net.au | www.radio-active.net.au

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---

440. [aprssig] Re: Baycom Hardware Alternatives

From: Hamish Moffatt <hamish@cloud.net.au>
Date: Sun, 22 Dec 2002 23:02:26 +1100
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-112051-2002.12.22-06.48.10--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

On Sat, Dec 07, 2002 at 11:47:06AM -0600, Adi Linden wrote:
> > >> I am looking at building Baycom type modems to use on a Linux

> > >> computer. I find the modem chips difficult to get. Has anyone any
> > >> suggestions for alternate hardware?
> >
> > A $10 soundcard.
>
> I plan on running 3 TNC's on the same computer. Soundcard is out in this
> arrangement. The whole things needs to run with an open squelch, too.
>
> My idea is to have a single site that uses the MIC-E idea on an IRLP
> node/repeater, digipeater on the APRS frequency, internet gating and APRS
> sat gating. This will require at least 3 TNC's and the MIC-E TNC will have
> to provide reliable DCD with an open squelch and voice on the same freq.

I'm a bit behind on this list so excuse the late reply.

The Linux soundmodem driver is happy with open squelch. I think it
should be possible to get three sound cards working, if you can
physically fit them into the slots in the machine.

Hamish
--
Hamish Moffatt VK3SB <hamish@debian.org> <hamish@cloud.net.au>

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---

441. [aprssig] Re: aprsd215b9 with ax.25 support?

From: Hamish Moffatt <hamish@cloud.net.au>
Date: Mon, 23 Dec 2002 00:12:02 +1100
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-112052-2002.12.22-07.57.38--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

On Thu, Dec 19, 2002 at 07:22:04PM +0100, Wolf Hoeller wrote:
> Hi All!
>
> Have a look at www.db0lj.de !
> Hans-Juergen did a good work to implement the ax25-socket into
> aprsd.

The db0lj site has a good collection of aprsd variants. Unfortunately
this work has not been merged into the 2.2.x versions on Sourceforge.

The AX.25 code in 2.15.b9 is the VK3SB sockets code. Hans has merged it
into 2.15 which I did not do; I am working on 2.2.x instead.

Hamish
--
Hamish Moffatt VK3SB <hamish@debian.org> <hamish@cloud.net.au>

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---

442. [aprssig] USB and RS-232 GPS's on Ebay

From: Robert W Burton <kd4ydc@juno.com>
Date: Sun, 22 Dec 2002 08:46:31 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-112055-2002.12.22-08.35.33--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

I have seen alot of discussion on the use of USB ports in ham
radio....this link is to the RS-232 GPS but they do have one for a USB
port. I wonder if this would work with APRS.
http://cgi.ebay.com/ws/eBayISAPI.dll?ViewItem&item=1945627330
73,
Robert

____
Sign Up for Juno Platinum Internet Access Today
Only $9.95 per month!
Visit www.juno.com

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---

443. [aprssig] Re: Direct TV DSL SK

From: Steve Dimse <k4hg@tapr.org>
Date: Sun, 22 Dec 2002 08:54:13 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: TAPR APRS Special Interest Group <aprssig@lists.tapr.org>
Message-ID: <LYR842-112056-2002.12.22-08.39.57--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

```
On 12/21/02 at 4:00 PM wb8nut@arrl.net (J.Duffy Beischel) sent:

>FeaturePrice (www.featureprice.com) is very reasonable shared hosting.
>Fixed IP address and unlimited traffic.  Very reasonable monthly fee.
>
The price is surprisingly low...in fact low enough that I have to question how
real the offer is. These are shared servers...you are on the same computer with
other users. They  list their servers as 800 MHz/512 MB, with 150 GB RAID
disks...the size of the disks indicates they put a lot of users on a single
server.

findU is presently the only application on a dual 1.26 GHz machine with dual 36
GB SCSI drives and 2 GB of RAM. Sometimes for 5-10 seconds at a time all the
resources of both processors are consumed, and much of the time the I/O of the
disks is limiting the response.

Placing findU, even as the only application on one of these servers, would be
very slow, if indeed it was useable at all. In a shared environment, I'm certain
it would not be useable. And I'd bet that when these guys find out what findU
consumes, they are not going to buy a mega-machine and devote it to findU at
$21.95/month!

Dig into the conditions, and you see they "throttle" individual users, at rates
similar to other plans. They say their http service is maxed at 17 MB/hr, or 15
GB/month, however that is not guaranteed, you can only use the bandwidth that
"does not interfere with other users on your machine". So, the more users they
put on a server, the less you can do, and even if you end up with a throttle of
1k/hour, they have met the terms of the user agreement. Always read the small
print!

Typical colocation (your server at their data center) rates run $50-$200/month,
for bandwidth limits of 20-50 GB/month. This would be the commercial option I
would need.

Fortunately the APRS community has come through with a much better deal, free
co-location without limits in a real data center fed by OC-12's. I had almost a
dozen offers, just took the best one, but I very much appreciate them all.

Steve K4HG

---
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```

---

444. [aprssig] APRS on 2.4 GHz...

From: Bob Bruninga <bruninga@usna.edu>
Date: Sun, 22 Dec 2002 10:18:21 -0500 (EST)
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-112058-2002.12.22-10.04.06--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

```
Saw this on the AMRAD reflector about mobile APRS operations using 802.11

---------- Forwarded message ----------
Date: Sat, 21 Dec 2002 16:56:36 -0500
From: Maitland Bottoms <aa4hs@amrad.org>

Point-to-point ad-hoc wireless networking. To and from the larger
hamfests [Dayton?]

1) Get hams to carpool to hamfests. environmentally sound, traffic
   congestion reducing, and lets someone other than the driver handle
   the radios, laptops, and antennas.

2) coordinate via standard 2m or 440 MHz NBFM radios, so that the
   vehicles in which two or more groups of hams are travelling in can
   be brought in closer proximity.
```

3) establish 802.11 links between vehicles. Exchange e-QSLs, try
   full-duplex audio and video communications.

Something to do on the way to and from Dayton this year.

Things to talk about before then: protocols for pre-arranged ad-hoc
network settings, protocols for e-QSL exchange.

As much fun as war-driving is, it would be really neat if a technique
caught on where, when two war-driving platforms get near each other,
they can exchange their found access point logs.

-Maitland
____
Tacos mailing list
Tacos@amrad.org
http://www.amrad.org/mailman/listinfo/tacos

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Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

445. [aprssig] Re: aprsd215b9 with ax.25 support?

From: Adi Linden <adil@adis.on.ca>
Date: Sun, 22 Dec 2002 09:22:16 -0600 (CST)
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: TAPR APRS Special Interest Group <aprssig@lists.tapr.org>
Message-ID: <LYR842-112059-2002.12.22-10.08.27--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

> > Have a look at www.db0lj.de !
> > Hans-Juergen did a good work to implement the ax25-socket into
> > aprsd.
>
> The db0lj site has a good collection of aprsd variants. Unfortunately
> this work has not been merged into the 2.2.x versions on Sourceforge.

I found the db0lj patch for aprsd215b9 but haven't tried it yet.

> The AX.25 code in 2.15.b9 is the VK3SB sockets code. Hans has merged it
> into 2.15 which I did not do; I am working on 2.2.x instead.

Where is there a 2.2.x version of aprsd? I heard of it but I can't find
it. On http://sourceforge.net/projects/aprsd/ all I see is aprds-2.1.4.

So what's the scoop with these 2 different versions? aprsd215b9 is
maintained by wa4dsy. Who's looking after the 2.2.x variety?

Thanks,
Adi
va3adi

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446. [aprssig] Re: Baycom Hardware Alternatives

From: Adi Linden <adil@adis.on.ca>
Date: Sun, 22 Dec 2002 09:24:54 -0600 (CST)
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: TAPR APRS Special Interest Group <aprssig@lists.tapr.org>
Message-ID: <LYR842-112060-2002.12.22-10.10.59--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

> > My idea is to have a single site that uses the MIC-E idea on an IRLP
> > node/repeater, digipeater on the APRS frequency, internet gating and APRS
> > sat gating. This will require at least 3 TNC's and the MIC-E TNC will have
> > to provide reliable DCD with an open squelch and voice on the same freq.
>
> I'm a bit behind on this list so excuse the late reply.
>
> The Linux soundmodem driver is happy with open squelch. I think it
> should be possible to get three sound cards working, if you can
> physically fit them into the slots in the machine.

I will need hardware DCD from the TNC. I don't think I can do that using a
soundcard modem. Since I started asking these questions, the ethernet TNC
idea has come up. I think that an ethernet TNC would be an ideal solution
to connect multiple TNC's to a single computer.

Adi
va3adi

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Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

447. [aprssig] Re: Ethernet vs. USB

From: Wolf Hoeller <wolf.hoeller@gmx.net>
Date: Sun, 22 Dec 2002 16:14:37 +0100
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-112061-2002.12.22-10.15.53--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Hi All!

I will point you to http://www.bcl.de to have a look on this
little fine chip. It acts as an embedded webserver and I plan to
play with it and combine it with my TM-D700 .....
What a idea: running JAVAprs direct on a TM-D700 serving the
connected clients .....

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73 de Wolf, oe7ftj
ax25-mail: oe7ftj@oe7xlr.#oe7.aut.eu
email: oe7ftj(at)gmx.at
Have a look where I am: http://map.findu.com/oe7ftj-*

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Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

448. [aprssig] Ethernet TNC

From: "Andrew Rich" <andrew.rich@bigpond.com>
Date: Mon, 23 Dec 2002 01:44:53 +1000
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-112062-2002.12.22-10.30.56--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

I work for a large telco.

We handle 60 ++ phone modems.

I have seen this done in two ways:-

1. Software DSP Modems on demand.
2. Hardware modems and RS232 to Ethernet conversion (Dedicated x86 Box)

Most everthing I see these days is going IP. I couldn't really understand why TNC
manufacturers wouldn't just leap frog USB and go LAN. Spose you need hubs then hey.
I have an old RS232 spooler here collecting dust.
I spose what we want at hams is addressable black boxes that do a task.
Ethernet being a suitable choice as it is expandable.
I think the great thing about the idea is that you could share the TNC with lotsa apps.
I now there have been cases where I was nutting out serial sharing, when ether would be SO much easier.

Cheers Andrew VK4TEC

http://www.tech-software.net/

-----Original Message-----
From: bounce-aprssig-30130@lists.tapr.org
[mailto:bounce-aprssig-30130@lists.tapr.org]On Behalf Of Wolf Hoeller
Sent: Monday, 23 December 2002 01:15
To: TAPR APRS Special Interest Group
Subject: [aprssig] Re: Ethernet vs. USB

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73 de Wolf, oe7ftj
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email: oe7ftj(at)gmx.at
Have a look where I am: http://map.findu.com/oe7ftj-*

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449. [aprssig] RE: Ethernet TNC

From: "Andrew Rich" <andrew.rich@bigpond.com>
Date: Mon, 23 Dec 2002 01:51:25 +1000
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-112063-2002.12.22-10.37.17--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Another thing we use at work is a DigiPort.

16 RS232 ports, TCP/IP out .....configurable via port 16 rs232

Andrew

-----Original Message-----
From: bounce-aprssig-30130@lists.tapr.org
[mailto:bounce-aprssig-30130@lists.tapr.org]On Behalf Of Andrew Rich
Sent: Monday, 23 December 2002 01:45
To: TAPR APRS Special Interest Group
Subject: [aprssig] Ethernet TNC

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450. [aprssig] RE: Ethernet TNC

From: "Andrew Rich" <andrew.rich@bigpond.com>
Date: Mon, 23 Dec 2002 01:54:39 +1000
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-112064-2002.12.22-10.40.27--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Has anyone looked at black box ? they do tons of this stuff ...

rs232 to ether serial port concentrator

-----Original Message-----
From: bounce-aprssig-30130@lists.tapr.org
[mailto:bounce-aprssig-30130@lists.tapr.org]On Behalf Of Andrew Rich
Sent: Monday, 23 December 2002 01:45
To: TAPR APRS Special Interest Group
Subject: [aprssig] Ethernet TNC

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http://www.tech-software.net/

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[mailto:bounce-aprssig-30130@lists.tapr.org]On Behalf Of Wolf Hoeller
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451. [aprssig] RE: Ethernet TNC

From: "Andrew Rich" <andrew.rich@bigpond.com>
Date: Mon, 23 Dec 2002 02:03:26 +1000
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-112066-2002.12.22-10.49.16--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Single rs232 to ether

http://www.dgii.com/products/device%20servers/digioneSp.jsp

-----Original Message-----
From: bounce-aprssig-30130@lists.tapr.org
[mailto:bounce-aprssig-30130@lists.tapr.org]On Behalf Of Andrew Rich
Sent: Monday, 23 December 2002 01:55
To: TAPR APRS Special Interest Group
Subject: [aprssig] RE: Ethernet TNC

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rs232 to ether serial port concentrator

-----Original Message-----
From: bounce-aprssig-30130@lists.tapr.org
[mailto:bounce-aprssig-30130@lists.tapr.org]On Behalf Of Andrew Rich
Sent: Monday, 23 December 2002 01:45
To: TAPR APRS Special Interest Group
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Cheers Andrew VK4TEC

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Sent: Monday, 23 December 2002 01:15
To: TAPR APRS Special Interest Group
Subject: [aprssig] Re: Ethernet vs. USB

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452. [aprssig] RE: Ethernet TNC

From: "Andrew Rich" <andrew.rich@bigpond.com>
Date: Mon, 23 Dec 2002 02:07:50 +1000
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-112067-2002.12.22-10.53.44--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Multi Port RS232 to ether

http://www.dgii.com/products/terminal%20servers/portServerTS.jsp

-----Original Message-----
From: Andrew Rich [mailto:andrew.rich@bigpond.com]
Sent: Monday, 23 December 2002 02:03
To: Andrew Rich; TAPR APRS Special Interest Group

Subject: RE: [aprssig] RE: Ethernet TNC

Single rs232 to ether

http://www.dgii.com/products/device%20servers/digioneSp.jsp

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From: bounce-aprssig-30130@lists.tapr.org
[mailto:bounce-aprssig-30130@lists.tapr.org]On Behalf Of Andrew Rich
Sent: Monday, 23 December 2002 01:55
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Sent: Monday, 23 December 2002 01:45
To: TAPR APRS Special Interest Group
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Sent: Monday, 23 December 2002 01:15
To: TAPR APRS Special Interest Group
Subject: [aprssig] Re: Ethernet vs. USB

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453. [aprssig] RE: Ethernet TNC

From: Adi Linden <adil@adis.on.ca>
Date: Sun, 22 Dec 2002 11:06:53 -0600 (CST)
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: TAPR APRS Special Interest Group <aprssig@lists.tapr.org>
Message-ID: <LYR842-112070-2002.12.22-11.31.33--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

> Single rs232 to ether
>
> http://www.dgii.com/products/device%20servers/digioneSp.jsp

So how do you use these serial ports in linux? Is there same mechanism
that allows that serial port over ethernet to look like a tty or pseudo
tty?

Adi
va3adi

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Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

---

454. [aprssig] APRS for the CE Handheld

From: "john van sandt" <n9yrx@hotmail.com>
Date: Sun, 22 Dec 2002 17:35:06 +0000
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-112075-2002.12.22-12.20.46--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

I just installed the CE version for APRS. It works great and has a lot a
lot of features not found on the Palm versions. You can see weather data,
send messages from a real keyboard (although small on a Jornada 690), and
see ALL messages. Its perfect instead of a full size laptop and a better
viewed screen than a Palm for mobile use. Rob has done a fanstastic job of
making the program run smooth on the pre and post-palm size CE machines.
One of the features I like is being able to click on the screen map and pull
up station info. with out searching a list of call signs to find what I
need. This software when hitched to a handheld like the Jornada 690 is a
perfect marriage. I don't think the 690 is out of production but can be
found in a lot places.
BTW I have no compensation for this "Ad", just thought I would share a
little know piece of software that works great and offers utilization ease
for mobile use.

Here is the link to it.
http://www.tapr.org/~aprsce/

N9YRX
For last known APRS location click here:
http://www.findu.com/cgi-bin/find.cgi?n9yrx
John Van Sandt
1302 Beech St.
Marshall, ILL 62441
Ph 217-826-8821

```
_________________________________________________________________
MSN 8 limited-time offer: Join now and get 3 months FREE*.
http://join.msn.com/?page=dept/dialup&xAPID=42&PS=47575&PI=7324&DI=7474&SU=
http://www.hotmail.msn.com/cgi-bin/getmsg&HL=1216hotmailtaglines_newmsn8ishere_3mf


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```

455. [aprssig] RE: Ethernet TNC

```
From: Steve Slay <snslay@swbell.net>
Date: Sun, 22 Dec 2002 11:48:12 -0600
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: TAPR APRS Special Interest Group <aprssig@lists.tapr.org>
Message-ID: <LYR842-112079-2002.12.22-12.33.52--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain
```

```
I have had excellent results with Lantronix products over the years.
They seem to be a bit less expensive than the Digi products.

http://www.lantronix.com/products/index.html

I have recently been installing the UDS-10 for single port use.


Steve Slay
KC5MVY
Where am I now?  http://www.findu.com/cgi-bin/find.cgi?call=KC5MVY
Where have I been lately?
http://www.findu.com/cgi-bin/track.cgi?call=KC5MVY
With weather RADAR
http://www.findu.com/cgi-bin/find.cgi?call=KC5MVY&radar=LBB

"Only two things are infinite, the universe and human stupidity, and I'm not
sure about the former."    Albert Einstein

----- Original Message -----
From: "Adi Linden" <adil@adis.on.ca>
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Sent: Sunday, December 22, 2002 11:06 AM
Subject: [aprssig] RE: Ethernet TNC


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>
> ---
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>


---
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```

456. [aprssig] Re: USB and RS-232 GPS's on Ebay

```
From: KC7ZRU - Tate <kc7zru@arrl.net>
Date: Sun, 22 Dec 2002 12:19:44 -0700
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-112084-2002.12.22-14.05.22--lyris.aprssig#tapr.org@lists.tapr.org>
```

Rendered body type: text/plain

```
I sure hope so (looks like it would no prob). A friend of mine here in
Casper, newer to APRS, just ordered up a serial version (from a
different retailer) to use with his Palm IIIc.

I'll know more after he gets it up and running.

73

Robert W Burton wrote:
>
> I have seen alot of discussion on the use of USB ports in ham
> radio....this link is to the RS-232 GPS but they do have one for a USB
> port.  I wonder if this would work with APRS.
> http://cgi.ebay.com/ws/eBayISAPI.dll?ViewItem&item=1945627330
> 73,
> Robert
>

--
        "The Dungeon" online at http://go.to/kc7zru
              Casper, WY    |    CARC Repeater
                DN62tt      |      146.940-
                 http://www.trib.com/~carc

---
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```

457. [aprssig] Re: aprsd215b9 with ax.25 support?

From: KC7ZRU - Tate <kc7zru@arrl.net>
Date: Sun, 22 Dec 2002 12:33:12 -0700
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: TAPR APRS Special Interest Group <aprssig@lists.tapr.org>
Message-ID: <LYR842-112085-2002.12.22-14.18.56--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

```
Adi, take a look at the CVS on the sourceforge site. That's where I've
been getting 2.2.3 - though, I've no idea where to find the 2.2.5 I've
seen pop up here and there.

http://sourceforge.net/cvs/?group_id=23339  <-- 2.2.3 CVS 'info' site

Looks like most recent check-ins for 2.2.3 were made by Hamish some 5
months ago.

And yea - though I've asked the same question about the two versions
here a couple of times, and even received some decent replies - I'm
still a 'bit in the dark'. But then there're those that say that's just
a normal state of affairs here.

As to who's 'looking after 2.2.x' - you'll see that info on the 'home
page' for aprsd on the sourceforge site.
http://sourceforge.net/projects/aprsd/

click on the 'View Members' link under "Developer Info" and you'll see
(edited):

Chuck Byam         Project Manager
Brian D Heaton     Developer
Gerald J. Stueve   Developer
Hamish Moffatt     Developer
Dale Heatherington Developer

73

Adi Linden wrote:
>
>
> Where is there a 2.2.x version of aprsd? I heard of it but I can't find
> it. On http://sourceforge.net/projects/aprsd/ all I see is aprds-2.1.4.
>
> So what's the scoop with these 2 different versions? aprsd215b9 is
> maintained by wa4dsy. Who's looking after the 2.2.x variety?
>
> Thanks,
> Adi
> va3adi
```

```
>

--
        "The Dungeon" online at http://go.to/kc7zru
              Casper, WY    |    CARC Repeater
                DN62tt      |      146.940-
                 http://www.trib.com/~carc

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```

458. [aprssig] SAFIR sat

From: "Bud Talbot" <kb9wvg@arrl.net>
Date: Sun, 22 Dec 2002 13:59:55
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-112086-2002.12.22-14.45.31--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

```
Has anybody heard the new SAFIR sat digi yet? I plan to listen tonight.
There is a pass around 01:15 UTC here in the Houston area.

73
Bud
KB9WVG

---
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Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org
```

459. [aprssig] Re: PCsat Special TEST (fwd)

From: Bob Bruninga <bruninga@usna.edu>
Date: Sun, 22 Dec 2002 15:31:21 -0500 (EST)
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-112090-2002.12.22-15.17.06--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

```
Everyone with a good short coax run, look to see if they heard ZR1CBC.
He is a South African Station which should be reported via the PCsat
store-and-forward on the 144.39 downlink.  It wont show on FINDU, because
it is in 3rd party format.

But anyone int he USA should capture it direct if they normally hear
PCsat-11.

---------- Forwarded message ----------
Date: Sun, 22 Dec 2002 21:56:52 +0200
From: Johann Lochner (ZR1CBC)
Subject: Re: PCsat Special TEST

Hi Bob,

Three SPECIAL packets were digipeated via PCSAT-11 during the 18:35
UTC pass over South Africa.  See <http://pcsat.findu.com>.  Did not
decode any 3rd party traffic on the downlink.

73 de ZR1CBC, Johann.


---
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```

460. [aprssig] RE: Ethernet TNC

From: "Andrew Rich" <andrew.rich@bigpond.com>
Date: Mon, 23 Dec 2002 07:43:05 +1000
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-112098-2002.12.22-16.28.46--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

```
ok you need to pipe the data on an interface and a port to a serial port, fooling the program
into thinking that the data is coming from the serial port

use netcat and divert the data towards /dev/ttySxx
```

```
nc 172.93.1.100 3000 > /dev/ttyS0
```

I will have to check the syntax of netcat, been a while but I had it working.

or you can do this in PERL.

telnet using a socket to host box, if activity, send to comm port.

I have had serial from a TNC to ether to serial working linux to linux no probs.

Andrew

-----Original Message-----
From: bounce-aprssig-30130@lists.tapr.org
[mailto:bounce-aprssig-30130@lists.tapr.org]On Behalf Of Adi Linden
Sent: Monday, 23 December 2002 03:07
To: TAPR APRS Special Interest Group
Cc: TAPR APRS Special Interest Group
Subject: [aprssig] RE: Ethernet TNC

> Single rs232 to ether
>
> http://www.dgii.com/products/device%20servers/digioneSp.jsp

So how do you use these serial ports in linux? Is there same mechanism that allows that serial port over ethernet to look like a tty or pseudo tty?

Adi
va3adi

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---

461. [aprssig] APRS on 2.4 GHz??? groan..

From: blitz <blitz@macronet.net>
Date: Sun, 22 Dec 2002 18:16:47 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: aprssig@lists.tapr.org
Message-ID: <LYR842-112104-2002.12.22-18.04.41--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

(Commercial hard-hat on)
Spoken as an installer of 802.11 equipment, and NOT as a ham:

Consider this: Every cordless phone, leaky microwave oven and 802.11 lan in your path is going to cause reciprocal interference. Add to that the plethora of bluetooth micro-power devices you'll soon find attached to everything from cordless handsets to refrigerators, and you have to ask WHY BOTHER? DO you REALLY want to enter one of the most interference prone pieces of spectrum, with a noise floor rising daily?

Those of us who put this stuff up for wireless computer connectivity are running out of spectrum, and as much as I hate to mention this to hams, the FCC is more than willing to give us some of YOUR spectrum most any time we petition for it. So wave farewell at 1.2 ghz, 2.4, 3.3, 5.6 10 and possibly higher freqs real soon.That 24 ghz band is making some commercial entities drool right now..
You make minimal use of most of them, consumer usage takes priority, so get used to it. Intel and microsoft are presently making plans to ask for more spectrum, and as you know, its use it or loose it.

Yes, I realize its a gun-smoke shoot 'em up at 2.4 and increasingly at 5 ghz for connectivity, but why do you insist in bringing your hobby stuff to a band that's already overcrowded, where we are trying to get high speed Internet to people just like YOU who crave that bandwidth. It seems if there was a ham market for this stuff, it would be only a simple matter to get similar connectivity in the bands you occupy near our band edges. Oh I forgot, if you cant buy it at a hamfest for $99. you don't open the case

anymore. Experimentation is a dead art for most hams. Maybe you better talk to the manufacturers of those $3000 HF radios about providing some high speed interconnects at microwave for reasonable prices. Play in your bands, but if you insist on using the few ones that are used for wireless interconnect, don't be at all surprised when someone get paid off at the FCC to come after one of your cherished allotments. You remember the UPS fiasco that cost you a chunk of 220? and now sits mostly idle... the incursions into 440?
Get used to it, its only going to get worse.

(Ok, Ham hat on)
Now before a flame fest breaks out, I'd love to see a modular approach, software driven radios that you can plug in the RF module of your choice, and the IF module of the given band to enable high speed connectivity. This would get you past the FCC regs as far as type acceptance, and allow OFDM or other advanced techniques to be constructed in a block manner. Of course, if it were easier and cheaper, more would be doing it. The bandwidth is out there, hams have a lot of it, it's increasingly incumbent to utilize it or loose it. Any manufacturers listening to this?

At 10:18 12/22/02 -0500, you wrote:

>Saw this on the AMRAD reflector about mobile APRS operations using 802.11
>
>---------- Forwarded message ----------
>Date: Sat, 21 Dec 2002 16:56:36 -0500
>From: Maitland Bottoms <aa4hs@amrad.org>
>
>Point-to-point ad-hoc wireless networking. To and from the larger
>hamfests [Dayton?]
>
>1) Get hams to carpool to hamfests. environmentally sound, traffic
>   congestion reducing, and lets someone other than the driver handle
>   the radios, laptops, and antennas.
>
>2) coordinate via standard 2m or 440 MHz NBFM radios, so that the
>   vehicles in which two or more groups of hams are travelling in can
>   be brought in closer proximity.
>
>3) establish 802.11 links between vehicles. Exchange e-QSLs, try
>   full-duplex audio and video communications.
>
>Something to do on the way to and from Dayton this year.
>
>Things to talk about before then: protocols for pre-arranged ad-hoc
>network settings, protocols for e-QSL exchange.
>
>As much fun as war-driving is, it would be really neat if a technique
>caught on where, when two war-driving platforms get near each other,
>they can exchange their found access point logs.
>
>-Maitland
>____
>Tacos mailing list
>Tacos@amrad.org
>http://www.amrad.org/mailman/listinfo/tacos
>
>
>---
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462. [aprssig] Re: aprsd215b9 with ax.25 support?

From: Hamish Moffatt <hamish@cloud.net.au>
Date: Mon, 23 Dec 2002 10:39:04 +1100
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: TAPR APRS Special Interest Group <aprssig@lists.tapr.org>

Message-ID: <LYR842-112105-2002.12.22-18.24.56--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

On Sun, Dec 22, 2002 at 09:22:16AM -0600, Adi Linden wrote:
> Where is there a 2.2.x version of aprsd? I heard of it but I can't find
> it. On http://sourceforge.net/projects/aprsd/ all I see is aprds-2.1.4.

You have to get 2.2.x from CVS directly, as there have not been any
releases.

> So what's the scoop with these 2 different versions? aprsd215b9 is
> maintained by wa4dsy. Who's looking after the 2.2.x variety?

Chuck Byam is doing most of the work. Dale has also been involved.

Hamish
--
Hamish Moffatt VK3SB <hamish@debian.org> <hamish@cloud.net.au>

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463. [aprssig] Re: Baycom Hardware Alternatives

From: Hamish Moffatt <hamish@cloud.net.au>
Date: Mon, 23 Dec 2002 10:39:46 +1100
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: TAPR APRS Special Interest Group <aprssig@lists.tapr.org>
Message-ID: <LYR842-112107-2002.12.22-18.35.58--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

On Sun, Dec 22, 2002 at 09:24:54AM -0600, Adi Linden wrote:
> I will need hardware DCD from the TNC. I don't think I can do that using a
> soundcard modem. Since I started asking these questions, the ethernet TNC
> idea has come up. I think that an ethernet TNC would be an ideal solution
> to connect multiple TNC's to a single computer.

Why do you need hardware DCD? The soundmodem will run with the squelch
always open on the radio - what do you need beyond that?

Hamish
--
Hamish Moffatt VK3SB <hamish@debian.org> <hamish@cloud.net.au>

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Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

464. [aprssig] Re: Baycom Hardware Alternatives

From: Adi Linden <adil@adis.on.ca>
Date: Sun, 22 Dec 2002 17:55:00 -0600 (CST)
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: TAPR APRS Special Interest Group <aprssig@lists.tapr.org>
Message-ID: <LYR842-112118-2002.12.22-18.40.41--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

> Why do you need hardware DCD? The soundmodem will run with the squelch
> always open on the radio - what do you need beyond that?

I am trying to do the MIC-E thing on a voice repeater. This will require
DCD available for the repeater controller so the data bursts received
aren't transmitted by the repeater.

Here are a couple of links about the concept:
  http://wes.johnston.net/aprs/aprs5.htm
  http://web.usna.navy.mil/~bruninga/APRS-docs/MIC-E.TXT

Adi

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465. [aprssig] Re: Direct TV DSL SK

From: John Arthur Kane <jkane@pobox.com>
Date: Sun, 22 Dec 2002 17:39:07 -0700
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: TAPR APRS Special Interest Group <aprssig@lists.tapr.org>
Message-ID: <LYR842-112121-2002.12.22-19.24.39--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

and non-existant tech support. and an unreasonable "guarantee". I am in
the process of trying to get an account set up, and it looks real bad
for now.

On Sat, Dec 21, 2002 at 04:00:31PM +0000, J.Duffy Beischel wrote:
> FeaturePrice (www.featureprice.com) is very reasonable shared hosting.
> Fixed IP address and unlimited traffic. Very reasonable monthly fee.

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---

466. [aprssig] Garmin 30 gps

From: "Michael Nettles KB5WBH" <kb5wbh@arrl.net>
Date: Sun, 22 Dec 2002 18:59:10 -0600
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: <ui-view@yahoogroups.com>
Message-ID: <LYR842-112126-2002.12.22-19.40.55--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

I need to find out if this gps does work. I have VisualGPS to test with but
can't get anything out of it.
Its a mag mount type with a rs-232 and cig lighter connector only. Looks
like a PC mouse.
Anyone here know or use this type of gps before?
Thanks
Mike kb5wbh

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---

467. [aprssig] Re: [blitz] APRS on 2.4 GHz??? groan..

From: "Gregg G. Wonderly" <gregg@skymaster.cytetech.com>
Date: Sun, 22 Dec 2002 19:36:23 -0600
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: TAPR APRS Special Interest Group <aprssig@lists.tapr.org>
Message-ID: <LYR842-112127-2002.12.22-20.22.09--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

>(Commercial hard-hat on)
>Spoken as an installer of 802.11 equipment, and NOT as a ham:
>
>Consider this: Every cordless phone, leaky microwave oven and 802.11 lan in
>your path is going to cause reciprocal interference. Add to that the
>plethora of bluetooth micro-power devices you'll soon find attached to
>everything from cordless handsets to refrigerators, and you have to ask WHY
>BOTHER? DO you REALLY want to enter one of the most interference prone
>pieces of spectrum, with a noise floor rising daily?

Ahh, but you must not be aware of the latest good use of 2.4GHz. ATV
transmitters emitting NTSC video signals will be falling out of the woodwork
as the swing to HDTV occurs. So, just get ready. 1/3 of the 802.11b spectrum
is about to disappear to amateur radio use. And, it is VSB modulation, so we
can use 100's of watts out with 1000's of watts ERP. The result will be post
disaster live television services to local EOCs, live weather spotting around
large community areas, etc.

The ride ain't over until all the wheels stop turning...

-----
gregg@cytetech.com (Cyte Technologies Inc)

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468. [aprssig] Re: APRS on 2.4 GHz??? groan..

From: psschwarz@kellnet.com
Date: Mon, 23 Dec 2002 01:49:42 GMT
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-112129-2002.12.22-20.45.56--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

```
blitz writes:

> Yes, I realize its a gun-smoke shoot 'em up at 2.4 and increasingly at 5
> ghz for connectivity, but why do you insist in bringing your hobby stuff
> to a band that's already overcrowded, where we are trying to get high
> speed Internet to people just like YOU who crave that bandwidth.

If the commercial entities are working on bringing us high speed internet
access, then why don't try lowering the prices? $45+ per month for dsl or
cablenet is simply too expensive. If it were on the order of what a regular
dial system costed then allocating some bandwidth is feasible. And as
technology progresses and the higher bands are allocated then the "lower"
bands should be abandoned and given back to hams. Is that too much to ask?

---
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469. [aprssig] Re: APRS on 2.4 GHz??? groan..

From: "Herb Gerhardt" <hgerhardt@charter.net>
Date: Sun, 22 Dec 2002 19:16:16 -0800
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: <psschwarz@kellnet.com>
Message-ID: <LYR842-112131-2002.12.22-22.01.57--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

```
I don't think $45+ per month is unreasonable when you consider the costs
involved in bringing fiber optics to my remote rural area.  I have Charter
cable internet service and love it.  Since I am a Charter cable subscriber I
save $10 a month and only pay $36/month for the full time high speed
internet service and that is cheaper than what I was paying.  My old ISP
cost me $19/month and my wife insisted on a second phone line that cost me
another $25/month, so not only am I saving money, but I get speeds that are
unbelievable.  I can download a 5 Meg file in 3 to 4 minutes!  That size of
a download used to take 20 to 30 minutes on my old ISP and I had to pray
that I did not drop off line before the download was completed!

For what I get, I think am getting a bargain but don't tell Charter, I don't
want them raising my rates.  Hi, hi....

Herb, KB7UVC
NW APRS Group, West Sound Coordinator
Our WEB Site:  www.nwaprs.org


> -----Original Message-----
>>
> If the commercial entities are working on bringing us high speed internet
> access, then why don't try lowering the prices? $45+ per month for dsl or
> cablenet is simply too expensive. If it were on the order of what
> a regular
> dial system costed then allocating some bandwidth is feasible. And as
> technology progresses and the higher bands are allocated then the "lower"
> bands should be abandoned and given back to hams. Is that too much to ask?



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470. [aprssig] RE: Laptops / APRS (fast A/D ethernet)

From: "Douglas Quagliana" <dquagliana@hotmail.com>
Date: Mon, 23 Dec 2002 03:27:53 +0000
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-112135-2002.12.22-22.13.33--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

On 12/19/02 at 1:08 PM doug@clecom.com (Doug Bade) sent:

>While I am really interested in this discussion of a tnc with
>alternate connectivity, I am trying to envision exactly how a ethernet
>(TCPIP?) based tnc would be implemented.

Along these lines, can anyone tell me if there is a simple
cheap (and fast!) A/D that I could connect to my PC to
received the digitized samples over ethernet?

The TNC (and A LOT MORE!) could be implemented on the
host PC. If we could A/D at a fast enough rate, you could
digitize several packet frequencies all at once.

Douglas KA2UPW
Looking for a really fast, cheap, A/D over ethernet...

____
The new MSN 8: smart spam protection and 3 months FREE*.
http://join.msn.com/?page=features/junkmail&xAPID=42&PS=47575&PI=7324&DI=7474&SU=
http://www.hotmail.msn.com/cgi-bin/getmsg&HL=1216hotmailtaglines_smartspamprotection_3mf

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Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

471. [aprssig] Re: [blitz] APRS on 2.4 GHz??? groan..

From: Skip Allison <skipk9sa@ameritech.net>
Date: Sun, 22 Dec 2002 23:04:09 -0600
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-112142-2002.12.22-23.57.02--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

"Gregg G. Wonderly" wrote:
>
> >(Commercial hard-hat on)
> >Spoken as an installer of 802.11 equipment, and NOT as a ham:
> >

> Ahh, but you must not be aware of the latest good use of 2.4GHz. ATV
> transmitters emitting NTSC video signals will be falling out of the woodwork
> as the swing to HDTV occurs. So, just get ready. 1/3 of the 802.11b spectrum

I must be missing something? Where are these ATV transmitters supposed
to be coming from? Will there be matching ATV receivers? What's the
connection to HDTV?

Skip
K9SA

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Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

472. [aprssig] Re: APRS for the CE Handheld

From: "Dakota Summerhawk" <WYPCGuy@hotmail.com>
Date: Sun, 22 Dec 2002 22:44:33 -0700
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-112149-2002.12.23-00.29.15--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

I for one would have to agree with you, I have been talking with Rob and he
is working on a few things for the next version. I will let him announce
them as I don't feel right doing it without his permission, bit believe me
the projects in the works will be well worth it. I run APRS CE on a Jornada
on a 680 and have it mounted on a RAM suction mount/ plate to the
windshield to the car for easy viewing of stations and messages. Makes a
nice setup for portable use with either the Pico Packet or the D7. I run a
Garmin GPS 12 for data and either the D7 or the Pico with a VX-150 for the
station depending on the situation. I am hoping to see the a CE version that
will support a weather station wired into the unit for fireground command
post data in the near future.
Thanks again Rob!
Peter- N0WRE
> I just installed the CE version for APRS. It works great and has a lot a

> lot of features not found on the Palm versions. You can see weather data,

---
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Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

473. [aprssig] Re: APRS on 2.4 GHz??? groan..

From: "Dakota Summerhawk" <WYPCGuy@hotmail.com>
Date: Sun, 22 Dec 2002 22:54:44 -0700
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-112151-2002.12.23-00.39.45--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

I would have to agree with them. I live in Cheyenne and DSL is the best thing for me and the ability to have instant access to the local gate for traffic that would take forever on a dial-up would be mind numbing. Pages that have a lot of data such as NWS radar images take a LONG time to download on dial up, when some ISP's get the ball rolling and get above 33.6 connect speeds for the average user then we might accomplish something. I for one like the speed and the price I would pay for the access.
Peter- N0WRE
----- Original Message -----
From: "Herb Gerhardt" <hgerhardt@charter.net>
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: <psschwarz@kellnet.com>
Sent: Sunday, December 22, 2002 8:16 PM
Subject: [aprssig] Re: APRS on 2.4 GHz??? groan..

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474. [aprssig] Re: [blitz] APRS on 2.4 GHz??? groan..

From: "Gregg G. Wonderly" <gregg@skymaster.cytetech.com>
Date: Mon, 23 Dec 2002 10:07:40 -0600
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: TAPR APRS Special Interest Group <aprssig@lists.tapr.org>
Message-ID: <LYR842-112195-2002.12.23-10.53.36--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

>I must be missing something? Where are these ATV transmitters supposed
>to be coming from? Will there be matching ATV receivers? What's the
>connection to HDTV?

The switch to digital format will be causing many NTSC transmitters to be decommissioned. In our neck of the woods, we have a cable TV over RF provider which uses RF at 2.4GHz to deliver 'Cable' TV services. They have downconverters that you put up above your house, that downconvert their range of channels to a range of true cable TV freqs. What ends up being true is that our clubs 2.4GHz ATV freq corresponds to Cable channel 14 when using this device. Their channels start a little higher to get past local TV services, so there is a hole there that will allow several channels in the Amateur range to be downconverted.

They have, off and on, had equipment being decommisioned, just in regular use. We have been given advanced notice of some of their dumpster fillings. There will continue to be more opportunities...

-----
gregg@cytetech.com (Cyte Technologies Inc)

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Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

475. [aprssig] ROAD TRIP!?

From: "Matthew Stennett" <wa4tkg@iwon.com>
Date: Mon, 23 Dec 2002 12:21:52 -0500 (EST)
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-112200-2002.12.23-12.07.44--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

I am beginning research for a
ROAD TRIP!

Would like to visit the area of
Mt Rushmore in the Spring.

MAIN point of interest, is visiting
HOT SPRING MINERAL BATH resorts
in the North West..I have NO information
regarding this but have particular interest.
Anyone with this sort of info kindly reply.
(web pages would be great)

____
Can a Web portal forever change your life?
Win up to $25 Million on iWon - click here!

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---

476. [aprssig] Re: [blitz] APRS on 2.4 GHz??? groan..

From: <BobDonnell@arkalmus.com>
Date: Mon, 23 Dec 2002 10:12:40 -0800
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-112201-2002.12.23-12.58.30--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

The connection to HDTV is that the digital transmission mode used won't be compatible with the Video Rabbit and BSR X-10 low power 2.4 GHz video linking hardware. I'm not sure just how valid this is, or how soon it'll really happen, because it'll be a while before TV's without analog reception capability will exist, especially with the relatively slow uptake on HDTV currently. And a lot of the applications of these cheap wireless links won't go away, because the picture available from the TV that's being used will continue to work just fine for the job at hand, until the camera, link, or TV die. Links like remote video surveillance cameras.

Humorously, a friend brought one of these to the Seaside, OR hamfest, and we discovered that when he flipped through the channels, there was a camera and transmitter that (probably) the police use to keep an eye on the street out to the traffic loop on the promenade. This is a popular hangout area for kids from NW Oregon on the weekends, and I assume the PD uses this to help decide when increased patrol coverage might be desirable.

This basic hardware could be used by hams now to drive power amplifiers for ATV applications. It's not currently simple or cheap to achieve extremely linear amplification in this frequency range, and it's necessary for AM video to be amplified with good linearity or spectral regrowth and poor video fidelity will be the result. Also, it's a fair possibility that these cheap systems are direct AM, not VSB - after all, it's not particularly important to the manufacturers that the transmitters be narrowband - and it's a lot more difficult and expensive to make a VSB transmitter than an AM transmitter. And if what's used for receiving is a converter, the receiving TV set also doesn't really care whether there's lower-sideband information or not - it's a VSB receiver.

I'm not saying that amateurs shouldn't use this gear this way, or even use an amplifier on the transmitter - not at all. It's just not all that simple or inexpensive to get high power out with good fidelity for AM/VSB TV. If hams want to maintain good video quality, going to FM TV would make more sense, especially if you can figure out how to cleanly run a microwave oven magnetron as an FM PA! Then you will want to match it to a coaxial or waveguide feed to feed your converted C-band 10' rooftop dish...

73, and Happy Holidays

Bob, KD7NM

>-----Original Message-----
>From: bounce-aprssig-17768@lists.tapr.org
>[mailto:bounce-aprssig-17768@lists.tapr.org]On Behalf Of Skip Allison
>Sent: Sunday, December 22, 2002 9:04 PM
>To: TAPR APRS Special Interest Group
>Subject: [aprssig] Re: [blitz] APRS on 2.4 GHz??? groan..
>

>

>I must be missing something? Where are these ATV transmitters supposed
>to be coming from? Will there be matching ATV receivers? What's the
>connection to HDTV?
>
>Skip
>K9SA
>
>---
>You are currently subscribed to aprssig as: kd7nm@pugetsound.net
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>wa1lou@tapr.org
>
>

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477. [aprssig] Setting up KPC3+ Tracker

From: "Reid Crowe" <kc0idi@techie.com>
Date: Mon, 23 Dec 2002 14:57:56 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-112206-2002.12.23-14.44.56--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Please reply to kc0idi@arrl.net

I am trying to get my KPC3+ set up as a tracker. I was wanting to know what my commands should be set to. Can I get it to transmit when I am stopped or when I turn a corner? If some one could send me how they have theirs set up I would appricate it.

73 de KC0IDI

--
____
Sign-up for your own FREE Personalized E-mail at Mail.com
http://www.mail.com/?sr=signup

Meet Singles
http://corp.mail.com/lavalife

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478. [aprssig] FINDU SQL Access

From: "Peter Devanney" <pdevanney@sympatico.ca>
Date: Mon, 23 Dec 2002 15:25:15 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-112211-2002.12.23-15.15.31--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

I suspect this has been covered several times before but I seem to be having a bit of a battle with the APRSSIG Archive search engine reporting 0 results found.

I am trying to understand how I query the database directly from an SQL Query, perhaps embedeed in a VB Program. Assuming I figure out how to write the SQL queries is the access method and DB schema documented anywhere?

Thanks in advance,

Peter

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479. [aprssig] Re: Setting up KPC3+ Tracker

From: Tyler Griffiths <n7uwx@attbi.com>
Date: Mon, 23 Dec 2002 14:18:33 -0700
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: TAPR APRS Special Interest Group <aprssig@lists.tapr.org>
Message-ID: <LYR842-112217-2002.12.23-16.05.15--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Should find you answer here...
http://www.dididahdahdidit.com/
or more directly...
http://www.dididahdahdidit.com/kpctracker.php

Tyler N7UWX

Reid Crowe wrote:

> Please reply to kc0idi@arrl.net
> ------------------------
> I am trying to get my KPC3+ set up as a tracker. I was wanting to know what my commands should be set to. Can I get it to transmit when I am stopped or when I turn a corner? If some one could send me how they have theirs set up I would appricate it.
>
> 73 de KC0IDI
>
> --
> ____
> Sign-up for your own FREE Personalized E-mail at Mail.com
> http://www.mail.com/?sr=signup
>
> Meet Singles
> http://corp.mail.com/lavalife
>
> ---
> You are currently subscribed to aprssig as: n7uwx@attbi.com
> To unsubscribe send a blank email to leave-aprssig-842K@lists.tapr.org
> Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

```
--
Find out where I am...
 http://map.findu.com/n7uwx-13
+.................................................................+
| Tyler Griffiths                           Ham Radio, N7UWX        |
| http://www.n7uwx.net                          President           |
| n7uwx@attbi.com                     Bridgerland Amateur Radio club |
| (435) 750-9222   (pager)      |=|       http://www.barconline.org  |
| tyler@sficorp.com            (o o)         tyler@n7uwx.net         |
+---------------------------oOO--V--OOo-----------------------------+
```

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480. [aprssig] Re: FINDU SQL Access

From: Steve Dimse <k4hg@tapr.org>
Date: Mon, 23 Dec 2002 16:23:42 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: TAPR APRS Special Interest Group <aprssig@lists.tapr.org>
Message-ID: <LYR842-112218-2002.12.23-16.09.29--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

On 12/23/02 at 3:25 PM pdevanney@sympatico.ca (Peter Devanney) sent:

>I suspect this has been covered several times before but I seem to be having
>a bit of a battle with the APRSSIG Archive search engine reporting 0 results
>found.
>
>I am trying to understand how I query the database directly from an SQL
>Query, perhaps embedeed in a VB Program. Assuming I figure out how to write
>the SQL queries is the access method and DB schema documented anywhere?

Currently there are three hosts with open sql ports, www1, www2, and
www3.findu.com. for experimenting I prefer that people use www3 so as to avoid
the risk of bogging down the production machines.

the account is guest, there is no password, and the database name is aprs. This
account is read-only.

The tables are not documented, but sql includes commands to show the tables and column names, so you can figure it out, the names are self explanatory.

The rules are no joins, and no guarantee that this will stay open. I monitor the slow query log, and if I see some inappropriate queries then I may need to restrict the port to approved users only. It is quite possible with a single line command to essentially bring down the server.

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481. [aprssig] findU change

From: Steve Dimse <k4hg@tapr.org>
Date: Mon, 23 Dec 2002 21:27:09 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-112228-2002.12.23-21.13.00--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Having gotten no errors when I asked people to check for trouble with the new server, I have switched over findU to point at the new server. I'm watching the error log, not sure if I'll leave it or switch it back before I go to bed. Please report any problems ASAP!

Steve K4HG

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482. [aprssig] Re: [blitz] APRS on 2.4 GHz??? groan..

From: Skip Allison <skipk9sa@ameritech.net>
Date: Mon, 23 Dec 2002 23:16:32 -0600
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-112242-2002.12.24-00.09.34--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

BobDonnell@arkalmus.com wrote:

> The connection to HDTV is that the digital transmission mode used won't
> be compatible with the Video Rabbit and BSR X-10 low power 2.4 GHz video
> linking hardware. I'm not sure just how valid this is, or how soon

I'm very familiar with the Rabbits. I have 2 pair of them - the original and the synthesized. Both 900 MHz. I also picked up a 15 watt linear at Dayton that works great with them! I don't think there are many of them out there now and don't see how HDTV will affect the supply of them. There will be analog stations out there for years. I don't know anyone who plans to buy HDTV any time soon. I can't remember when the FCC cutover date is, but I'm sure it will get extended out due to the slow sales of HDTV rcvrs.

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Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

483. [aprssig] Re: ROAD TRIP!?

From: KC7ZRU - Tate <kc7zru@arrl.net>
Date: Mon, 23 Dec 2002 22:37:43 -0700
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: TAPR APRS Special Interest Group <aprssig@lists.tapr.org>
Message-ID: <LYR842-112244-2002.12.24-00.23.28--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

"Hot Mineral Spas" in the "North West", why, you must mean Thermopolis Wyoming!

http://www.thermopolis.com/pools.html

Plus, with the recent addition of KD7AGA-5 on Copper Mountain, there's good ARPS coverage in Thermopolis too.

Enjoy

73

```
Matthew Stennett wrote:
>
> I am beginning research for a
> ROAD TRIP!
>
> Would like to visit the area of
> Mt Rushmore in the Spring.
>
> MAIN point of interest, is visiting
> HOT SPRING MINERAL BATH resorts
> in the North West..I have NO information
> regarding this but have particular interest.
> Anyone with this sort of info kindly reply.
> (web pages would be great)
>


--
        "The Dungeon" online at http://go.to/kc7zru
              Casper, WY    |    CARC Repeater
                DN62tt      |      146.940-
                 http://www.trib.com/~carc

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```

484. [aprssig] Re: Setting up KPC3+ Tracker

From: KC7ZRU - Tate <kc7zru@arrl.net>
Date: Mon, 23 Dec 2002 22:39:07 -0700
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: TAPR APRS Special Interest Group <aprssig@lists.tapr.org>
Message-ID: <LYR842-112245-2002.12.24-00.25.03--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

```
Here ya go:

http://www.dididahdahdidit.com/plustracker.php

73

Reid Crowe wrote:
>
> Please reply to kc0idi@arrl.net
> ------------------------
> I am trying to get my KPC3+ set up as a tracker.  I was wanting to know what my commands should be set
 to.  Can I get it to transmit when I am stopped or when I turn a corner?  If some one could send me how
 they have theirs set up I would appricate it.
>
> 73 de KC0IDI
>

--
        "The Dungeon" online at http://go.to/kc7zru
              Casper, WY    |    CARC Repeater
                DN62tt      |      146.940-
                 http://www.trib.com/~carc

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```

485. [aprssig] UI-View's New UI-NWS "module"

From: "J.Duffy Beischel" <wb8nut@arrl.net>
Date: Tue, 24 Dec 2002 7:35:40
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-112271-2002.12.24-08.21.30--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

```
Well Roger has given us another enhancement to UI-View with this UI-NWS
enhancement.  It just gets better and better.  So if anyone is interested
in seeing a live UI-View map containing weather warnings, go to:

http://www.wb8nut.com/APRS.html

The red colored areas are warnings and the yellow areas are advisories.
```

They should be there into Christmas morning.

If you're not on UI-View yet, you are missing a lot. BTW, the map that is loaded to my web site every four minutes is a Precision Mapping map.

Merry Christmas!

Duffy
www.wb8nut.com

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Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

---

486. [aprssig] Satellite passes prediction sotfware

From: "Fernando Stancato" <fernando.stancato@unopar.br>
Date: Tue, 24 Dec 2002 12:38:30 -0200
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-112282-2002.12.24-09.26.17--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

I am going in vacations and would like to know a reliable software to predict PCSAT, Rubin, ISS and Starhine3 passes and where to find PCSAT kep. elements.

Yours

Fernando Stancato
SPACE - Sistema de Pesquisa Aerospacial Educativa Científica
UNOPAR
fernando.stancato@prof.unopar.br
www.unopar.br/portal/space

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Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

---

487. [aprssig] Re: Satellite passes prediction sotfware

From: "Daniel H. Brown" <brown@brauhausdc.org>
Date: Tue, 24 Dec 2002 09:46:34 -0500 (EST)
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-112285-2002.12.24-09.32.23--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

On Tue, 24 Dec 2002, Fernando Stancato wrote:

> Date: Tue, 24 Dec 2002 12:38:30 -0200
> From: Fernando Stancato <fernando.stancato@unopar.br>
> To: TAPR APRS Special Interest Group <aprssig@lists.tapr.org>
> Subject: [aprssig] Satellite passes prediction sotfware
>
> I am going in vacations and would like to know a reliable software to
> predict PCSAT, Rubin, ISS and Starhine3 passes and where to find PCSAT kep.
> elements.

If you have a palm OS based pda, check out, pocketsat+

http://www.bigfattail.com/software/pocketsatplus/index.html

It's shareware, but does have a "non registered" mode.

I've used it and really like it.

--
Dan Brown
brown@brauhausdc.org

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---

488. [aprssig] Re: UI-View's New UI-NWS "module"

From: "hasan schiers" <schiers@netins.net>
Date: Tue, 24 Dec 2002 08:51:35 -0600
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-112286-2002.12.24-09.37.19--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Nice job, Duffy! I'm preparing a mini-review discussing this release of
UI-View32. Hopefully will submit it to the SIG sometime today.

...hasan, N0AN

----- Original Message -----
From: "J.Duffy Beischel" <wb8nut@arrl.net>
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Sent: Tuesday, December 24, 2002 7:35 AM
Subject: [aprssig] UI-View's New UI-NWS "module"

> Well Roger has given us another enhancement to UI-View with this UI-NWS
> enhancement. It just gets better and better. So if anyone is interested
> in seeing a live UI-View map containing weather warnings, go to:
>
> http://www.wb8nut.com/APRS.html
>
> The red colored areas are warnings and the yellow areas are advisories.
> They should be there into Christmas morning.
>
> If you're not on UI-View yet, you are missing a lot. BTW, the map that is
> loaded to my web site every four minutes is a Precision Mapping map.
>
> Merry Christmas!
>
> Duffy
> www.wb8nut.com
>
> ---
> You are currently subscribed to aprssig as: schiers@netins.net
> To unsubscribe send a blank email to leave-aprssig-842K@lists.tapr.org
> Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org
>

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489. [aprssig] RE: 144.390

From: "Chris Rose" <kb8uih@arrl.net>
Date: Tue, 24 Dec 2002 10:43:20 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-112293-2002.12.24-10.23.09--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

This has probably been hashed out before but, what WX unit will the Kenwoods
decode data from, or won't they at all?

TNX and Merry Christmas,

Chris
KB8UIH

----- Original Message -----
From: "Joe Dorn" <joedorn@stonemedia.com>
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Sent: Saturday, December 14, 2002 10:18 AM
Subject: [aprssig] RE: 144.390

>
> BTW, when you pick up a digi between Salado and Belton, it is my weather
station, W5VEX-1,
> transmitting data from a Peet unit. I understand that the D700 cannot
display the data
> from the Peet units or I would have bought one. You can check my data out
by going to;
>
> http://www.findu.com/cgi-bin/wxpage.cgi?call=w5vex-1&radar=ewx&last=120

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490. [aprssig] Re: Satellite passes prediction sotfware

From: psschwarz@kellnet.com
Date: Tue, 24 Dec 2002 15:27:23 GMT
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-112294-2002.12.24-10.23.57--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

If using a laptop WinOrbit is reliable. PCsat keps are those of NO44.

Happy Holidays all.

Patrick...KB8RTZ...

>> I am going in vacations and would like to know a reliable software to
>> predict PCSAT, Rubin, ISS and Starhine3 passes and where to find PCSAT
>> kep. elements.

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Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

491. [aprssig] UI-View32 Has Come of Age

From: "hasan schiers" <schiers@netins.net>
Date: Tue, 24 Dec 2002 11:49:25 -0600
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: <ui-view@yahoogroups.com>
Message-ID: <LYR842-112302-2002.12.24-12.35.26--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

This is an update mini-review of UI-View32 latest release, version 1.86

With this release, UI-View32 has come of age, at least for USA Stations

UI-View32 is a full-featured APRS client with all the standard features that we have come to expect from modern APRS programs. It supports all the following features and many more:

Dynamically Zoomed Mapping with Precison Mapping 5.x
Internet Gateway
AFilter Comapatiblity
Multiple TNC's with AGWPE Packet Engine
Digipeating with Kiss Mode (WideN-n,TraceN-n, and mutiple aliases)
Weather Stations (including reading wx file from 3rd party software
Station Lists (full and by category)
NWS Warnings displayed on Map and List with Details (Shapefiles)
Internal User Configurable Filtering
Extensive Use of Sound Files if desired
User-Defined Favorite Map Views
Remote Command Support
IGate Traffic Monitor with Local Station List
Local Terminal Monitor Window
IGate Station List with Details
Internet Time Set
Street Atlas Map Grabber (for those not wanting PM 5.x)

Incredible 3rd Party Support for:

Mobile tracking (UI-Route)
Weather Display (UI-Weather)
Propagation Analysis (UI-Path)
(Many more, too numerous to list)

Each one of these 3rd party add-ins would require their own review, but suffice it to say they are amazing in their own right, yet do not bog the computer down. I have all of the above running, with EchoLink and UISS on the same machine and only use approximately 7% of available CPU cycles as reported by TaskInfo. (WinXP Home, 512mb RAM, 1.1 gig Celeron)

Perhaps the most striking new feature is the NWS support. Roger's implementaton of this feature is outstanding. When used with Precision Mapping 5.x (PM 5.x), the color display of the county/zone warnings is striking. Further, the manner in which the warnings are listed is a great visual aid, not to mention double-clicking on a warning area on the map, results in the display of a "detail box" of information about the warning AND multiple detail boxes can remain open at the same time. They are closed by double-clicking on the detail box.

At the top of the main window of the NWS display, if one clicks on the text of the warning, the map zooms to the area of the warning, and the amount of zoom is customizable. In fact, many things are user definable, including colors used, method of overlay, background, etc.

Note:

Many people are under the impression that the add-on program AGWPE is for sound card tnc's. Actually, no sound card is required, and one can use this fine program for TNC control in KISS mode. The benefit of this is that one can have multiple applications accessing the same TNC at the same time. One can also use "remote serial ports" on a network. My main TNC for 144.390 is NOT on the same machine that UI-View32 is running on. I currently have two tncs being supervised by AGWPE. One on 145.800 (for ISS) and one on 144.390. They are on totally separate machines, but AGWPE with UI-View32 makes them accessible so that UI-View32 can gate the packets heard from ISS onto the internet. This is a neat way to gain serial ports, if you have a home network. Only one copy of UI-View32 is required. A copy of AGWPE is run on both machines. Processor use is less than 5% on a 400 Mhz Celeron running AGWPE. Additionally, I am running the program UISS as a terminal program for Space Station (and PacSat) packet operations. This has simultaneous access to the 145.800 TNC used by UI-View32! I also run a program called AGWPW Terminal on the 2nd machine to monitor all traffic on 144.390. Extensive use of color in this terminal program is a real asset.

I highly recommend running AGWPE for a hardware TNC in KISS mode. The result is simultaneous access, and UI-View32 can implement its powerful smart digipeater functions, as well. UI-View32 will allow the same digipeater functions without AGWPE, if it is run in KISS mode or another special host mode. AGWPE gives multiple access and networked tnc support.

Summary:

UI-View32 has become the "Swiss Army Knife" of APRS programs, without being a resource hog and is ROCK SOLID STABLE. In several months of operation as an Igate 24/7, I have never had a single crash. Not one! The program is fast, efficient and reliable. To top it all off, user support is unprecedented. Roger is on the mailing list, ui-view, which is very active and populated by people who like to help and support the software instead of bickering about ...well, everything. Roger is very fast in responding and has gone overboard to help users who experience difficulty. One testament to the reliablity of the program is that I have yet to see a single report of a problem from a user (including several by me), that were not the result of cockpit error. There are many web pages for downloading and support. The add-ins are all FREE.

Roger's UI-View32 program costs approximately $15.00, yep 15 bucks!!!

Precision Mapping 5.x is about $50.00, but is strictly optional, although I love it!

disclaimer: I don't work for Roger, nor do I receive any monetary or other benefit from his or any other program.

If you want something that is loaded with features, easy to use, fast and cheap, UI-View32 1.86 is your BABY

UI-View32 Author Web Page:

http://www.ui-view.com

.....hasan schiers, N0AN

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492. [aprssig] TS Question

From: "Dave Sloan" <desloan@earthlink.net>
Date: Tue, 24 Dec 2002 12:55:14 -0700
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-112312-2002.12.24-14.44.48--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

```
Hi,
   Is there an easy way to check to see if my Garmin 45XL is sending an
output to the D700? I am not sending anything and I don't see anything wrong
with the D700 settings. So, I guess that it is either the Garmin or the
cable from the Garmin to the D700.
TNX, 73 and Merry Christmas and a Happy and SAFE New Year,
Dave N0EOP


---
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```

---

493. [aprssig] AHubEast Maintenance

From: "Mark A. Foley" <na4v@cox.net>
Date: Tue, 24 Dec 2002 16:18:25 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-112321-2002.12.24-16.04.08--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

```
The AHubEast internet server will be going down tonight for some badly
needed maintenance (drive is over 67% fragmented).  I hope to keep the
interruption to a minimum....
Mark

Mark A. Foley, NA4V
www.na4v.com


---
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Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org
```

---

494. [aprssig] RE: TS Question

From: "Herb Gerhardt" <hgerhardt@charter.net>
Date: Tue, 24 Dec 2002 14:38:09 -0800
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-112324-2002.12.24-17.24.00--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

```
Make sure you have the GPS set to NMEA data output NOT Garmin!

It is a common mistake and also I have had it reset to Garmin on occasions,
so whenever you loose your GPS data, check that setting first.

If it is set to NMEA and your D700 is not receiving the data, I would
suspect it is a cable problem rather than a GPS problem.  Your D700 will
have the GPS letters in the display flashing whenever it receives valid GPS
data.

Herb, KB7UVC
NW APRS Group, West Sound Coordinator
Our WEB Site:  www.nwaprs.org


> -----Original Message-----
> From: bounce-aprssig-29709@lists.tapr.org
> [mailto:bounce-aprssig-29709@lists.tapr.org]On Behalf Of Dave Sloan
> Sent: Tuesday, December 24, 2002 11:55 AM
> To: TAPR APRS Special Interest Group
> Subject: [aprssig] TS Question
>
>
> Hi,
>    Is there an easy way to check to see if my Garmin 45XL is sending an
> output to the D700? I am not sending anything and I don't see
> anything wrong
> with the D700 settings. So, I guess that it is either the Garmin or the
> cable from the Garmin to the D700.
> TNX, 73 and Merry Christmas and a Happy and SAFE New Year,
```

> Dave N0EOP
>

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Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

495. [aprssig] RE: TS Question

From: "Andrew Rich" <andrew.rich@bigpond.com>
Date: Wed, 25 Dec 2002 08:54:20 +1000
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-112328-2002.12.24-17.40.09--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

there is a setting on the d700 called "MON" this will show you the gps data

-----Original Message-----
From: bounce-aprssig-30130@lists.tapr.org
[mailto:bounce-aprssig-30130@lists.tapr.org]On Behalf Of Herb Gerhardt
Sent: Wednesday, 25 December 2002 08:38
To: TAPR APRS Special Interest Group
Subject: [aprssig] RE: TS Question

Make sure you have the GPS set to NMEA data output NOT Garmin!

It is a common mistake and also I have had it reset to Garmin on occasions, so whenever you loose your GPS data, check that setting first.

If it is set to NMEA and your D700 is not receiving the data, I would suspect it is a cable problem rather than a GPS problem. Your D700 will have the GPS letters in the display flashing whenever it receives valid GPS data.

Herb, KB7UVC
NW APRS Group, West Sound Coordinator
Our WEB Site: www.nwaprs.org

> -----Original Message-----
> From: bounce-aprssig-29709@lists.tapr.org
> [mailto:bounce-aprssig-29709@lists.tapr.org]On Behalf Of Dave Sloan
> Sent: Tuesday, December 24, 2002 11:55 AM
> To: TAPR APRS Special Interest Group
> Subject: [aprssig] TS Question
>
>
> Hi,
>   Is there an easy way to check to see if my Garmin 45XL is sending an
> output to the D700? I am not sending anything and I don't see
> anything wrong
> with the D700 settings. So, I guess that it is either the Garmin or the
> cable from the Garmin to the D700.
> TNX, 73 and Merry Christmas and a Happy and SAFE New Year,
> Dave N0EOP
>

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496. [aprssig] RE: TS Question

From: "Herb Gerhardt" <hgerhardt@charter.net>
Date: Tue, 24 Dec 2002 17:03:44 -0800
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-112334-2002.12.24-19.49.31--lyris.aprssig#tapr.org@lists.tapr.org>

Rendered body type: text/plain

I see there is a PMON setting on the bottom bar under the APRS menu. I presume this is the setting you are talking about.

When I push this button, the display gives you the raw incoming APRS data. The same as a TNC would see. This button has nothing to do with the GPS data from the GPS you have connected to the radio.

If your GPS data is getting to the D700 which means the GPS characters are flashing, then you could read out the lat/long on your radio display by pressing the POS button on the bottom bar under the APRS menu. This will give you the current GPS lat/long.

Hope this helps,

Herb, KB7UVC
NW APRS Group, West Sound Coordinator
Our WEB Site: www.nwaprs.org

> -----Original Message-----
> From: Andrew Rich [mailto:andrew.rich@bigpond.com]
> Sent: Tuesday, December 24, 2002 2:54 PM
> To: Herb Gerhardt; TAPR APRS Special Interest Group
> Subject: RE: [aprssig] RE: TS Question
>
>
> there is a setting on the d700 called "MON" this will show you
> the gps data
>
>

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---

497. [aprssig] to all

From: Kevin Deckert <kdeckert@mercuryspeed.com>
Date: Tue, 24 Dec 2002 19:02:48 -0800
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-112342-2002.12.24-21.48.37--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

greeeting to all..
the best of the season,
and May there be Peace on Earth for All.
ve7whk Kevin

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---

498. [aprssig] RE: TS Question

From: "Brian Riley (maillist)" <n1bq_list@wulfden.org>
Date: Tue, 24 Dec 2002 22:06:19 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-112343-2002.12.24-21.52.06--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

I am sorry herb, you are wrong. The GPS data is indeed displayed in PMON. As well as the GPS symbol flashing and the POS display showing the updates ...

Cheers ... 73 de brian, n1bq

On 12/24/02 20:03, "Herb Gerhardt" <hgerhardt@charter.net> wrote:

> I see there is a PMON setting on the bottom bar under the APRS menu. I
> presume this is the setting you are talking about.
>
> When I push this button, the display gives you the raw incoming APRS data.
> The same as a TNC would see. This button has nothing to do with the GPS
> data from the GPS you have connected to the radio.
>

> If your GPS data is getting to the D700 which means the GPS characters are
> flashing, then you could read out the lat/long on your radio display by
> pressing the POS button on the bottom bar under the APRS menu. This will
> give you the current GPS lat/long.
>
> Hope this helps,
>
> Herb, KB7UVC
> NW APRS Group, West Sound Coordinator
> Our WEB Site: www.nwaprs.org
>
>
>> -----Original Message-----
>> From: Andrew Rich [mailto:andrew.rich@bigpond.com]
>> Sent: Tuesday, December 24, 2002 2:54 PM
>> To: Herb Gerhardt; TAPR APRS Special Interest Group
>> Subject: RE: [aprssig] RE: TS Question
>>
>>
>> there is a setting on the d700 called "MON" this will show you
>> the gps data
>>
>>
>
>
>
> ---
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>
>

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499. [aprssig] GPS WIRELESS TRACKER

From: "Bob D." <n2iph@comcast.net>
Date: Tue, 24 Dec 2002 22:09:08 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-112344-2002.12.24-21.54.37--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Interesting application for nextgen GPS-enabled phones.

Wonder how much or if they might have 'borrowed' anything from APRS.

http://www.portableinternet.com/track.htm

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To unsubscribe send a blank email to leave-aprssig-842K@lists.tapr.org
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500. [aprssig] RE: TS Question

From: "Dave Sloan" <desloan@earthlink.net>
Date: Tue, 24 Dec 2002 21:38:51 -0700
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-112348-2002.12.24-23.32.15--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Thanks to everyone for the ideas. Maybe tomorrow before I go to work I can
try some tests. I guess that I should have said that I have had this working
for the last 9 months. The GPS on the D700 isn't flashing and the GPS is
getting a lock. I'll let you know what the outcome is.

Again thanks and have a MERRY Christmas,
Dave N0EOP

-----Original Message-----
From: bounce-aprssig-19713@lists.tapr.org
[mailto:bounce-aprssig-19713@lists.tapr.org]On Behalf Of Brian Riley
(maillist)
Sent: Tuesday, December 24, 2002 8:06 PM
To: TAPR APRS Special Interest Group

```
Subject: [aprssig] RE: TS Question


I am sorry herb, you are wrong. The GPS data is indeed displayed in PMON. As
well as the GPS symbol flashing and the POS display showing the updates ...

Cheers ... 73 de brian, n1bq

On 12/24/02 20:03, "Herb Gerhardt" <hgerhardt@charter.net> wrote:

> I see there is a PMON setting on the bottom bar under the APRS menu.  I
> presume this is the setting you are talking about.
>
> When I push this button, the display gives you the raw incoming APRS data.
> The same as a TNC would see.  This button has nothing to do with the GPS
> data from the GPS you have connected to the radio.
>
> If your GPS data is getting to the D700 which means the GPS characters are
> flashing, then you could read out the lat/long on your radio display by
> pressing the POS button on the bottom bar under the APRS menu.  This will
> give you the current GPS lat/long.
>
> Hope this helps,
>
> Herb, KB7UVC
> NW APRS Group, West Sound Coordinator
> Our WEB Site:  www.nwaprs.org
>
>
>> -----Original Message-----
>> From: Andrew Rich [mailto:andrew.rich@bigpond.com]
>> Sent: Tuesday, December 24, 2002 2:54 PM
>> To: Herb Gerhardt; TAPR APRS Special Interest Group
>> Subject: RE: [aprssig] RE: TS Question
>>
>>
>> there is a setting on the d700 called "MON" this will show you
>> the gps data
>>
>>
>
>
>
> ---
> You are currently subscribed to aprssig as: n1bq_list@wulfden.org
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> Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org
>
>



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Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org
```

501. [aprssig] RE: TS Question

From: Juergen Frank <db2fm@jfsattv.de>
Date: Wed, 25 Dec 2002 10:44:12 +0100
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-112370-2002.12.25-04.30.11--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

```
I can confirm that Andrew and Brian are right. PMON shows data to and from
GPS attached to the D700. I wish there would be also a possibility to see
the incoming packets...

Seasons Greeting to ALL!

73 de Juergen db2fm


am 25.12.2002 4:06 Uhr schrieb Brian  Riley (maillist) unter
```

```
n1bq_list@wulfden.org:

> I am sorry herb, you are wrong. The GPS data is indeed displayed in PMON. As
> well as the GPS symbol flashing and the POS display showing the updates ...
>
> Cheers ... 73 de brian, n1bq
>
> On 12/24/02 20:03, "Herb Gerhardt" <hgerhardt@charter.net> wrote:
>
>> I see there is a PMON setting on the bottom bar under the APRS menu.  I
>> presume this is the setting you are talking about.
>>
>> When I push this button, the display gives you the raw incoming APRS data.
>> The same as a TNC would see.  This button has nothing to do with the GPS
>> data from the GPS you have connected to the radio.
>>
>> If your GPS data is getting to the D700 which means the GPS characters are
>> flashing, then you could read out the lat/long on your radio display by
>> pressing the POS button on the bottom bar under the APRS menu.  This will
>> give you the current GPS lat/long.
>>
>> Hope this helps,
>>
>> Herb, KB7UVC
>> NW APRS Group, West Sound Coordinator
>> Our WEB Site:  www.nwaprs.org
>>
>>
>>> -----Original Message-----
>>> From: Andrew Rich [mailto:andrew.rich@bigpond.com]
>>> Sent: Tuesday, December 24, 2002 2:54 PM
>>> To: Herb Gerhardt; TAPR APRS Special Interest Group
>>> Subject: RE: [aprssig] RE: TS Question
>>>
>>>
>>> there is a setting on the d700 called "MON" this will show you
>>> the gps data

--
DB2FM
Juergen Frank
mailto: db2fm@amsat.org
mailto: db2fm@darc.de
mailto: db2fm@jfsattv.de
ICQ:    144135020


---
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```

502. [aprssig] Re: GPS WIRELESS TRACKER <LYR30523-112344-2002.12.24-21.54.37--kb2scs#optonline.net@lists.tapr.org>

From: kb2scs@optonline.net
Date: Wed, 25 Dec 2002 08:04:03 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-112378-2002.12.25-07.46.38--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

```
Hi All

>From their Web Site:

>How it works
>Software is loaded onto wireless device in seconds (by you using >PC/sync
connection for PDA's or phones, over the air, by dealer or >by us)

>Worker powers on device and if required, GPS receiver (if cabled; >can be
permanently wired and bolted into a vehicle).

snip

Next paragraph "Can You Say Findu"

>Periodically, unit transmits GPS information to our ultra-reliable, >redundant
and secure data center via a wireless link. 2 months of >data is stored, more
on request. Easily print pages or maps for >hardcopy purposes. Period is set
by supervisor and can be changed at >any time.
```

On 24 Dec 2002 at 22:09, Bob D. wrote:

> Interesting application for nextgen GPS-enabled phones.
>
> Wonder how much or if they might have 'borrowed' anything from APRS.
>
> http://www.portableinternet.com/track.htm
>
>
> ---
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>

Let us hope we never witness the "Silence Of The Hams"
73 DE John KB2SCS
Mail To: kb2scs@wa2pnu.#nli.ny.usa.noam
E-Mail: kb2scs@arrl.net

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503. [aprssig] MERRY CHRISTMAS

From: "Jimmy Burkhalter" <kb5wio@tcac.net>
Date: Wed, 25 Dec 2002 07:18:17 -0600
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-112379-2002.12.25-08.04.09--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Merry Christmas to the sig. Have a safe Holladay

http://www.findu.com/cgi-bin/find.cgi?call=kb5wio-9&radar=***

Jimmy Burkhalter   KB5WIO
Amarillo, Texas

kb5wio@tcac.net

35:9:6 N 101:52:332 W

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504. [aprssig] Re: ROAD TRIP!?

From: "Dick C. Reichenbach" <dreichen@columbus.rr.com>
Date: Wed, 25 Dec 2002 10:34:47 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: TAPR APRS Special Interest Group <aprssig@lists.tapr.org>
Message-ID: <LYR842-112387-2002.12.25-10.20.11--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

He could mean Banff, but that is a little north of Mt. Rushmore.

KC7ZRU - Tate wrote:

> "Hot Mineral Spas" in the "North West", why, you must mean Thermopolis
> Wyoming!
>
> http://www.thermopolis.com/pools.html

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505. [aprssig] sat software

From: Kevin Deckert <kdeckert@mercuryspeed.com>
Date: Tue, 24 Dec 2002 22:45:47 -0800
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-112396-2002.12.25-11.49.11--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

```
You can download "Nova"  from  www.nlsa.com
is a very useful and detailed program.  Load current keps into it and a
way you go!  I use it regularly for many satelites.  ve7whk


---
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```

506. [aprssig] KPC9612Plus + Garmin eTrex

From: "Neville A. Cross" <taygon@ibw.com.ni>
Date: Thu, 26 Dec 2002 00:04:51 -0600
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-112468-2002.12.26-00.40.31--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

```
Hello to all,

I don't have an elmer around, so I come here looking for help.
I connected a Kantronics KPC9612Plus with a GPS Garmin eTrex. I made an
short cable with a DB9 in one to attach the data cable of the GPS and a
DB25 in the other end to attach the TNC. I set the TNC in GPS mode and put
everything in my car. When I came inside home to see the beacon on the map,
it showed as a Yacht.
My questions is: How can I modify the settings of the TNC in order to make
the beacons send the icon of a car, truck, or other vehicle?

Thanks in advance

Neville A. Cross
YN1NCV
Managua, Nicaragua.
taygon@ibw.com.ni


---
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```

507. [aprssig] Re: KPC9612Plus + Garmin eTrex

From: "Ken Patterson" <kenp@etex.net>
Date: Thu, 26 Dec 2002 06:21:11 -0000
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-112469-2002.12.26-01.06.53--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

```
Hi Neville.

Perhaps this information will help.

http://www.dididahdahdidit.com/text/symbols.txt

The client programs (WinAPRS, APRS +SA, UI-View, etc) display some icons
differently. However, the car, & truck icon is the same...I think.

Also, see: http://www.jarviscomputer.com/jim/aprs-symbols/

de Ken,
N5EQT



---
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```

508. [aprssig] I-gate Always-On Method

From: "Ken Patterson" <kenp@etex.net>
Date: Thu, 26 Dec 2002 06:37:11 -0000
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-112470-2002.12.26-01.22.58--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

I am building a full-time, unmanned I-gate & have hit a problem.

I cannot find a way for the PC to power itself back up after a power outage.

Shorting the power switch does not work. Since it's a low-level connection to the motherboard, it powers-up, then powers back down after about 10 seconds.

BIOS settings have been of no help.

In normal use, the PC works very well.

A UPS is out of the question, due to availability and / or cost.

Has anyone here on the SIG overcome this problem using a recent vintage PC?

de Ken,
N5EQT

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---

509. [aprssig] Re: I-gate Always-On Method

From: David L Norris <kg9ae@webaugur.com>
Date: 26 Dec 2002 04:31:11 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: TAPR APRS Special Interest Group <aprssig@lists.tapr.org>
Message-ID: <LYR842-112477-2002.12.26-04.17.06--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

On Thu, 2002-12-26 at 01:37, Ken Patterson wrote:

> I am building a full-time, unmanned I-gate & have hit a problem.
> I cannot find a way for the PC to power itself back up after a power outage.
> Shorting the power switch does not work. Since it's a low-level connection
> to the motherboard, it powers-up, then powers back down after about 10
> seconds.
> BIOS settings have been of no help.

No alarm clock type setting in the power management? That's annoying. Most modern machines have a power management option to make sure the machine is running (and/or not running) between certain hours of the day.

> In normal use, the PC works very well.
> A UPS is out of the question, due to availability and / or cost.

A decent UPS is only $30-$50 these days... At least one good enough to run through a brown out or power surge. Seems almost mandatory for a dedicated igate that is powered from the mains.

> Has anyone here on the SIG overcome this problem using a recent vintage PC?

Could you perhaps build a circuit to detect whether the machine is on and have it pulse the power switch if it is not? A simple one-shot (monostable multivibrator) circuit would probably work well enough. Trigger it using the power LED off state and pulse the power switch signal low (or high, or whatever that motherboard takes) for a second or so. In theory, that should turn the machine back on when the power LED is off. You could probably build the whole circuit for under $1.

--
David Norris
Dave's Web - http://www.webaugur.com/dave/
Augury Net - http://home.webaugur.com/
ICQ - 412039

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510. [aprssig] RS wx station question

From: "Bud Talbot" <kb9wvg@arrl.net>
Date: Thu, 26 Dec 2002 8:15:49
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-112486-2002.12.26-09.01.42--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Greetings all-
I recieved a new Radio SHack wrieless weather station (63-1016) for
CHristmas. It is very nice- rain, wind, temp/baro, etc. Has anybody ever
interrfaced one of these with an aprs setup? I have a kpc-3+ here in the
house running APRSpoint (which I'd switch away from without too much of a
fight). My questions are these:
1. Should the wx station be connected to the computer's serial port or to
the tnc's seond serial port (y-cable, etc.)
2. What pc aprs program supports this station? Does winaprs setup for the
wx-200 emulate this?
Thganks in advance for any advice.

73
Bud
KB9WVG

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511. [aprssig] Onstar and APRS

From: "Marvin Kaskawits" <kd2ck@arrl.net>
Date: Thu, 26 Dec 2002 9:15:52
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-112497-2002.12.26-10.01.41--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Does anyone know where to tap on to the data output of the GM Onstar
system. I would like to take advantage of the built in GPS data source to
feed my TNC.

Marvin
kd2ck@arrl.net

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512. [aprssig] Re: RS wx station question

From: "hasan schiers" <schiers@netins.net>
Date: Thu, 26 Dec 2002 12:48:35 -0600
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-112517-2002.12.26-13.34.25--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Check the WeatherDisplay web site (a 3rd party weather station software
package). It probably supports your weather station, but perhaps under
another name (like Oregon Scientific). Weather Display writes an aprs
compatible file to any location you want, which programs like UI-View32 and
APRS+SA will read in and use.Very nice.

Further, Weather Display is a "knockout" weather program. Terrific support
and continual development.

Do a google search for Weather Display and you will find it. The author is
in New Zealand.

73

....hasan, N0AN

----- Original Message -----
From: "Bud Talbot" <kb9wvg@arrl.net>
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Sent: Thursday, December 26, 2002 8:15 AM
Subject: [aprssig] RS wx station question

> Greetings all-
> I recieved a new Radio SHack wrieless weather station (63-1016) for
> CHristmas. It is very nice- rain, wind, temp/baro, etc. Has anybody ever
> interrfaced one of these with an aprs setup? I have a kpc-3+ here in the
> house running APRSpoint (which I'd switch away from without too much of a
> fight). My questions are these:
> 1. Should the wx station be connected to the computer's serial port or to
> the tnc's seond serial port (y-cable, etc.)
> 2. What pc aprs program supports this station? Does winaprs setup for the
> wx-200 emulate this?
> Thganks in advance for any advice.
>
> 73
> Bud
> KB9WVG
>
> ---
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513. [aprssig] WX station and UIView

From: "Bud Talbot" <kb9wvg@arrl.net>
Date: Thu, 26 Dec 2002 13:10:16
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-112523-2002.12.26-13.56.09--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Thanks to all who emailed advice to me about my new weather station. I've taken that advice and set up the system with Weather Display and UIView. Just to echo the comments of others- UIView is a great program! I'm using it with mappoint maps (through UIPoint) and it works well. The weather display program creates a nice log file which is read by UIView. I had been using APRSPoint, but it lacks a lot of functionality and is never updated. UIView is easy to set up and use and it can still use the mappoint maps (which are very nice). I'm glad I jumped on the bandwagon!

73
Bud
KB9WVG

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514. [aprssig] Re: APRS on 2.4 GHz??? groan..

From: "Phil Pacier, AD6NH" <ad6nh@arrl.net>
Date: Thu, 26 Dec 2002 14:28:32
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-112526-2002.12.26-15.14.19--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

On 12/22/02, "blitz <blitz@macronet.net>" wrote:
<SNIP>
> Experimentation is a dead art for most hams.
<SNIP>

And you wonder why? It's because every time someone proposes a new project or idea (as Bob did and has been doing for years), this is the type of response that is usually seen.

Phillip Pacier - AD6NH
www.aprsca.net

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515. [aprssig] Re: APRS on 2.4 GHz??? groan..

From: Jeff King <jeff@aerodata.net>
Date: Thu, 26 Dec 2002 15:56:26 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-112531-2002.12.26-15.42.32--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Phil:

I don't believe the original posting sought ego boasting, it sought peer review. As such, I have to disagree with your implication peer review should be suppressed on the APRS SIG just because it may not be politically correct or one doesn't like to hear it.

If an experimenter seeks out peer review, then they had better have tough skin, which is the whole point of peer review. Go work at a University doing research and you'll really get your feelings hurt if what you saw bothered you.

That much being said, I don't agree with all of what blitz said, yet in any peer review situation, if all you seek are "YES MEN" it is essentially worthless. So I commend him for taking the time to critique the proposed experiment, as should any other experimenter seeking peer review.

--
Jeff King, jeff@aerodata.net on 12/26/2002

On Thu, 26 Dec 2002 14:28:32, Phil Pacier, AD6NH wrote:
>On 12/22/02, "blitz <blitz@macronet.net>" wrote:
><SNIP>
>> Experimentation is a dead art for most hams.
><SNIP>
>
>And you wonder why? It's because every time someone proposes a new project
>or idea (as Bob did and has been doing for years), this is the type of
>response that is usually seen.
>
>Phillip Pacier - AD6NH
>www.aprsca.net

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516. [aprssig] Re: APRS on 2.4 GHz??? groan..

From: Steve Dimse <k4hg@tapr.org>
Date: Thu, 26 Dec 2002 16:17:55 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: TAPR APRS Special Interest Group <aprssig@lists.tapr.org>
Message-ID: <LYR842-112532-2002.12.26-16.03.49--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

On 12/26/02 at 2:28 PM ad6nh@arrl.net (Phil Pacier, AD6NH) sent:

>On 12/22/02, "blitz <blitz@macronet.net>" wrote:
>> Experimentation is a dead art for most hams.

>And you wonder why? It's because every time someone proposes a new project
>or idea (as Bob did and has been doing for years), this is the type of
>response that is usually seen.
>
If these responses keep someone from experimenting, the fault lies with the would-be experimenter, not with the nay-sayer. Too many people expect instant gratification, instant recognition, for just having an idea.

Edison said it best, "Genius is one percent inspiration and ninety-nine percent perspiration". Having the idea is the easy part...making the idea work is the hard part. Anyone deterred by negative comments on this list probably does not have the internal motivation to see a project through to completion.

Innovators are self-motivated, and derive their satifaction from seeing an idea through to implementation. They aren't approval-seekers, looking to please others. Nice when it happens, but it is not the primary motivation.

And is there less innovation and experimentation in ham radio than there used to be? Certainly that is the common perception, but I'm not convinced. Lots of great things have happened in the last two decades...I think what is happening is people's perceptions have changed. We are used to accelerating change in the rest of the world, so the more "normal" rate of change in ham radio seems slowed. Looking back into history time compresses, but look at the major innovations in ham radio, there haven't been that many, and they've been spaced out by years...it only seems like they followed on each other's heels.

So, want to experiment or innovate? Just do it, ignore the critics. Want to be the critic? Go right ahead, but wouldn't it be more interesting for you to put that energy into your own project?

Steve K4HG

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517. [aprssig] Re: APRS on 2.4 GHz??? groan..

From: Bob Bruninga <bruninga@usna.edu>
Date: Thu, 26 Dec 2002 17:03:49 -0500 (EST)
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: TAPR APRS Special Interest Group <aprssig@lists.tapr.org>
Message-ID: <LYR842-112536-2002.12.26-16.49.46--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

I guess I lost the thread...

but my original question was along the lines of:

1) given that you can drive just about anywhere and find 2.4 GHz wireless access poitns, and

2) APRS-IS and FINDU.COM etc are all connected to the internet

So what does it take in the way of middleware to let HAM radio war-drivers with 2.4 GHz wireless cards in their vehicles, to tie into APRS-IS? Either input, output or both..?

I admit, this is all beyond me at the moment.. but maybe someone can address what it would take to glue this alltogether into something FUN... or maybe even useful?

Is there some kind of UDP packet that can be sent into APRS-IS wihtout a full connection?

Bob

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518. [aprssig] Re: APRS on 2.4 GHz??? groan..

From: blitz <blitz@macronet.net>
Date: Thu, 26 Dec 2002 17:13:11 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-112537-2002.12.26-16.59.42--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

And perhaps why we take our experimentation outside the ham bands, then make it a commercial project, make money off of it, and sell it back to you at inflated prices.

Actually, there is a good reason, and its got more to do with the horrible prices of equipment to get a decent shop set up. I've serviced land mobile radio for a couple decades now, and have seen the days when a venerable HP608 sig gen and a $100 freq counter needed to be replaced with a $20,000 signal generator, and a $5000 frequency counter, so this complaint is a non-starter. Who's going to buy in at those prices?

I still experiment, Ive been quite active in spread-spectrum, RTTY,
microwave and software controlled radios, and I can tell you when its ready
for market, some Jap company will be the only one to manufacture it, and
you will be more than happy to open your wallet and spend the big bucks, so
you can show it off to your friends.
However, the costs of getting started in any of these areas will
undoubtedly cost you more than what's already in your shack.

Couple that with the lack of parts and the lack of knowledge in the
upcoming areas of experimentation, and you'll see why its a dead issue.
Sure you can still build a chirp generator for 40 meters and call it a CW
transmitter out of an old TV set and some parts from Mouser, but who even
knows how to send CW any more? From what I see in the reports, most
licenses are bought now, not earned. Listening to some of the hams on that
dying but nevertheless huge allotment of CW frequencies gives new light to
the old Q-signal QLF....Its either that, or they're sending 300 wpm with
their computer, and getting a 1 in 100 letter decode and wonder why no one
wants to talk to them, or even decode their CQ for example. Most likely its
because theyre running their killowatt into a 4 to 1 SWR and have to reset
the computer after every sentence.

I have a lot of respect for Bob, he's a breath of fresh air and I love
satellite work, throughout the PCSat project Ive been there, and doing my
share of playing with the bird. I love it. Most of this stuff isn't for Joe
ham, who would rather sit on the local repeater and be obnoxious to his
fellow hams. Theres certain parts of the hobby that don't interest some
while other parts interest even less. Over my 35 years of hamming, I see
everything from 2 meter CB to the arcane and to each his own of course.
Remember bragg cells? That's the wonderful thing about the hobby, you can
participate as much or as little as you want. Even the Internet has opened
up new facets of the hobby, from FINDU to being able to sit half a
continent away and bitch about something you don't like in email and get a
response without ever turning on a radio.

I just grin and bear it, I suggest you do likewise...your blood pressure
will thank you....

73

At 14:28 12/26/02 +0000, you wrote:
>On 12/22/02, "blitz <blitz@macronet.net>" wrote:
><SNIP>
> > Experimentation is a dead art for most hams.
><SNIP>
>
>And you wonder why? It's because every time someone proposes a new project
>or idea (as Bob did and has been doing for years), this is the type of
>response that is usually seen.
>
>Phillip Pacier - AD6NH
>www.aprsca.net
>
>---
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519. [aprssig] Re: APRS on 2.4 GHz??? groan..

From: "AE5PL Lists" <HamLists@ametx.com>
Date: Thu, 26 Dec 2002 16:45:14 -0600
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-112538-2002.12.26-17.31.02--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

See below...

> -----Original Message-----
> From: Bob Bruninga [mailto:bruninga@usna.edu]
> Posted At: Thursday, December 26, 2002 4:06 PM

> Subject: [aprssig] Re: APRS on 2.4 GHz??? groan..
>
> So what does it take in the way of middleware to let HAM
> radio war-drivers with 2.4 GHz wireless cards in their
> vehicles, to tie into APRS-IS? Either input, output or both..?

If they can find an open WAP with passage to the Internet, the same client software they use at home to access APRS-IS will work mobile.

> Is there some kind of UDP packet that can be sent into
> APRS-IS wihtout a full connection?

Not necessary (and UDP is very ugly regarding security). 802.11 in conjunction with the networking software on the client end makes the client "believe" it is attached via a LAN to the network. I know this is an oversimplification, but the result is accurate. There is nothing special that needs to be done to APRS-IS client software to make use of open wireless networks. The downside is, and this is true through out the country, is that as you move, you rapidly go in and out of coverage causing your IP address to change and many wireless networks don't have a way to get to the Internet. IMO, for any type of true mobile use, 802.11b and 802.11a access points are too limited in coverage due to the numerous discussions on this SIG about equipment limitations and multiple frequency uses.

A presentation at DCC suggested that hams could take advantage of the 802.11b channels that fall within our band by creating higher power "ham radio" WAPs for applications such as this. Don't know if anybody has pursued this further, but it is a possibility.

73,

Pete Loveall AE5PL
pete@ae5pl.net

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520. [aprssig] Re: APRS on 2.4 GHz??? groan..

From: "Rich Garcia" <k4gps@bellsouth.net>
Date: Thu, 26 Dec 2002 18:19:55 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-112539-2002.12.26-18.03.26--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

I agree with Steve here. Bob's initial comment made me get off the sideline and join the 802.11x crowd. I bought my wife a AirCard and I purchased a Orinoco Gold card along with some machine made jumpers for MCX and RP-TNC connectors on Monday. Call it a mix of scanning and DX'ing but I installed Net Stumbler and started driving to see what was out there and was surprised as to the numbers of AP's in homes and more surprised at the number of AP's in businesses without ANY WEP. Call me a wardriver if you like but I would much rather consider myself chasing beacons and learning about propagation.

Today I received my 2.4 GHz magnet mount and headed out to see how much better it was. It was very interesting to see that in some places the external antenna helped while at others it did not. This does not really relate to APRS but I am learning about the band and what does or does not work, not to mention many of my AP settings have been changed based on what I have learned.

Can a small community with amateurs accomplish something on the 2.4 GHz band ? Yes but you got to start learning somewhere that that is what I have done. Can we use these AP's to do APRS-IS while on the road in someones network coverage ? Yes but then we get into a morality question here, it is a VERY gray area.

Get out and learn...yes it may cost money but so does that whiz bang 1kw amp and all you can learn off of that is how to tune it up so it does not smoke.

Rich K4GPS

-----Original Message-----
From: bounce-aprssig-19959@lists.tapr.org
[mailto:bounce-aprssig-19959@lists.tapr.org]On Behalf Of Steve Dimse

Sent: Thursday, December 26, 2002 4:18 PM
To: TAPR APRS Special Interest Group
Cc: TAPR APRS Special Interest Group
Subject: [aprssig] Re: APRS on 2.4 GHz??? groan..

On 12/26/02 at 2:28 PM ad6nh@arrl.net (Phil Pacier, AD6NH) sent:

>On 12/22/02, "blitz <blitz@macronet.net>" wrote:
>> Experimentation is a dead art for most hams.

>And you wonder why? It's because every time someone proposes a new project
>or idea (as Bob did and has been doing for years), this is the type of
>response that is usually seen.
>
If these responses keep someone from experimenting, the fault lies with the
would-be experimenter, not with the nay-sayer. Too many people expect
instant
gratification, instant recognition, for just having an idea.

Edison said it best, "Genius is one percent inspiration and ninety-nine
percent
perspiration". Having the idea is the easy part...making the idea work is
the
hard part. Anyone deterred by negative comments on this list probably does
not
have the internal motivation to see a project through to completion.

Innovators are self-motivated, and derive their satifaction from seeing an
idea
through to implementation. They aren't approval-seekers, looking to please
others. Nice when it happens, but it is not the primary motivation.

And is there less innovation and experimentation in ham radio than there
used to
be? Certainly that is the common perception, but I'm not convinced. Lots of
great things have happened in the last two decades...I think what is
happening
is people's perceptions have changed. We are used to accelerating change in
the
rest of the world, so the more "normal" rate of change in ham radio seems
slowed. Looking back into history time compresses, but look at the major
innovations in ham radio, there haven't been that many, and they've been
spaced
out by years...it only seems like they followed on each other's heels.

So, want to experiment or innovate? Just do it, ignore the critics. Want to
be
the critic? Go right ahead, but wouldn't it be more interesting for you to
put
that energy into your own project?

Steve K4HG

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521. [aprssig] Tiny Web Pages

From: "Bud Talbot" <kb9wvg@arrl.net>
Date: Thu, 26 Dec 2002 17:55:49
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-112542-2002.12.26-18.41.47--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

More fun with UIView- I loaded in the tiny web pages server add on from
PD0RHM. It works by referencing an overlay file upon query. Just to play, I
loaded in .pos for a local hospital, police station, electronics store, two
repeaters and a weekly net. A message sent to my home station of "??" will

return the command options (?HOSP, ?POL, etc.). A message sent with the command line will post an object that can be navigated to. Very cool and easy to use! It worked flawlessly with my D7.

Next time you are in southwest Houston (near Sugar Land), try it out!

73 de Bud
KB9WVG

(I need to pull myself away from the computer today!)

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522. [aprssig] GPRS Tracking was Re: APRS on 2.4 GHz??? groan..

From: "Darryl Smith" <Darryl@radio-active.net.au>
Date: Fri, 27 Dec 2002 16:19:34 +1100
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-112560-2002.12.27-00.10.34--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

G'Day

Well, I have been playing with GPRS tracking - based on the GPS phone system that most of the civilised world uses... I did a 1 hour drive each way on christmas day, and a four hour break in the middle.

I was beaconing once a minute on GPRS. When I got home I found 17 TCP/IP connections to my laptop - all still active, although none were actively sending data... Seems that when the gprs looses signal with how it is implemented down hear and you get assigned a new IP address for the GPRS unit, then a new connection is opened... But the old one stays open for hours just in case you go back into that cell...

This is going to be fun when the 13,000 police in NSW start getting this same equipment into their cars...

Anyway my point... This data could go straight into the iGATE system with some minor work, but realistically some work is needed first on a remote system to reduce the sheer number of connections, and to kill off ones that are not passing data any more.

Darryl

P.S. One of my clients is going to pay me to write such a server, and convert the IMEI (GSM version of the ESN) into callsigns..

Darryl Smith, VK2TDS   POBox 169 Ingleburn NSW 2565 Australia
Mobile Number 0412 929 634 [+61 4 12 929 634 International]
Darryl@radio-active.net.au | www.radio-active.net.au

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523. [aprssig] Re: GPRS Tracking was Re: APRS on 2.4 GHz??? groan..

From: "Gregg G. Wonderly" <gregg@skymaster.cytetech.com>
Date: Thu, 26 Dec 2002 23:43:45 -0600
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: TAPR APRS Special Interest Group <aprssig@lists.tapr.org>
Message-ID: <LYR842-112568-2002.12.27-00.29.41--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

>I was beaconing once a minute on GPRS. When I got home I found 17 TCP/IP
>connections to my laptop - all still active, although none were actively
>sending data... Seems that when the gprs looses signal with how it is
>implemented down hear and you get assigned a new IP address for the GPRS
>unit, then a new connection is opened... But the old one stays open for
>hours just in case you go back into that cell...

By default, some TCP/IP will not do any kind of keepalive. What you appear to be seeing is that your network connection was severed on one end by the fact that th RF path failed due to you leaving the area. If the other end never tries to send any data, it will never get a response (or lack thereof) telling it that the socket is invalid.

In a dynamically addressed network, without address reuse, some more interesting things can occur as well. Network applications and distributed computing has to take failure into account. Keep alive in both directions is essential if you don't want to have stale connections laying around...

-----
gregg@cytetech.com (Cyte Technologies Inc)

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524. [aprssig] KPC9612Plus + Garmin eTrex

From: "Neville A. Cross" <taygon@ibw.com.ni>
Date: Fri, 27 Dec 2002 01:05:40 -0600
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-112578-2002.12.27-01.41.34--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Hello to all,

I want to thanks all the people that wrote to me answering my question.
Byron Smith WA6YLB; Reid KC0IDI; and Cap Pennell KE6AFE
I got couple of choices now. Furthermore, I have learned more than just an awser to my narrow question.
Thanks again. I really appreciated your attention and time.

Neville A. Cross
YN1NCV
Managua, Nicaragua.
taygon@ibw.com.ni

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525. [aprssig] Re: I-gate Always-On Method

From: WA8LMF2@aol.com
Date: Fri, 27 Dec 2002 02:11:41 EST
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-112581-2002.12.27-01.57.36--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

In a message dated 12/25/02 10:38:44 PM Pacific Standard Time, kenp@etex.net writes:

> I am building a full-time, unmanned I-gate & have hit a problem.
>
> I cannot find a way for the PC to power itself back up after a power outage.
>

You need a BIOS upgrade or possibly a new motherboard. Nearly all current motherboards that include soft control (i.e momentary pushbutton instead of locking rocker or toggle switch) of the power supply now have a BIOS setup option, usually under "Power Management" or something similar, for:

```
     State after power interruption:
          Previous State,
          Always On
          Always Off
```

This option is intended to allow servers to recover and reboot unattended after a power failure (or to allow a machine to be powered up from an external switch when a modem detects a ring), and is exactly what you need for your application.

I use the option "Always On" to allow a machine to be turned on from an external power center's master switch. You let Windows do it's normal software-controlled shutdown and PC power-off. You then switch off the master switch on the power center to remove power from the monitor, printer, etc as well as the PC. The next time you flip the power center's master switch back on, the PC will start up by itself along with the monitor, etc.

In another installation, I externally control power to a PC with an X-10 controller activated by an X-10 Phone Responder dial-in remote control.

```
Stephen H. Smith                   wa8lmf @ aol.com
Home Page:                                        http://wa8lmf.com
Ham Radio/Mobile SSTV page:     http://members.aol.com/wa8lmf/ham
APRS Stuff
http://members.aol.com/wa8lmf/aprs

   Radio Communications Systems       Personal Computers
                Consulting and Systems Integration
    GPS Custom Mapping    &     Radio Coverage Surveys
    File Conversions       MS-Windows Setups       Networking
```

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526. [aprssig] findU changes

From: Steve Dimse <k4hg@tapr.org>
Date: Fri, 27 Dec 2002 13:36:46 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-112633-2002.12.27-13.22.50--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

The backup server has taken up most of the load from the primary server for a few days, and I have heard no complaints. AFAIK, everything is working on the new server, the only difference will be with long term plots of telemetry, weather, and tracks, where the new server has not been up as long. If something is not working, now is the time to say something...the next week is extremely busy for me.

The name server switch-over should happen in the next day or two, and then everything (other than email, which I will not be placing on the new box) will be handled by the backup server. I'll be taking the primary server offline on January second, doing some updates (doubling memory and disk capacity, and kernal and other software updates), and shipping it out on the third to its new home. I'll be on a cruise (a band cruise with Deanna Bogart, I've produced her last two albums) from the third through the sixth, and essentially unreachable.

To ease the transition, everyone linking to my system or using the database should be using the name www.findu.com, not www1.findu.com, findu.com or an ip address, as these will fail soon. I'm still seeing a load of about 5% of the normal level on the primary server, this is from people not using the www.findu.com name. You have been warned!

Once I'm back and the primary box is online at its new home and synced up, I'll be going to load sharing, where both servers take about half the traffic...the result is the system will be more responsive and less prone to failure.

Thanks for your patience!

Steve K4HG

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527. [aprssig] Re: APRS on 2.4 GHz??? groan..

From: Steve Dimse <k4hg@tapr.org>
Date: Fri, 27 Dec 2002 14:54:28 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: TAPR APRS Special Interest Group <aprssig@lists.tapr.org>
Message-ID: <LYR842-112635-2002.12.27-14.40.36--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

On 12/26/02 at 5:03 PM bruninga@usna.edu (Bob Bruninga) sent:

>I guess I lost the thread...
>
>but my original question was along the lines of:
>
>1) given that you can drive just about anywhere and find 2.4 GHz wireless

>access poitns, and
>
>2) APRS-IS and FINDU.COM etc are all connected to the internet
>
>So what does it take in the way of middleware to let HAM radio war-drivers
>with 2.4 GHz wireless cards in their vehicles, to tie into APRS-IS?
>Either input, output or both..?
>
>I admit, this is all beyond me at the moment.. but maybe someone can
>address what it would take to glue this alltogether into something FUN...
>or maybe even useful?
>
Anytime you get an IP connection, whether war-driving, Starbucks, or your own
DSL or dial-up, you can connect to the APRS IS...it does not matter how you are
connected to the internet.

If you want to have some sort of automatic software that wardrives, connects,
and sends APRS IS data automatically, that is a little tougher, and probably not
workable at freeway speeds, by the time a laptop senses a network, negotiates a
DHCP lease, and connects to the APRS IS, you are probably too far down the road
to send data.

>Is there some kind of UDP packet that can be sent into APRS-IS wihtout a
>full connection?
>
AFAIK, no one opeens up a UDP part to outside networks, it is a security risk.

Steve K4HG

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528. [aprssig] Re: APRS on 2.4 GHz??? groan..

From: "Dakota Summerhawk" <WYPCGuy@hotmail.com>
Date: Fri, 27 Dec 2002 14:10:08 -0700
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-112645-2002.12.27-15.56.07--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

After reading the replaies I have come to a conclusion. Please experiment!
That is what Ham is all about. Did Ben Franklin ask permission before flying
a kite in a thunderstrom? Did Edison ask before inventing all of the
wounderful things that make our life easier? Did Bob ask when he decided to
invent APRS? So by all means if you want to experiment then by all means do
so!

I do not want to see Ham become a "Production" or "Out of the box" hobby.
Just an opinion for what its worth.

Peter
N0WRE

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529. [aprssig] Re: [Steve Dimse] Re: APRS on 2.4 GHz??? groan..

From: "Gregg G. Wonderly" <gregg@skymaster.cytetech.com>
Date: Fri, 27 Dec 2002 15:29:29 -0600
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: TAPR APRS Special Interest Group <aprssig@lists.tapr.org>
Message-ID: <LYR842-112649-2002.12.27-16.15.32--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

>AFAIK, no one opeens up a UDP part to outside networks, it is a security risk.

It is of no more inherent risk than a TCP port! What is at issue is whether a
stream connection is necessary for any particular service. What usually is
the issue is that because microsoft had exploitable ports open on their
machines, everyone decided that NAT, firewalling and proxies were the answer
to access control issues. Now that all of these things are in place, they are
accepted as part of the network.

UDP would be a fine way to send APRS traffic through the internet. Especially
from the perspective that an overloaded host would get implicit help in
shedding the extra load by the kernel layers network buffer management. If we

really want to do more on the internet, we need to standardize on a packet container such as XML for transport.

We could attach public key/signing technologies to packet submission so that packets are signed by the originating call owner. Everyone would be able to not worry about where data was comming from anymore. The core APRSIS servers could include a public key server. This would not necessarily solve problems related to people replaying old packets that are signed, except if we include ignoring duplicates, and demand that the transported packet include a timestamp in the signed data. That would allow the same data to be submitted for a later time, and the signature would take that change into account.

I am still working on my Java based dynamically reconfiguring APRSD implementation. I have it working in a remedial way. You specify a level in the tree of servers to connect to, and it goes and finds something that is at or above that level. When that server goes away, it discovers a new one. The next thing will be to add a container infrastructure such as the above. The software is designed so that you run it on your existing APRSD (or whatever you are running as your IGATE) and just tell your software to connect to localhost:port instead of the remote server. Then, the new trasnpoer infrastructure will be able to be layed over the exising network. What can happen is that at the top level, the servers can be replaced, and they will wrap old format data as they receive it. We can push the new servers out to the lowest levels over time.

The igate servers can then provide some of these new services and we can start experimenting with new features. Specifically, once the data is all wrapped in XML, then new fields will not affect old igates/aprsd/servers. Each will be able to use the data that it is compatible with, and ignore any new tags/attributes that anyone adds to support a specific application/feature they need supported.

-----
gregg@cytetech.com (Cyte Technologies Inc)

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---

530. [aprssig] AHubEast Status

From: "Mark A. Foley" <na4v@cox.net>
Date: Fri, 27 Dec 2002 17:12:22 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: "dale huguley" <kg5qd@earthlink.net>, "Roger Barker" <roger@peaksys.co.uk>,
"Roger Bille" <roger.bille@telia.com>,
"Phillip Pacier" <ad6nh@arrl.net>, <dick@kb7zva.com>
Message-ID: <LYR842-112652-2002.12.27-16.57.58--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

AHubEast.net (DNS) is currently down due to a problem with a DNS server. The problem should correct itself in the next 6-48 hours...(I hope). You can connect to it direct: 68.101.46.52:10152 (full feed) or 68.101.46.52:14579 (eastern regional feed). I apologize for any inconvenience this may have caused.

FYI...the AHubEast server will be switching its domain name to fall in line with the other tier 2 servers. The new domain name will be aprseast.net. This should be activated sometime next week...will announce when operational....

Mark A. Foley, NA4V
www.na4v.com

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531. [aprssig] Re: [Steve Dimse] Re: APRS on 2.4 GHz??? groan..

From: Steve Dimse <k4hg@tapr.org>
Date: Fri, 27 Dec 2002 17:25:58 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: TAPR APRS Special Interest Group <aprssig@lists.tapr.org>
Message-ID: <LYR842-112654-2002.12.27-17.11.53--lyris.aprssig#tapr.org@lists.tapr.org>

Rendered body type: text/plain

On 12/27/02 at 3:29 PM gregg@skymaster.cytetech.com (Gregg G. Wonderly) sent:

>>AFAIK, no one opeens up a UDP part to outside networks, it is a security risk.
>
>It is of no more inherent risk than a TCP port! What is at issue is whether a
>stream connection is necessary for any particular service. What usually is
>the issue is that because microsoft had exploitable ports open on their
>machines, everyone decided that NAT, firewalling and proxies were the answer
>to access control issues. Now that all of these things are in place, they are
>accepted as part of the network.
>
There is as presently implemented. Yes, as you say, you could use public key
cryptography to secure it, but the infrastructure to do this is in the dreaming
stage. My statement was in the present tense, and I stand by it.

>UDP would be a fine way to send APRS traffic through the internet. Especially
>from the perspective that an overloaded host would get implicit help in
>shedding the extra load by the kernel layers network buffer management. If we
>really want to do more on the internet, we need to standardize on a packet
>container such as XML for transport.
>
The big problem with UDP is that there is no ACK. You do not have guaranteed
packet delivery. Sure you could do your own, but that is what TCP is, no need to
re-invent the wheel. Without it, you will risk losing packets when there is
congestion on the network.

In Bob's question, there is a legit reason for using UDP...an app could simply
shoot out a flurry of UDP packets, and in the event that a connection comes up,
you have a better chance of getting a packet through than if you waited for a
TCP connection to open. This is the only reason I've heard for UDP that I find
compelling, but without another layer of authentication, if opens up the APRS IS
to abuse, as there is no accountability with a UDP packet as presently
implemented in the hub software.

Best of luck with your project!

Steve K4HG

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532. [aprssig] Re: [Steve Dimse] [Steve Dimse] Re: APRS on 2.4 GHz??? groan..

From: "Gregg G. Wonderly" <gregg@skymaster.cytetech.com>
Date: Fri, 27 Dec 2002 16:42:06 -0600
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: TAPR APRS Special Interest Group <aprssig@lists.tapr.org>
Message-ID: <LYR842-112655-2002.12.27-17.27.59--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

>On 12/27/02 at 3:29 PM gregg@skymaster.cytetech.com (Gregg G. Wonderly) sent:
>>It is of no more inherent risk than a TCP port!

>There is as presently implemented. Yes, as you say, you could use public key
>cryptography to secure it, but the infrastructure to do this is in the
dreaming
>stage. My statement was in the present tense, and I stand by it.

I was speaking specifically of transporting data. The issue of the encrypted
call sign used for auth on TCP connect now is not what I was speaking to.

>>UDP would be a fine way to send APRS traffic through the internet. Especially

>>from the perspective that an overloaded host would get implicit help in
>>shedding the extra load by the kernel layers network buffer management. If
we
>>really want to do more on the internet, we need to standardize on a packet
>>container such as XML for transport.
>>
>The big problem with UDP is that there is no ACK. You do not have guaranteed
>packet delivery.

For position reports and other changing data, ack may not necessary.
Providing a guarenteed service is more costly than a mostly works service that
has certain graceful failures under load.

-----

gregg@cytetech.com (Cyte Technologies Inc)

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Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

---

533. [aprssig] Re: [Steve Dimse] [Steve Dimse] Re: APRS on 2.4 GHz??? groan..

From: Steve Dimse <k4hg@tapr.org>
Date: Fri, 27 Dec 2002 17:45:06 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: TAPR APRS Special Interest Group <aprssig@lists.tapr.org>
Message-ID: <LYR842-112656-2002.12.27-17.31.16--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

On 12/27/02 at 4:42 PM gregg@skymaster.cytetech.com (Gregg G. Wonderly) sent:

>For position reports and other changing data, ack may not necessary.
>Providing a guarenteed service is more costly than a mostly works service that
>has certain graceful failures under load.
>
Granted, but when you talk about public key encryption and XML, you are talking
about large increases in overhead, so why not a small bit more for guaranteed
delivery?

Steve K4HG

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---

534. [aprssig] Re: findU changes

From: "Charles H. Rahe, II" <crahe@infi.net>
Date: Fri, 27 Dec 2002 22:17:20 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: TAPR APRS Special Interest Group <aprssig@lists.tapr.org>
Message-ID: <LYR842-112662-2002.12.27-22.03.38--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

No Steve. Thanks to you for all your hard work!!! Enjoy your cruise.
Charlie, AI3L

Steve Dimse wrote:
> The backup server has taken up most of the load from the primary server for a
> few days, and I have heard no complaints. AFAIK, everything is working on the
> new server, the only difference will be with long term plots of telemetry,
> weather, and tracks, where the new server has not been up as long. If something
> is not working, now is the time to say something...the next week is extremely
> busy for me.
>
> The name server switch-over should happen in the next day or two, and then
> everything (other than email, which I will not be placing on the new box) will
> be handled by the backup server. I'll be taking the primary server offline on
> January second, doing some updates (doubling memory and disk capacity, and
> kernal and other software updates), and shipping it out on the third to its new
> home. I'll be on a cruise (a band cruise with Deanna Bogart, I've produced her
> last two albums) from the third through the sixth, and essentially unreachable.
>
> To ease the transition, everyone linking to my system or using the database
> should be using the name www.findu.com, not www1.findu.com, findu.com or an ip
> address, as these will fail soon. I'm still seeing a load of about 5% of the
> normal level on the primary server, this is from people not using the
> www.findu.com name. You have been warned!
>
> Once I'm back and the primary box is online at its new home and synced up, I'll
> be going to load sharing, where both servers take about half the traffic...the
> result is the system will be more responsive and less prone to failure.
>
> Thanks for your patience!
>
> Steve K4HG
>
> ---
> You are currently subscribed to aprssig as: crahe@infi.net
> To unsubscribe send a blank email to leave-aprssig-842K@lists.tapr.org
> Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

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>
>
```

```
---
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```

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535. [aprssig] pocketAPRS v1.93 Released

```
From: Mike Musick <mikemusick@earthlink.net>
Date: Fri, 27 Dec 2002 22:39:42 -0600
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-112664-2002.12.27-23.26.18--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain
```

```
pocketAPRS v1.93 has been uploaded to the TAPR server:

   ftp://ftp.tapr.org/aprssig/palmstuff/palmaprs/paprs193.zip

Changes this version from the previous public release, v1.90:

  - HandEra 330 support finished:
      All data and map screens maximized for use of full screen space;
      Soft Graffiti area automatically managed.
  - Maps on external cards memory error fixed.
      Maximum number of maps is now 50, with no crashing if maximum exceeded.
  - Data logging with export via serial port.
  - Map city labels don't overlap.
  - "Object Display" screen - "Label Limit" now works.

Fixed:

  - Minor cleanups for Palm OS 5.0 devices.
  - Further correction in KISS protocol support.
  - Crash on older devices if "station info" button tapped on map screen
      with no current station.
  - Crash when GPS overloads alert system with conflicting $GPGGA and
      $GPRMC status.
  - Erroneous "blank" values on popup menus, some of which resulted
      in bad beacon data.
  - Crash on color models of Sony CLIE when drawing icons.


Minor glitch for current users is that the coordinate units (DDMMSS
vs. DDMM.mm) will suddenly "swap" your preferences. Simply go back to
the settings screen and re-enter the setting. This is due to a change
in preparation for supporting UTM coordinates as an additional
selection.

I'm still working on changes for the web site; hopefully that will be
mostly updated by the time most of you read this.

   ...mike/N0QBF
--

------------------------------------------------------------------------
pocketAPRS - APRS for the Palm Connected Organizer

Website:     http://www.pocketaprs.com
FAQ:         http://www.pocketaprs.com/faq.html

Application: ftp://ftp.tapr.org//aprssig/palmstuff/palmaprs/pcktaprs.zip
Map Files:   ftp://ftp.tapr.org//aprssig/palmstuff/palmmaps/
------------------------------------------------------------------------

---
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Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org
```

---

536. [aprssig] Help ! KPC-3 Setup

```
From: "Robert Mitchell / KD4PBC" <aprs@kd4pbc.net>
Date: Sat, 28 Dec 2002 13:48:42 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-112728-2002.12.28-13.34.44--lyris.aprssig#tapr.org@lists.tapr.org>
```

Rendered body type: text/plain

Hi Guys and Happy Holidays,

I have a problem I travel a lot and my loved ones track me on APRS if I drop off the map for a time the panic. Does not help if I'm out of range on the cell phones.

Here is the problem:
I can't seem to get my mobile to report reliably setting at my house (the Johnson City, TN IGATE) it works fine. When I am away form the house it's about 10% received and put to findu.

This is the mobile setup:
Motorola 110 watt Mitrex
5/8 wave gain antenna
KPC 3+ with 8.3
Garmin GPS3+ hooked to the serial port on the KPC (not the extra port)

I have looked at several setups and have even set my unporto to aprs via relay, wide7-7 still did not help.

I did get one nice note from someone in Tucson, AZ when I was there last month. He was bitching about the beacon rate when I was still (3 min) and the 7-7 in the path. I wrote him back and explained all this and ask if he could be any help. I guess his gig was just to complain not offer any real advice.

Can anybody help ?

If this is not of general interest then please respond private.

Thanks in advance for any help

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537. [aprssig] RE: Help ! KPC-3 Setup

From: "Mark A. Foley" <na4v@cox.net>
Date: Sat, 28 Dec 2002 14:16:52 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-112733-2002.12.28-14.03.03--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Having Wide7-7 (although excessive) doesn't guarantee you will be inputted into the APRS IS system reliably. No matter how many wides you have setup in your unproto, if it doesn't get to an igate, you won't be seen via Findu/or others. If the conditions are just right and there are no collisions, having that monster path might get you into an igate a couple of states from you...but realistically it will "die on the vine" at some point. Where do you routinely travel? Although the APRS IS is very robust in a great many areas of the country, there are some big holes (especially in your area (Tennessee/Kentucky).

Having 110 watts should get you to Jupiter...have you checked to see if your TNC is properly calibrated? If the modulation level is out of whack and causing massive deviation, that could be adding to your problems....

Mark A. Foley, NA4V
www.na4v.com

-----Original Message-----
From: bounce-aprssig-27405@lists.tapr.org
[mailto:bounce-aprssig-27405@lists.tapr.org] On Behalf Of Robert Mitchell / KD4PBC
Sent: Saturday, December 28, 2002 1:49 PM
To: TAPR APRS Special Interest Group
Subject: [aprssig] Help ! KPC-3 Setup

Hi Guys and Happy Holidays,

I have a problem I travel a lot and my loved ones track me on APRS if I drop off the map for a time the panic. Does not help if I'm out of range on the cell phones.

Here is the problem:
I can't seem to get my mobile to report reliably setting at my house (the Johnson City, TN IGATE) it works fine. When I am away form the house it's about 10% received and put to findu.

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I have looked at several setups and have even set my unporto to aprs via relay, wide7-7 still did not help.

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538. [aprssig] RE: Help ! KPC-3 Setup

From: "Richard Sharp" <kq4kx@arrl.net>
Date: Sat, 28 Dec 2002 16:21:11 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-112745-2002.12.28-16.07.12--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Robert,

Have you set your KPC3 for high audio output? It has two settings one for low level and one for high level. Once the proper setting is selected you can use the CAL (calibrate) command for "fine" adjustment. The KPC3's are default to the low level from the factory.

The Motorola Mitrek will require a higher mic input level than the "typical" ham transceiver.

Based on you complaint I'm guessing you might be having too little deviation which results in poor packet decoding unless you are close enough to a digi/I-gate to be absolutely full quieting.

If this is the case, I would recommend increasing the audio output of the KPC3 rather than increasing the deviation level of the Mitrek - assuming the Mitrek is properly adjusted for 5kHz max deviation. The proper AFSK (audio frequency shift keying) deviation should be about 3kHz - certainly no more than 4kHz. Although, the mark tone will be higher deviation than the space. This is because of the pre-emphasis circuit in the transmitter. Once received the de-emphasis circuit in the receiver will (should) make the mark & space levels the same that are sent to the TNC for decoding.

Of course, you'll need a deviation meter (service monitor) to make the proper adjustments. However, you can use a volt meter and another (known) properly adjusted setup - but I won't get into all the details here.

Hope this helps.

Regards,

Richard
kq4kx

-----Original Message-----
From: bounce-aprssig-31387@lists.tapr.org
[mailto:bounce-aprssig-31387@lists.tapr.org]On Behalf Of Robert Mitchell
/ KD4PBC
Sent: Saturday, December 28, 2002 1:49 PM
To: TAPR APRS Special Interest Group
Subject: [aprssig] Help ! KPC-3 Setup

Hi Guys and Happy Holidays,

I have a problem I travel a lot and my loved ones track me on APRS if I drop off the map for a time the panic. Does not help if I'm out of range on the cell phones.

Here is the problem:
I can't seem to get my mobile to report reliably setting at my house (the Johnson City, TN IGATE) it works fine. When I am away form the house it's about 10% received and put to findu.

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KPC 3+ with 8.3
Garmin GPS3+ hooked to the serial port on the KPC (not the extra port)

I have looked at several setups and have even set my unporto to aprs via relay, wide7-7 still did not help.

I did get one nice note from someone in Tucson, AZ when I was there last month. He was bitching about the beacon rate when I was still (3 min) and the 7-7 in the path. I wrote him back and explained all this and ask if he could be any help. I guess his gig was just to complain not offer any real advice.

Can anybody help ?

If this is not of general interest then please respond private.

Thanks in advance for any help

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539. [aprssig] Re: [Steve Dimse] [Steve Dimse] [Steve Dimse] Re: APRS on 2.4 GHz??? groan..

From: "Gregg G. Wonderly" <gregg@skymaster.cytetech.com>
Date: Sat, 28 Dec 2002 16:38:31 -0600
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: TAPR APRS Special Interest Group <aprssig@lists.tapr.org>
Message-ID: <LYR842-112748-2002.12.28-17.24.29--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

>Granted, but when you talk about public key encryption and XML, you are
talking
>about large increases in overhead, so why not a small bit more for guaranteed
>delivery?

It's the two way exchange that I am specifically talking about. Anything in
size up to a single network buffer will not provide any appreciable change in
load on the receiving machine related to receiving data from the network. The
added user space work to process whatever more data may be an issue.

Validating signed data is not cheap, so you are write that there would be
overhead to process signed UDP packets.

-----
gregg@cytetech.com (Cyte Technologies Inc)

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540. [aprssig] RE: Help ! KPC-3 Setup

From: Neil Johnson <njohnsn@iowatelecom.net>
Date: Sat, 28 Dec 2002 17:29:46 -0600
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-112752-2002.12.28-18.15.55--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

On Saturday 28 December 2002 03:21 pm, Richard Sharp wrote:
> Robert,
>
> Based on you complaint I'm guessing you might be having too little
> deviation which results in poor packet decoding unless you are close
> enough to a digi/I-gate to be absolutely full quieting.

Check out John Ackerman's (N8UR) excellent description of packet deviation
issues at:

http://www.febo.com/packet/layer-one/

There's even info on the Mitrek !

Helped me a bunch.

Here's wishing someone would sell an inexpensive deviation meter.

--
Neil Johnson, N0SFH
http://www.iowatelecom.net/~njohnsn
http://www.njohnsn.com/
PGP key available on request.

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Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

541. [aprssig] D700 Programming

From: "Randy Schock" <rschock@midrivers.com>
Date: Sat, 28 Dec 2002 17:43:48 -0700
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-112757-2002.12.28-19.28.39--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

I am trying to find information on programming the D700 with XP. I am
running an HPzt1175 laptop with a Belkin USB to Serial adapter. I can run
aprs programs and they work fine but when trying to program the radio I get
a port timeout error. I am sure the problem is in the Kenwood software. Does
anyone know of a fix to this problem.
I can program the radio with my home computer running W2K and a laptop
running W98 so I know the cables work and that the radio is functioning
properly.

Thanks
Randy K7RNS

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Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

542. [aprssig] RE: D700 Programming

From: "Andrew Rich" <andrew.rich@bigpond.com>
Date: Sun, 29 Dec 2002 10:56:48 +1000
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-112760-2002.12.28-19.43.12--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Need to ask some ques

1. Do you have a handshaking problem ?
2 What handshaking are you running ?
3. Do you have any other programs using the com port at the same time ?

Where would I find programming commands for a D700 ?

Andrew

-----Original Message-----
From: bounce-aprssig-30130@lists.tapr.org
[mailto:bounce-aprssig-30130@lists.tapr.org]On Behalf Of Randy Schock
Sent: Sunday, 29 December 2002 10:44
To: TAPR APRS Special Interest Group
Subject: [aprssig] D700 Programming

I am trying to find information on programming the D700 with XP. I am running an HPzt1175 laptop with a Belkin USB to Serial adapter. I can run aprs programs and they work fine but when trying to program the radio I get a port timeout error. I am sure the problem is in the Kenwood software. Does anyone know of a fix to this problem.
I can program the radio with my home computer running W2K and a laptop running W98 so I know the cables work and that the radio is functioning properly.

Thanks
Randy K7RNS

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543. [aprssig] Re: Help ! KPC-3 Setup

From: "Dick Stanich" <dick@kb7zva.com>
Date: Sat, 28 Dec 2002 19:10:14
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-112761-2002.12.28-19.56.17--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

> This is the mobile setup:
> Motorola 110 watt Mitrex
> 5/8 wave gain antenna
> KPC 3+ with 8.3
> Garmin GPS3+ hooked to the serial port on the KPC (not the extra port)

Yikes! 110 watts is certainly impressive. Wonder if your antenna is toast yet? Could be your channel elements have drifted off frequency. I'd find someone with a service monitor and back down the Mitrek. A cool 40-50 watts might save the coil in your future antennas.

3.0 - 3.5 deviation should be plenty on the radio. The default xmitlvl on the TNC out of the box is 100. If you set your TNC's level to 25 and if the Mitrek is still loud... that should give you a clue.

The other issues RELAY,WIDE7-7... A lot of western states digi's don't use RELAY. Others (Eastern), don't use WIDEn-N. WIDE7-7 is a bad habit. I hear they shoot people down in Tucson for that <g>.

Seriously, study your Mitrek. At 110 watts small things get bad in a big way. On modern mobiles that radio can draw and overwhelm your electrical system.

Ah well...

Dick

Want to sell the Mitrek? Work great on Mountain top digis.
dick@kb7zva.com

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---

544. [aprssig] Modified Mitrex's [was: Help ! KPC-3 Setup]

From: "Ev Tupis (W2EV)" <w2ev@arrl.net>
Date: Sat, 28 Dec 2002 21:05:28 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-112762-2002.12.28-20.53.58--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Robert Mitchell / KD4PBC wrote:
> This is the mobile setup:
> Motorola 110 watt Mitrex
> 5/8 wave gain antenna
> KPC 3+ with 8.3
> Garmin GPS3+ hooked to the serial port on the KPC (not the extra port)

I need a source for pre-modified, 110-watt transceivers for use as packet transceivers on 147.585 MHz (the BEACONet frequency). I don't have the equipment to do it. Does anyone know of such a service offered by anyone? "Buck" Rogers no longer offers it.

Ev, W2EV

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Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

---

545. [aprssig] CQ So.Ontario Help

From: "Ev Tupis (W2EV)" <w2ev@arrl.net>
Date: Sat, 28 Dec 2002 21:21:35 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-112764-2002.12.28-21.10.08--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

I need the help of APRS-savvy amateurs in Southern Ontario Canada (near Lake Ontario). Please, tune-in 147.585 MHz and monitor for an hour. Then, please send me a direct message as to what you decode (if anything), it's signal strength, along with your 6-character grid locator.

I may ask that you do this again after a couple of weeks or so. Your help is deeply appreciated.

Kind regards,
Ev Tupis,W2EV
--
What's cool in Amateur Radio?
http://www.BEACONet.org or join the on-line community by
sending a blank eMail to: BEACONet-subscribe@yahoogroups.com

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Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

---

546. [aprssig] Re: Modified Mitrex's [was: Help ! KPC-3 Setup]

From: "Joe Della Barba" <joe@dellabarba.com>
Date: Sat, 28 Dec 2002 21:24:41 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-112765-2002.12.28-21.11.01--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

I have seen on Ebay Syntors offered with channels programmed, but they aren't that cheap.

Do we have any Syntor/Syntor X/Ge Delta-Rangr-Phoenix configuration
resources on the list?
73
Joe
----- Original Message -----
From: "Ev Tupis (W2EV)" <w2ev@arrl.net>
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Sent: Saturday, December 28, 2002 9:05 PM
Subject: [aprssig] Modified Mitrex's [was: Help ! KPC-3 Setup]

> Robert Mitchell / KD4PBC wrote:
> > This is the mobile setup:
> > Motorola 110 watt Mitrex
> > 5/8 wave gain antenna
> > KPC 3+ with 8.3
> > Garmin GPS3+ hooked to the serial port on the KPC (not the extra port)
>
> I need a source for pre-modified, 110-watt transceivers for use as packet
> transceivers on 147.585 MHz (the BEACONet frequency). I don't have the
> equipment to do it. Does anyone know of such a service offered by anyone?
> "Buck" Rogers no longer offers it.
>
> Ev, W2EV
>
>
> ---
> You are currently subscribed to aprssig as: joe@dellabarba.com
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>
>

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---

547. [aprssig] Re: Help ! KPC-3 Setup

From: "Robert Mitchell / KD4PBC" <aprs@kd4pbc.net>
Date: Sat, 28 Dec 2002 21:39:35 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-112766-2002.12.28-21.25.32--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

I have gotten a lot of check the radio, deviation, antenna, ect....
Here is the response I have been sending to the people trying to help
(Thanks)
But I think that I have something set up wrong in the TNC.
I'll bring it in over the weekend and print the configuration and maybe
I could find someone to look at it for me.

Thanks again for all the help

73

Robert / KD4PBC

Thanks yes the levels are dead on the money as is the freq. There is a
little "twist" in that the lo tone in about 3 kHz and the hi tone is
about 3.8 KHz. No distortion though good clean sine waves.

Do you have a sample setup in of the TNC that you can send me ? I will
check it against mine and reconfigure if needed.

Thanks again,
Robert Mitchell / KD4PBC
927.500 100.0 Hz Johnson City, TN
443.150 100.0 Hz Johnson City, TN

-----Original Message-----
From: bounce-aprssig-27156@lists.tapr.org
[mailto:bounce-aprssig-27156@lists.tapr.org] On Behalf Of Dick Stanich
Sent: Saturday, December 28, 2002 7:10 PM
To: TAPR APRS Special Interest Group
Subject: [aprssig] Re: Help ! KPC-3 Setup

> This is the mobile setup:
> Motorola 110 watt Mitrex
> 5/8 wave gain antenna
> KPC 3+ with 8.3
> Garmin GPS3+ hooked to the serial port on the KPC (not the extra port)

Yikes! 110 watts is certainly impressive. Wonder if your antenna is toast yet? Could be your channel elements have drifted off frequency. I'd find

someone with a service monitor and back down the Mitrek. A cool 40-50 watts might save the coil in your future antennas.

3.0 - 3.5 deviation should be plenty on the radio. The default xmitlvl on the TNC out of the box is 100. If you set your TNC's level to 25 and if the Mitrek is still loud... that should give you a clue.

The other issues RELAY,WIDE7-7... A lot of western states digi's don't use RELAY. Others (Eastern), don't use WIDEn-N. WIDE7-7 is a bad habit. I hear they shoot people down in Tucson for that <g>.

Seriously, study your Mitrek. At 110 watts small things get bad in a big

way. On modern mobiles that radio can draw and overwhelm your electrical

system.

Ah well...

Dick

Want to sell the Mitrek? Work great on Mountain top digis.
dick@kb7zva.com

---
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Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

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Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

548. [aprssig] Re: Help ! KPC-3 Setup

From: "Ronald Reams" <wa4mjf@worldnet.att.net>
Date: Sat, 28 Dec 2002 22:07:42 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-112767-2002.12.28-21.54.36--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Over the years, I've run 110 watt Motorolas and GEs on
2 meters with no ill effects to the coils of ASP, MaxRad,
nor Larsen antennae.

The coils are built to handle it!

HAPPY HOLIDAZE!

73 de Ronnie

----- Original Message -----
From: "Dick Stanich" <dick@kb7zva.com>
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Sent: Saturday, December 28, 2002 19:10
Subject: [aprssig] Re: Help ! KPC-3 Setup

> This is the mobile setup:
> Motorola 110 watt Mitrex

> 5/8 wave gain antenna
> KPC 3+ with 8.3
> Garmin GPS3+ hooked to the serial port on the KPC (not the extra port)

Yikes! 110 watts is certainly impressive. Wonder if your antenna is toast yet? Could be your channel elements have drifted off frequency. I'd find someone with a service monitor and back down the Mitrek. A cool 40-50 watts might save the coil in your future antennas.

3.0 - 3.5 deviation should be plenty on the radio. The default xmitlvl on the TNC out of the box is 100. If you set your TNC's level to 25 and if the Mitrek is still loud... that should give you a clue.

The other issues RELAY,WIDE7-7... A lot of western states digi's don't use RELAY. Others (Eastern), don't use WIDEn-N. WIDE7-7 is a bad habit. I hear they shoot people down in Tucson for that <g>.

Seriously, study your Mitrek. At 110 watts small things get bad in a big way. On modern mobiles that radio can draw and overwhelm your electrical system.

Ah well...

Dick

Want to sell the Mitrek? Work great on Mountain top digis.
dick@kb7zva.com

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549. [aprssig] ** UPDATE ALERT *** - pocketAPRS v1.94

From: Mike Musick <mikemusick@earthlink.net>
Date: Sat, 28 Dec 2002 21:08:01 -0600
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-112770-2002.12.28-21.56.24--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

A big "Thanks!" to James, K9APR, for so quickly picking up on a serious GPS logic bug in yesterday's pocketAPRS release.

It is now fixed (I hope), and pocketAPRS v1.94 has just been uploaded to the TAPR server:

ftp://ftp.tapr.org/aprssig/palmstuff/palmaprs/paprs194.zip

In further testing today I uncovered a couple of minor cosmetic bugs in the HandEra 330 revisions. They should not interfere with normal operation and will be corrected in the next release.

...mike/N0QBF
--

```
----------------------------------------------------------------------
pocketAPRS - APRS for the Palm Connected Organizer

Website:     http://www.pocketaprs.com
FAQ:         http://www.pocketaprs.com/faq.html

Application: ftp://ftp.tapr.org//aprssig/palmstuff/palmaprs/pcktaprs.zip
Map Files:   ftp://ftp.tapr.org//aprssig/palmstuff/palmmaps/
----------------------------------------------------------------------
```

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550. [aprssig] Re: Modified Mitrex's [was: Help ! KPC-3 Setup]

From: "Ronald Reams" <wa4mjf@worldnet.att.net>
Date: Sat, 28 Dec 2002 22:10:53 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-112771-2002.12.28-21.57.50--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Any two way shop for the brand of radio
that you have can handle it for about
an hour's labor, if nothin' wrong, other than bustin'
prom and tunin'

HAPPY HOLIDAZE!

73 de Ronnie

----- Original Message -----
From: "Ev Tupis (W2EV)" <w2ev@arrl.net>
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Sent: Saturday, December 28, 2002 21:05
Subject: [aprssig] Modified Mitrex's [was: Help ! KPC-3 Setup]

Robert Mitchell / KD4PBC wrote:
> This is the mobile setup:
> Motorola 110 watt Mitrex
> 5/8 wave gain antenna
> KPC 3+ with 8.3
> Garmin GPS3+ hooked to the serial port on the KPC (not the extra port)

I need a source for pre-modified, 110-watt transceivers for use as packet
transceivers on 147.585 MHz (the BEACONet frequency). I don't have the
equipment to do it. Does anyone know of such a service offered by anyone?
"Buck" Rogers no longer offers it.

Ev, W2EV

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551. [aprssig] Re: Modified Mitrex's [was: Help ! KPC-3 Setup]

From: "Ronald Reams" <wa4mjf@worldnet.att.net>
Date: Sat, 28 Dec 2002 22:26:04 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-112772-2002.12.28-22.13.15--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Well, I just use a cut off control cable about 2 feet long.

Have the shop ID the PTT, Audio Hi, Audio Lo, Mic Hi, Mike
Lo and Gnd. Attach these to a cable of sufficient length to
reach your TNC with the right connector for your
TNC on the other end. Just clip off the othe wires that you
don't need which will vary by the control cable that you use.

The Power leads should be big and obvious Red 13.8 VDC +
and Black the ground

73 de Ronnei

----- Original Message -----
From: "Ev Tupis (W2EV)" <w2ev@arrl.net>
To: "Ronald Reams" <wa4mjf@worldnet.att.net>
Sent: Saturday, December 28, 2002 22:19
Subject: Re: [aprssig] Modified Mitrex's [was: Help ! KPC-3 Setup]

Thanks Ronnie,
Maybe I've simply been overlooking the obvious. As I go looking for
Mitrex's,
what must I have? Can you give me some insights there? I hear about
"control
heads" and the like. What *must* I have to use these things as packet
transceivers? Can these shops also provide outputs to a common connector
(with
audio in/out and PTT)?

My appologies for my green-horn vision. All I know is that I need 100-Watt transceivers.

Thanks for any insights you can offer.

Warmly,
Ev

Ronald Reams wrote:
>
> Any two way shop for the brand of radio
> that you have can handle it for about
> an hour's labor, if nothin' wrong, other than bustin'
> prom and tunin'
>
> HAPPY HOLIDAZE!
>
> 73 de Ronnie
>

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---

552. [aprssig] Re: Modified Mitrex's [was: Help ! KPC-3 Setup]

From: Rich Osman <Rich@osman.com>
Date: Sat, 28 Dec 2002 21:40:49 -0600
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: TAPR APRS Special Interest Group <aprssig@lists.tapr.org>
Message-ID: <LYR842-112775-2002.12.28-22.26.42--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

I can generate a set of Syntor, SyntorX, and MCX-100 prom images. Anyone with a programmer can program the parts. The MCX-100 and Syntor use an 82S123, rapidly becoming unobtanium. The Syntor X uses a 2816 EEPROM.

Brinkley Electronics builds a board that will let you plug a 2816 in the channel socket of an MCX 100. I presume it will work in a Syntor.

http://www.brinkleyelectronics.com/prog/mot/mcx/mab.htm

I'm working up an image for my MCX-100s that has:

Ch1	144.39
Ch2	144.99
Ch3	145.01
Ch4	145.03
Ch5	145.05
Ch6	145.07
Ch7	145.09
Ch8	146.52
Ch9	146.46

Ch17-26 are the same as 1-9, but with low side RX injection. This is needed for the rare radios that are in the low (136-150.8) band split.

Phoenixes are pretty easy to program according to my friends (I haven't done it.) I don't know about Deltas or Rangrs

Joe Della Barba wrote:

>I have seen on Ebay Syntors offered with channels programmed, but they
>aren't that cheap.
>Do we have any Syntor/Syntor X/Ge Delta-Rangr-Phoenix configuration
>resources on the list?
>73
>Joe

--
mailto:Rich@Osman.com http://www.rich.osman.com
Rich Osman; POB 93167; Southlake, TX 76092 (Near DFW Airport) ARS: N1OZ

If you receive something that says "Send this to everyone you know,"
PLEASE pretend you don't know me.

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553. [aprssig] Re: Modified Mitrex's [was: Help ! KPC-3 Setup]

From: Mark Cheavens <mcheavens@usa.net>
Date: Sat, 28 Dec 2002 21:47:54 -0600
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-112776-2002.12.28-22.33.34--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Delta's and Phoenix's galore!

I have built lots of them as trackers and digis.

Mark Cheavens
KC5EVE
At 09:24 PM 12/28/2002 -0500, Joe Della Barba wrote:
>I have seen on Ebay Syntors offered with channels programmed, but they
>aren't that cheap.
>Do we have any Syntor/Syntor X/Ge Delta-Rangr-Phoenix configuration
>resources on the list?
>73
>Joe
>----- Original Message -----
>From: "Ev Tupis (W2EV)" <w2ev@arrl.net>
>To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
>Sent: Saturday, December 28, 2002 9:05 PM
>Subject: [aprssig] Modified Mitrex's [was: Help ! KPC-3 Setup]
>
>
> > Robert Mitchell / KD4PBC wrote:
> > > This is the mobile setup:
> > > Motorola 110 watt Mitrex
> > > 5/8 wave gain antenna
> > > KPC 3+ with 8.3
> > > Garmin GPS3+ hooked to the serial port on the KPC (not the extra port)
> >
> > I need a source for pre-modified, 110-watt transceivers for use as packet
> > transceivers on 147.585 MHz (the BEACONet frequency). I don't have the
> > equipment to do it. Does anyone know of such a service offered by anyone?
> > "Buck" Rogers no longer offers it.
> >
> > Ev, W2EV
> >
> >
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> > Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org
> >
> >
>
>
>---
>You are currently subscribed to aprssig as: mcheavens@usa.net
>To unsubscribe send a blank email to leave-aprssig-842K@lists.tapr.org
>Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

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554. [aprssig] APRS/voice radio

From: "Joe Della Barba" <joe@dellabarba.com>
Date: Sun, 29 Dec 2002 08:50:26 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-112806-2002.12.29-08.36.46--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

If you were buying a new radio, would you pick the FT-2600M, the FT-1500M,
the ICOM 2100H, or the IC-V8000?
I a m alittle puzzled as to why the FT-2600M is the cheapest of the whole

bunch, but seems to be around the best by reading the specs.
73
Joe N3HGB

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Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

555. [aprssig] GE Phoenix + 6 meter question

From: "Joe Della Barba" <joe@dellabarba.com>
Date: Sun, 29 Dec 2002 08:53:00 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-112810-2002.12.29-08.39.46--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Is there anything else to getting the GE Phoenix on 144.39 besides the
PROM, which seems available on the list?
Seems a like a good cheap tracker to me.
73
Joe N3HGB
ps - I picked up a scannere the other day. Is there any 6 meter APRS
activity to monitor?

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556. [aprssig] Re: GE Phoenix + 6 meter question

From: "Ronald Reams" <wa4mjf@worldnet.att.net>
Date: Sun, 29 Dec 2002 09:26:39 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-112813-2002.12.29-09.13.30--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Alignment of the rec and xmit for opn
on 144.39 MHz.

HAPPY HOLIDAZE!

73 de Ronnie

----- Original Message -----
From: "Joe Della Barba" <joe@dellabarba.com>
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Sent: Sunday, December 29, 2002 08:53
Subject: [aprssig] GE Phoenix + 6 meter question

Is there anything else to getting the GE Phoenix on 144.39 besides the
PROM, which seems available on the list?
Seems a like a good cheap tracker to me.
73
Joe N3HGB
ps - I picked up a scannere the other day. Is there any 6 meter APRS
activity to monitor?

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557. [aprssig] Afilter problems

From: John Kraus <jfkraus2@cox.net>
Date: Sun, 29 Dec 2002 09:41:07 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-112818-2002.12.29-09.27.18--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

I am running AFilter in front of UIview. The past two mornings I have
found the program disconnected despite the reconnect and rotate boxes being

checked. On exiting the program I get a error message as follows:

Exception EInvalid Pointer in module AFilter.exe At 000608848 Invalid pointer

I am running an AMD-K6 500 320mb RAM 80 GB HD

Software is:
Win98se.
Afilter 2.73
UIView 1.86

I am not having any other problems. I have run Memtest86 for 24 hours with no errors from memory so I doubt it is an issue. I did get and "error in ini file" on one start put it never reappeared. I tried deleting the directory and reinstalling and problem came back. The system has undergone a full system virus scan with current definitions since the problem appeared and was clean.

My questions:

Is afilter273.zip the latest package?
Where is the main webpage for the AFilter package?
Are there any known issues with this package?

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Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

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558. [aprssig] Re: Tiny Web Pages

From: Henk de Groot <henk.de.groot@hetnet.nl>
Date: Sun, 29 Dec 2002 15:44:24 +0100
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-112819-2002.12.29-09.31.27--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

At 17:55 26-12-02 +0000, Bud Talbot wrote:
>More fun with UIView- I loaded in the tiny web pages server add on from
>PD0RHM. It works by referencing an overlay file upon query. Just to play, I

Note that there is also a plugin called "Infokiosk" that does something similar. Besides that its also standard functionality of the DIGI_NED digipeater.

Speaking of DIGI_NED, I'm currently preparing a single bootable floppy with the digi software and a configuration program to make initial setup extreemly easy. I'm currently testing a change to the driver so even a TH-D7 can be used as digipeater! That way all you need is a PC, cable and TH-D7 to setup an light weight full-featured battery operated emergency/special-event digi.

That was a side step, to the subject of tiny web pages; make sure there is some initial information about it on air and some way to find out all the commands that it knows, otherwise nobody can use it. The way I did it in the sample file of DIGI_NED is by having a default response saying "Use "Help" for topics". So just sending some random query gets you on the right track. "?Help" then points to ?H1, ?H2, ?H3 etc to split the help up because all the Help does not fit on one line. I have a command ?List which lists all the possible queries. Anyway, make it so that you do not need any knowledge at forehand except how to send messages in general.

Kind regards,

Henk.

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559. [aprssig] Re: Modified Mitrex's [was: Help ! KPC-3 Setup]

From: "Chris Rose" <kb8uih@arrl.net>
Date: Sun, 29 Dec 2002 10:21:36 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-112834-2002.12.29-10.07.37--lyris.aprssig#tapr.org@lists.tapr.org>

Rendered body type: text/plain

```
Would Robert Mitchell / KD4PBC send me a note with more information about
the setup for all of the system?  I was trying to read his notes last night
and my computer crashed.  I had to disconnect the cat 5 link to the network
to allow the computer to function normally again.  I hate to assume, but I
may have been a victim of a bug.  Anyone else have any problems?

Thanks all,
Chris
KB8UIH

----- Original Message ----- > >----- Original Message -----
> >From: "Ev Tupis (W2EV)" <w2ev@arrl.net>
> >To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
> >Sent: Saturday, December 28, 2002 9:05 PM
> >Subject: [aprssig] Modified Mitrex's [was: Help ! KPC-3 Setup]
> >
> >
> > > Robert Mitchell / KD4PBC wrote:
> > > > This is the mobile setup:
> > > > Motorola 110 watt Mitrex
> > > > 5/8 wave gain antenna
> > > > KPC 3+ with 8.3
> > > > Garmin GPS3+ hooked to the serial port on the KPC (not the extra
port)
> > > >




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```

560. [aprssig] 6-meter info [was: GE Phoenix + 6 meter question]

From: "Ev Tupis (W2EV)" <w2ev@arrl.net>
Date: Sun, 29 Dec 2002 10:45:33 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-112837-2002.12.29-10.34.52--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

```
> ps - I picked up a scannere the other day. Is there any 6 meter APRS
> activity to monitor?

Hi Joe,
While I am certain that there is no 6 meter APRS activity anywhere in the known
universe (APRS doesn't work well 'split frequency'), I can tell you that there
is not only scattered BEACONet activity on 53.530 east of the Mississippi, but
that there is about to be a *huge*push* to expand it.  Here's the deal:

0. Other than general questions (like the one you asked) I won't spend alot
   of time discussing BEACONet on this list (see next point).  If you are
   interested, join the BEACONet list by sending a blank e.mail to:
   mailto:BEACONet-subscribe@yahoogroups.com.
1. BEACONet is not APRS, but it uses the same software (UI-View, exclusively)
   o With a hearty pat on the back to Bob, Steve and the APRS authors for
     establishing the first UI-Frame packet service on which BEACONet was also
     based (and would not have been conceived had it not been for my ability
     to stand on the "shoulders of giants"), the mission of the two services
     is entirely different so their infrastructure requirements are different.
     They are incompatible, philisophically; while technically, they are
     "brothers"
2. BEACONet.25 (for Propagation Tracking) lives on 53.530 MHz FM, using 1200
   baud AX.25.
3. There are presently a half-dozen or so 24/7/365 stations scattered around
   east of the Mississippi waiting to tell observers when the band opens.
4. There is about to be a major push to establish more stations in time for
   them to be ready to rumble by the spring Es propagation season.
5. We are within 30-days of having our own Internet data server established
   (quite seperate from the APRS IStream).  It will be called "LIVExchange"
   and will hopefully be the foundation on which we will be able to know
   who is active, even if the band isn't open.  It will be built on Bill's
   AHub product.
5a.This will have the potential of linking all AX.25 BEACONet activity, on
   10-meters (28.128 USB @ 1200 baud), 6-meters (53.530 FM @ 1200 baud) and
   2-meters (147.585 FM @ 1200 baud) to a common Internet-based resource for
   RF to Inet traffic (while *not* going back to RF...that would potentially
   poison the waters for propagation research).
```

5b.Additionally, the BEACONet protocol includes the ability to identify the band from which a signal originated making a single LIVExchange server a good resource.

Anyway...I'm sure this is more information than you needed to know, spawned from such a simple question <smile>. If you are looking for a 6-meter frequency to monitor, try 53.530 MHz. If you would like a .jpg map of the locations of known participants on that frequency, I can send it to you off-list. The map also includes locations of 10-meter AX.25 participants in the USA.

Warm regards,
Ev Tupis, W2EV
--
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561. [aprssig] Programming and Commercial Gear WAS: Modified Mitrex's

From: "Rich Garcia" <k4gps@bellsouth.net>
Date: Sun, 29 Dec 2002 11:02:26 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-112841-2002.12.29-10.46.07--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

And the Delta/Rangr/Phoenix is somewhat easy to program. Mark did not do a plug but I will do a plug for him, he sells circuit boards and built programmers for these radios. If you don't have the time to build then check here.

http://www.cheavens.com/mark/radio/

For those of you who have not used commercial gear before this is what to look at at hamfests and e-bay, they are somewhat inexpensive well built and easy to program.

GE: MLSII (Not MLSI's) these are PC programable the MLSI's need the GE Suitcase
GE Delta/Rangr/Phoenix these use a flip flop and the parallel port to program see link above
MVS Need a TTL to RS-232 interface (Max232chip) and a PC

Motorola: M10,M120,Maxtrac,MCX-1000,GM300 SM-50 or SM-120 All need a Rib Box ($80-120) and software but are good
Syntor, Syntor-X, MCX-100 Need to burn a prom and some shareware off the net, Syntor's need a cheap prom adaptor.

Syntor X-9000 Expensive, need a RIB and special ham software and not very sensitive in ham bands. Lots of channels and a good voice radio but overkill for APRS. Very good front end and the reason it is not very sensitive in the ham bands, it just does not pull in quite that far.

AS far as cost and ease of ham use I would suggest any of the GE's. If you have a little extra cash the Motorola's are good and much easier to find parts for since they are a bit more recent. Radios mentioned will be in the $25-$100 range for GE and $120-$300 range for the Motorola's.

This has been part of a long discussion on the list for many years. Ham equipment does not have a place at commercial tower sites except in some limited cases. #1 the wide front ends will give you problems at multiple high power transmitter sites.#2 Ham gear does not make for a good neighbor unless good filtering is used and that will crank up the price for the site radio. Go with a commercial radio your performance will be much better, you will appear much more professional to those co-located and you will run much less of a risk of interfering. If you are a guest guess who will be booted off ? And it does not make a good impression later on when someone else wants to get on that site or another one that may be owned by the same company.

Actually the cleanest transmitter is a crystal unit. If it is going to be a digi site I would suggest a Mitrek, MastrII, Mocom, or Master ExecII. All can be found for less than $50 (usually $25) a pair of good crystals from West Crystal in B.C would be $22 or a pair from International for about $60 and you are done. A little more work to get on the air but these are almost set and forget radios, real tanks!

Rich K4GPS

-----Original Message-----
From: bounce-aprssig-19959@lists.tapr.org
[mailto:bounce-aprssig-19959@lists.tapr.org]On Behalf Of Mark Cheavens
Sent: Saturday, December 28, 2002 10:48 PM
To: TAPR APRS Special Interest Group
Subject: [aprssig] Re: Modified Mitrex's [was: Help ! KPC-3 Setup]

Delta's and Phoenix's galore!

I have built lots of them as trackers and digis.

Mark Cheavens
KC5EVE
At 09:24 PM 12/28/2002 -0500, Joe Della Barba wrote:
>I have seen on Ebay Syntors offered with channels programmed, but they
>aren't that cheap.
>Do we have any Syntor/Syntor X/Ge Delta-Rangr-Phoenix configuration
>resources on the list?
>73
>Joe
>----- Original Message -----
>From: "Ev Tupis (W2EV)" <w2ev@arrl.net>
>To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
>Sent: Saturday, December 28, 2002 9:05 PM
>Subject: [aprssig] Modified Mitrex's [was: Help ! KPC-3 Setup]
>
>
> > Robert Mitchell / KD4PBC wrote:
> > > This is the mobile setup:
> > > Motorola 110 watt Mitrex
> > > 5/8 wave gain antenna
> > > KPC 3+ with 8.3
> > > Garmin GPS3+ hooked to the serial port on the KPC (not the extra port)
> >
> > I need a source for pre-modified, 110-watt transceivers for use as
packet
> > transceivers on 147.585 MHz (the BEACONet frequency). I don't have the
> > equipment to do it. Does anyone know of such a service offered by
anyone?
> > "Buck" Rogers no longer offers it.
> >
> > Ev, W2EV
> >
> >
> > ---
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> > Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org
> >
> >
>
>
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562. [aprssig] need C source code to access findu db

From: Rich Parry <rparry@actionware.sdcoxmail.com>
Date: Sun, 29 Dec 2002 08:11:20 -0800
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-112842-2002.12.29-10.57.19--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

I am looking for C source code to access the mySQL findu database. The code should connect to the mySQL findu db, login, and extract APRS position information based upon the callsign. I have done this with perl, but need C.

Rich, W9IF

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---

563. [aprssig] Re: APRS/voice radio

From: "Ev Tupis (W2EV)" <w2ev@arrl.net>
Date: Sun, 29 Dec 2002 11:12:28 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-112843-2002.12.29-11.02.03--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Joe Della Barba wrote:

> If you were buying a new radio, would you pick the FT-2600M, the FT-1500M,
> the ICOM 2100H, or the IC-V8000?
> I a m alittle puzzled as to why the FT-2600M is the cheapest of the whole
> bunch, but seems to be around the best by reading the specs.

Fascinating that you ask this question, Joe. I just did a comparison (yet another project that I'm working on) of these transceivers (with the exception of the IC-2100H). In a nutshell, this is what I can tell you from what was important to my project (based on my previous email...you probably know what it is <smile>).

	1500m	2600m	8000
Power Levels	50/25/10/5	60/25/10/5	75/25/20/5
Data-jack for TNC connection	Yes	Yes	No
Transmit Time-out Timer	Yes	Yes	Yes
unique feature:	small footprint	perfect size to co-mount TNC inside mobile bracket w/ the xcvr	highest power commercially made mobile xcvr -and- TNC co-mount inside mob. bracket

In a new initiative called BEACONet.25 (for VHF Contests) it is important for Rover stations to use the highest power possible in order to be heard (simplex) by other BEACONet.25 stations on 2-meters. It is equally important that their BEACONet.25 transceivers be usable to make simplex FM contacts easily. This means that it is important to have a data-jack and high power. The transceiver that bubbles to the top is the FT-2600m for this particular application.

On the other hand... BEACONet.25 (for Propagation Study) relies on a network of high-power stand-alone digipeaters at altitude. For this purpose, the IC-V8000 appears to be the transceiver of choice.

Your needs may be quite different, and results may vary based on that. I hope this helped, though.

Kind regards,
Ev Tupis, W2EV
--
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sending a blank eMail to: BEACONet-subscribe@yahoogroups.com

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564. [aprssig] Re: 6-meter info [was: GE Phoenix + 6 meter question]

From: "Joe Della Barba" <joe@dellabarba.com>
Date: Sun, 29 Dec 2002 11:10:38 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-112844-2002.12.29-11.03.45--lyris.aprssig#tapr.org@lists.tapr.org>
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Thanks for that!
I just put 53.530 in the scanner and I will see what I get.
73
Joe

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565. [aprssig] GE MVP

From: kd4ydc@juno.com
Date: Sun, 29 Dec 2002 16:24:53 GMT
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-112846-2002.12.29-11.11.32--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

I see everyone talking about the Deltas, Mitrexs, etc. What about the GE MVP's? What mods need to be done on this to make it work on packet? Does the tx and rx crystal needs to be the same? (I guess that is a stupid question) I would also presume that the above question would take care of itself the the relay. GE's seem to be REAL easy to work on.
73,
Robert

____
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---

566. [aprssig] Re: APRS/voice radio

From: "Don" <kyham@alltel.net>
Date: Sun, 29 Dec 2002 11:32:42 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-112847-2002.12.29-11.17.54--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

I have both the FT-1500 and FT-2600 running APRS. 1500 in the car 2600 as a DIGI. Both are working solid and great prices. The 1500 is really a rugged built unit. Only thing I don't like about them is no squelch control. Done using a menu. Really hate those types but for APRS it does work OK. I just like to have a little control but since I never have to adjust the units, it isn't bad. I have the 1500 in the trunk with a TTII going direct to the mike jack. Have the volume turned all the way down so don't even hear or remember it is on. I do get a little overload for the 2m VOICE unit if I don't have the PL turned on. Can't do much about it. Antennas are about 3' apart. Only so much space for antennas on the trunk.

Don K9SOA (EM77EX)
HF-2m-70cm-APRS
www.k9soa.net

Home of JEANNIE
The House That Listens
As seen on HGTV's Dream Builder Show
and the Featured Home of the Month
Home Automation magazine
March 2002 issue

----- Original Message -----
From: Joe Della Barba <joe@dellabarba.com>
To: TAPR APRS Special Interest Group <aprssig@lists.tapr.org>

Sent: Sunday, December 29, 2002 8:50 AM
Subject: [aprssig] APRS/voice radio

> If you were buying a new radio, would you pick the FT-2600M, the FT-1500M,
> the ICOM 2100H, or the IC-V8000?
> I a m alittle puzzled as to why the FT-2600M is the cheapest of the whole
> bunch, but seems to be around the best by reading the specs.
> 73
> Joe N3HGB
>
>
> ---
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567. [aprssig] Re: GE MVP

From: Robert Donnell <kd7nm@pugetsound.net>
Date: Sun, 29 Dec 2002 08:59:31 -0800
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-112859-2002.12.29-11.45.36--lyris.aprssig#tapr.org@lists.tapr.org>
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MVP's work very well for packet operations. They can also be modified pretty easily for 9600 baud operation, should that become desirable in your situation. The relay used in the MVP's is mercury-wetted (and hence sealed) , so not very prone to wear and tear. They also switch quite fast at about 3.5 mS and have no noticeable bounce. The radio employs time delays in the TX and RX voltage control/regulator, about 70 mS on transmit, and 7 mS on receive. It turns out that removing the RX delay capacitor and using it to replace the TX delay capacitor will change the TX delay to 7 mS and the RX delay to equal that of the T/R switching relay - about 3.5 mS. Some radios with relays are slow - the MVP need not be among them! My favorite way of connecting to the MVP is by way of the power/accessory connector. On all the radios I've seen, the Molex connector has room for additional pins, and these can be used for making connections to the appropriate points in the radio. Done this way, you don't need to have the mike plug installed. You can also modify the squelch board to use the front panel Monitor switch to have the following modes:

1) Squelch forced closed - will not emit noise from the speaker
2) Squelch Normal
3) Squelch Open - on the spring-return position - so when you let go of the switch, it returns to normal operation.

If you've got a TNC that has True DCD operation (will operate with the squelch open), tapping into the radio's receive audio circuits before the squelch audio switch will provide an audio level that's been quite compatible with all of the TNC's I've tried it with. So with the Monitor switch modification, you can set the radio so that the only noise it makes is when the T/R relay operates.

Hope that helps!

73,

Bob, KD7NM

At 04:24 PM 12/29/2002 +0000, kd4ydc@juno.com wrote:
>I see everyone talking about the Deltas, Mitrexs, etc. What about the GE
>MVP's? What mods need to be done on this to make it work on
>packet? Does the tx and rx crystal needs to be the same? (I guess that is
>a stupid question) I would also presume that the above question would
>take care of itself the the relay. GE's seem to be REAL easy to work on.
>73,
>Robert

```
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```

---

568. [aprssig] Re: looking for C source code to access mySQL aprsworld database

```
From: James Jefferson <jjeffers@aprsworld.net>
Date: Sun, 29 Dec 2002 10:59:32 -0600
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: aprssig@lists.tapr.org
Message-ID: <LYR842-112860-2002.12.29-11.45.55--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain
```

```
Rich,

Included is a program to retrieve the last position information for a station
from db.aprsworld.net. Compile with something like:

gcc -ggdb -o last -lm  -L'/usr/lib/mysql' -lmysqlclient -lnsl last.c

You should be able to easily modify this for findu.com if you wanted to.

-Jim KB0THN
kb0thn@aprsworld.net

#include <stdio.h>

#include <mysql.h>

/* Mysql stuff */
MYSQL_RES *result;
MYSQL_ROW row;
MYSQL mysql;


void print_lastposition (char *source) {
        char sql[256];
        int i;

        snprintf(sql,256,"SELECT
source,packet_date,latitude,longitude,course,speed,altitude,status FROM
lastposition WHERE source LIKE '%s'",source);
        mysql_query(&mysql,sql);
        result = mysql_use_result(&mysql);

        while ( row = mysql_fetch_row(result) ) {
                for ( i=0 ; i<8 ; i++ ) {
                        printf("%s ",row[i]);
                }
                printf("\n");
        }
}

int main(int argc, char **argv) {

        if ( argc != 2 ) {
                printf("usage: %s callsign\n",argv[0]);
                return -1;
        }

         mysql_init(&mysql);

        if (!mysql_connect(&mysql,"db.aprsworld.net","guest","")) {
                printf("Failed to connect to database: Error: %s\n",mysql_error(&mysql));
                return -2;
        }

        if (mysql_select_db(&mysql,"aprs")) {
                printf("Failed to select database: Error: %s\n",mysql_error(&mysql));
                mysql_close(&mysql);
                return -3;
        }

        print_lastposition(argv[1]);

        mysql_close(&mysql);
        return 0;
}
```

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---

569. [aprssig] Help with UI-FLOOD (WIDEn-N) and MYALIAS (RELAY)

From: "Ev Tupis (W2EV)" <w2ev@arrl.net>
Date: Sun, 29 Dec 2002 12:23:26 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-112861-2002.12.29-12.12.37--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Is UI-FLOOD the same command across all TNC manufacturers (Kantronics, Pacomm, MFJ, etc.) or does each one invoke it differently? I'd like to know the manual command to invoke WIDEn-N,NOID digipeating in each.

Ditto RELAY digipeating. Is it all centered around setting MYALIAS to "RELAY"?

Can anyone offer any insights, please?

Ev, W2EV

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---

570. [aprssig] RE: Afilter problems

From: "Bob Powers" <powersb@opencominc.com>
Date: Sun, 29 Dec 2002 12:47:21 -0600
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-112876-2002.12.29-13.33.28--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

-----Original Message-----
From: bounce-aprssig-15929@lists.tapr.org
[mailto:bounce-aprssig-15929@lists.tapr.org] On Behalf Of John Kraus
Sent: Sunday, December 29, 2002 8:41 AM
To: TAPR APRS Special Interest Group
Subject: [aprssig] Afilter problems

I am running AFilter in front of UIview. The past two mornings I have found the program disconnected despite the reconnect and rotate boxes being checked. On exiting the program I get a error message as follows:

Exception EInvalid Pointer in module AFilter.exe At 000608848 Invalid pointer

I am running an AMD-K6 500 320mb RAM 80 GB HD

I'm running Afilter 2.7.5.2, and have been getting "Invalid Pointer" windows popping up also. This is the first version of Afliter I have ever run so I don't have any history for previous versions.

Afilter does not "crash" though and seems to continue on, doing what it's supposed to. Running this on Windows XP Pro.

Bob Powers
NØYKX
n0ykx@arrl.net

See where I'm at: http://map.findu.com/n0ykx-7

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---

571. [aprssig] Weather Station Prices/Dealers ?

From: "Rich Garcia" <k4gps@bellsouth.net>
Date: Sun, 29 Dec 2002 14:26:22 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-112877-2002.12.29-14.10.08--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

```
While searching the web for a weather station finally I see that there are a
LOT of web based stores selling the same thing. Does anyone have a
suggestion for who seems to be the best dealer and price on the Davis
Weather stations ? I am torn between the WX-200 from Radio Shack for $399
(plus a 10% discount I get there) and stepping up to the Davis Vantage Pro
Wireless. I guess the Oregon Scientific is the same as the RS but I have not
checked which one would actually come out cheaper.

Rich K4GPS



---
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```

---

572. [aprssig] Re: APRS on 2.4 GHz??? groan..

From: "Brian Riley (maillist)" <n1bq_list@wulfden.org>
Date: Sun, 29 Dec 2002 18:05:50 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-112894-2002.12.29-17.51.52--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

```
On 12/26/02 17:13, "blitz" <blitz@macronet.net> wrote:

> Couple that with the lack of parts and the lack of knowledge in the
> upcoming areas of experimentation, and you'll see why its a dead issue.
> Sure you can still build a chirp generator for 40 meters and call it a CW
> transmitter out of an old TV set and some parts from Mouser, but who even
> knows how to send CW any more? From what I see in the reports, most
> licenses are bought now, not earned.

>From what I see in the reports Riley H is shutting those them down left an
right. I am both an ARRL and W5YI VEC and in the last three years I can tell
you that the several hundred hams we have licensed here in NWVT have
obtained their licenses the old fashioned way.

> ...Listening to some of the hams on that
> dying but nevertheless huge allotment of CW frequencies gives new light to
> the old Q-signal QLF....Its either that, or they're sending 300 wpm with
> their computer, and getting a 1 in 100 letter decode and wonder why no one
> wants to talk to them, or even decode their CQ for example. Most likely its
> because theyre running their killowatt into a 4 to 1 SWR and have to reset
> the computer after every sentence.

 Obviously you know very little about ham radio outside of your little
niche. QRP-L list has 3-5000 subscribers almost all of whom are active CW
ops. I figure about 3-5 more CW ops for each one on QRP-L ... that is a lot
of who! I dunno what parts of t he bands you  listen to but I can find nice
readable fists anytime I chose to indulge. As for high speed senders,
because of persistence your brain couldn't even begin to separate  300 wpm!
However there are more than a few very competent ops who can cruise at
40-50+ wpm without the help of any computer and do.

Steve spoke of innovators needing a thick skin when submitting ideas for
'peer review.' He is right, as fart as that goes ... but there is a vast
difference between  being a source of constructive criticism and being a
prophet of doom and gloom .... If you feel that way about ham radio, why on
earth would you wish to continue to be a ham? I mean ... It must be
revolting to your sensibilities to have to rub elbows with all those sloppy
fists and people with purloined licenses!




---
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```

---

573. [aprssig] GE MVP's

From: <n7zev@earthlink.net>
Date: Sun, 29 Dec 2002 18:14:37 -0800
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-112905-2002.12.29-21.00.38--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

```
I have severasl GE MVPs Xtaled for 144.39.They are available for $25.00 plus
shipping.
N7ZEV

---
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Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org
```

574. [aprssig] GE MVP's

From: <n7zev@earthlink.net>
Date: Sun, 29 Dec 2002 18:15:04 -0800
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-112906-2002.12.29-21.01.42--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

```
I have several GE MVPs Xtaled for 144.39.They are available for $25.00 plus
shipping.

N7ZEV


---
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Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org
```

575. [aprssig] Calls with "CWxxxx" ID

From: "John W.(Bill) Hays" <w0omv1@mchsi.com>
Date: Sun, 29 Dec 2002 20:42:34 -0600
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-112909-2002.12.29-21.28.33--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

```
I've missed out on how to determine who is sending them.

73,
Bill   w0omv


---
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```

576. [aprssig] Re: Calls with "CWxxxx" ID

From: "Dick Stanich" <dick@kb7zva.com>
Date: Sun, 29 Dec 2002 21:12:5
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-112912-2002.12.29-21.58.05--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

```
On 12/29/02, ""John W.(Bill) Hays" <w0omv1@mchsi.com>" wrote:
> I've missed out on how to determine who is sending them.
>
> 73,
> Bill   w0omv

Follow this link:

http://dhelms.mystarband.net/cwop.html

Dick, KB7ZVA
APRSWest

---
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```

577. [aprssig] Low current-draw mobile/base radio for mountaintop APRS?

From: "Casey Hicks" <casey@tenforward.com>
Date: Sun, 29 Dec 2002 19:22:15 -0800
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-112914-2002.12.29-22.10.18--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Hi everyone;

I have a possible APRS application that requires the need for a commercially-made mobile radio (or base capable of a 12-15V input) that has a receive current draw of 100 mA maximum with TX output power capable of a minimum of 4W. If there's something out there stock or that requires internal mods, please let me know about it - it would be greatly appreciated. It will be connected to KPC3+ units for mountaintop gap-filler RELAY digis at a couple solar/wind sites.

Please email me OFF THE LIST. Thanks.
Casey Hicks KJ7XE
kj7xe@arrl.net

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578. [aprssig] Re: Low current-draw mobile/base radio for mountaintop APRS?

From: "Casey Hicks" <casey@tenforward.com>
Date: Sun, 29 Dec 2002 19:55:08 -0800
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-112917-2002.12.29-22.43.13--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

An addendum to my inquiry:

I guess I should have been a little more specific. I'm looking for a mobile/base radio capabile of a RECEIVE current draw of 100mA. I can deal with the standard TX current draw (for 4-5 watts it's about an amp or so).

Casey KJ7XE
----- Original Message -----
From: "Casey Hicks" <casey@tenforward.com>
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Sent: Sunday, December 29, 2002 7:22 PM
Subject: [aprssig] Low current-draw mobile/base radio for mountaintop APRS?

> Hi everyone;
>
> I have a possible APRS application that requires the need for a
> commercially-made mobile radio (or base capable of a 12-15V input) that
has
> a receive current draw of 100 mA maximum with TX output power capable of a
> minimum of 4W. If there's something out there stock or that requires
> internal mods, please let me know about it - it would be greatly
> appreciated. It will be connected to KPC3+ units for mountaintop
gap-filler
> RELAY digis at a couple solar/wind sites.
>
> Please email me OFF THE LIST. Thanks.
> Casey Hicks KJ7XE
> kj7xe@arrl.net
>
>
>
> ---
> You are currently subscribed to aprssig as: casey@tenforward.com
> To unsubscribe send a blank email to leave-aprssig-842K@lists.tapr.org
> Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org
>
>
>

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579. [aprssig] Re: Low current-draw mobile/base radio for mountaintop APRS?

From: "Edward Caffray" <knight@dmcom.net>
Date: Sun, 29 Dec 2002 23:05:03 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-112918-2002.12.29-22.50.35--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

You might want to check out this link.
http://www.gpstracker.com/sr125.htm

It is a small no-frills radio that seems like it would be a good choice for
a low power remote station.

```
Input Voltage:          9 - 18 vdc, 12V Nominal
Current Drain:           9V     13V     18V
        Standby                         57ma    42ma    32ma
        Receive                 72ma    63ma    58ma
        Transmit                        1.8A    1.4A    0.9A
```

----- Original Message -----
From: "Casey Hicks" <casey@tenforward.com>
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Sent: Sunday, December 29, 2002 10:22 PM
Subject: [aprssig] Low current-draw mobile/base radio for mountaintop APRS?

> Hi everyone;
>
> I have a possible APRS application that requires the need for a
> commercially-made mobile radio (or base capable of a 12-15V input) that
has
> a receive current draw of 100 mA maximum with TX output power capable of a
> minimum of 4W. If there's something out there stock or that requires
> internal mods, please let me know about it - it would be greatly
> appreciated. It will be connected to KPC3+ units for mountaintop
gap-filler
> RELAY digis at a couple solar/wind sites.
>
> Please email me OFF THE LIST. Thanks.
> Casey Hicks KJ7XE
> kj7xe@arrl.net
>
>
>
> ---
> You are currently subscribed to aprssig as: knight@dmcom.net
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> Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org
>

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580. [aprssig] mcx100

From: Kevin Deckert <kdeckert@mercuryspeed.com>
Date: Fri, 27 Dec 2002 11:43:17 -0800
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-112920-2002.12.29-23.02.23--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

thanks all for including the mcx100 radio info on the list. I have been
looking for such info for a while our sar group inherited six of
them!!!!
ve7whk

---
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581. [aprssig] Re: Calls with "CWxxxx" ID

From: KC7ZRU - Tate <kc7zru@arrl.net>
Date: Sun, 29 Dec 2002 21:40:21 -0700

To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-112922-2002.12.29-23.26.21--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Color me blind I guess.

Some good info there on the CW stuff, but no where do I find a way to
link a CWxxxx number back to a person or contact point.

Be some handy info to find!

There's a CW station here in Casper (CW0882) that's showing up on the
'regular' APRS-IS feed, but seems he's not showing up on the APRSWXNET
feed - least not on any of the pages I found via your link there Dick.

Even more intriguing is the Q construct for CW0882's strings (qAX,
CW0882). Way I read it, it says it's going into the I-net via CW0882 (a
single station 'weather gate'). So I'm assuming he's simply connected to
one of the regular APRS servers someplace rather than your APRSWXNET
server.

Any fills?

73

Dick Stanich wrote:
>
> On 12/29/02, ""John W.(Bill) Hays" <w0omv1@mchsi.com>" wrote:
> > I've missed out on how to determine who is sending them.
> >
> > 73,
> > Bill   w0omv
>
> Follow this link:
>
> http://dhelms.mystarband.net/cwop.html
>
> Dick, KB7ZVA
> APRSWest
>

--
"The Dungeon" online at http://go.to/kc7zru
Casper, WY | CARC Repeater
DN62tt | 146.940-
http://www.trib.com/~carc

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582. [aprssig] Re: Calls with "CWxxxx" ID

From: "Russ Chadwick" <kb0tvj@peakpeak.com>
Date: Mon, 30 Dec 2002 05:16:18 -0000
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-112930-2002.12.30-00.02.29--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

I answered Bill's original question off-line, but perhaps I should have sent
the response to the list. Anyway, here's what I sent to Bill about how to
find out who the Citizens are who are contributing their weather data for
use by NOAA and other users.

On my web page, www.wxqa.com , there is a members list that you can do a
search on to find the name and location of the person. Then go to the maps
and display section and click on the state that the person is from and find
the CWxxxx in the list and you'll see several links to look at their data.
location, raw packets, etc, and you can send them an e-mail just by clicking
on the appropriate place.

Russ Chadwick   KB0TVJ
Boulder, Colorado
www.wxqa.com

----- Original Message -----
From: "KC7ZRU - Tate" <kc7zru@arrl.net>
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Sent: Monday, December 30, 2002 4:40 AM

```
Subject: [aprssig] Re: Calls with "CWxxxx" ID


> Color me blind I guess.
>
> Some good info there on the CW stuff, but no where do I find a way to
> link a CWxxxx number back to a person or contact point.
>
> Be some handy info to find!
>
> There's a CW station here in Casper (CW0882) that's showing up on the
> 'regular' APRS-IS feed, but seems he's not showing up on the APRSWXNET
> feed - least not on any of the pages I found via your link there Dick.
>
> Even more intriguing is the Q construct for CW0882's strings (qAX,
> CW0882). Way I read it, it says it's going into the I-net via CW0882 (a
> single station 'weather gate'). So I'm assuming he's simply connected to
> one of the regular APRS servers someplace rather than your APRSWXNET
> server.
>




---
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```

583. [aprssig] Re: Calls with "CWxxxx" ID

```
From: "Dick Stanich" <dick@kb7zva.com>
Date: Mon, 30 Dec 2002 2:5:29
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-112942-2002.12.30-02.52.56--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain
```

```
> Even more intriguing is the Q construct for CW0882's strings (qAX,
> CW0882). Way I read it, it says it's going into the I-net via CW0882 (a
> single station 'weather gate'). So I'm assuming he's simply connected to
> one of the regular APRS servers someplace rather than your APRSWXNET
> server.

I think you mean CW0822 in Casper.

CW0822>APRS,TCPXX*,qAX,CW0822:@300658z4252.00N/10620.43W_257/018g...t031L000P000h00b10069.DsVP

The CW0xxx users simply send data to APRS using special programs. Usually
anywhere from 5 to 15 min. intervals. They don't stay connected to any of
the servers. The qAX doesn't show which server he is connecting to. If I
enable the q trace at my server the packet would appear with path
information:

CW0822>APRS,TCPXX*,qAX,CW0822,APRSWestX:.......

We don't generally q trace packets, unless we are trying to determine the
cause of a problem with the feed, or looking for the source of bad packets.
In which case, the q path could get very long... as the packets hit
multiple servers.

We have 3 WX servers that do an excellent job error checking the CW0xxx
users, not to cause problems on the APRS IS feed. They are connecting to
no-echo client only telnet ports. They can only send data using one
connection from a single IP address and only one connection with any single
login is allowed at any time. Their connections are tagged TCPXX* as
unverified clients.

Should mention that this program for the CWOP's has been going strong for
over a year. Many Hams are also using these programs as a very effective
way to send WX data to the I-net, from their WX stations.

If your browser supports java, visit http://wx.kb7zva.com to get an idea as
to how many wx stations there are world-wide on APRS. It is a real-time map
display. This project from the start has been tons of fun.

Dick, KB7ZVA
APRSWest


---
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584. [aprssig] Re: Tiny Web Pages

From: "Chris van Gorp" <pd0rhm@amsat.org>
Date: Mon, 30 Dec 2002 2:8:5
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-112943-2002.12.30-02.54.14--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

On 12/26/02, ""Bud Talbot" <kb9wvg@arrl.net>" wrote:
> More fun with UIView- I loaded in the tiny web pages server add on from
PD0RHM. It works by referencing an overlay file upon query. Just to play,
I
loaded in .pos for a local hospital, police station, electronics store,
two
repeaters and a weekly net. A message sent to my home station of "??" will
return the command options (?HOSP, ?POL, etc.). A message sent with the
command line will post an object that can be navigated to. Very cool and
easy to use! It worked flawlessly with my D7.

Next time you are in southwest Houston (near Sugar Land), try it out!

73 de Bud
KB9WVG

The UI-View TWP server does not strictly follow the specs by Bob Bruninga,
but it does react on messages send to QDOS or QUERY.

Maybe the next version will be more strictly , but then I will need some
better documentation from Bob on the different file types and their
relation/function.

What I tried to accomplish is to allow only local queries (since the server
is for local information only).

Please let me know if there are problems / questions

Good luck with it.

73 Chris PD0RHM
http://home.kabelfoon.nl/~cvangorp

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585. [aprssig] Re: Calls with "CWxxxx" ID

From: KC7ZRU - Tate <kc7zru@arrl.net>
Date: Mon, 30 Dec 2002 01:48:49 -0700
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: TAPR APRS Special Interest Group <aprssig@lists.tapr.org>
Message-ID: <LYR842-112945-2002.12.30-03.34.49--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Yea - it's CW0882 in Casper.

OK - likely I'm not understanding how the 'Q' construct is working here.

If I look at a posit from any of the other stations (on RF) in the area,
they all indicate something like:

qAr,KC7ZRU*

I thought that meant that packet entered the APRS-IS via KC7ZRU. Since
that's the only I-gate in the local area I'm pretty confident my
assumption is accurate.

I assumed that qAX, CW0882 meant that packet entered the APRS-IS via
CW0882. That's the assumption that apparently is inaccurate.

Different question:

It was my understanding that since these stations are connecting via the
APRSWXNET server they weren't a 'normal' part of the APRS-IS traffic?
Going back to all those "Sea of Blue" posts from back when.

Now it seems they are? At least CW0882 'popped' up here a few weeks ago

```
for the first time. Maybe just a new station?

Or was my 'seems' simply messed up from the get go.

73

Dick Stanich wrote:
>
> > Even more intriguing is the Q construct for CW0882's strings (qAX,
> > CW0882). Way I read it, it says it's going into the I-net via CW0882 (a
> > single station 'weather gate'). So I'm assuming he's simply connected to
> > one of the regular APRS servers someplace rather than your APRSWXNET
> > server.
>
> I think you mean CW0822 in Casper.
>
> CW0822>APRS,TCPXX*,qAX,CW0822:@300658z4252.00N/10620.43W_257/018g...t031L000P000h00b10069.DsVP
>
--
        "The Dungeon" online at http://go.to/kc7zru
              Casper, WY    |    CARC Repeater
                DN62tt      |      146.940-
                 http://www.trib.com/~carc

---
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586. [aprssig] Re: Calls with "CWxxxx" ID

From: "James Wiles" <kk5wm@ncaars.org>
Date: Mon, 30 Dec 2002 6:37:22
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-112949-2002.12.30-07.23.22--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

```
On 12/30/02, "KC7ZRU - Tate <kc7zru@arrl.net>" wrote:
> OK - likely I'm not understanding how the 'Q' construct is working here.
>
> If I look at a posit from any of the other stations (on RF) in the area,
> they all indicate something like:
>
> qAr,KC7ZRU*
>
> I thought that meant that packet entered the APRS-IS via KC7ZRU. Since
> that's the only I-gate in the local area I'm pretty confident my
> assumption is accurate.
>
> I assumed that qAX, CW0882 meant that packet entered the APRS-IS via
> CW0882. That's the assumption that apparently is inaccurate.

Actually, that assumption is correct.  The Q construct is identifying the
i-gate or user which has transmitted the packet onto the APRS-IS, whether
it be a true i-gate or individual station.  In the case of the i-gate, it
is the i-gate that is logged into the APRS-IS server, so its call is shown
for all the packets that it gates.  In the case of the CWOP, that user's
station is logging in directly to the APRS-IS server, so its call is shown
instead of some other i-gate.  Essentially, the packet from CW0822 DID
enter the stream from CW0822.

>
> Different question:
>
> It was my understanding that since these stations are connecting via the
> APRSWXNET server they weren't a 'normal' part of the APRS-IS traffic?
> Going back to all those "Sea of Blue" posts from back when.

I believe that Dick has briefly touched on what the CWOP/APRSWXNET program
is, and the APRSWXNET webpage explains it in more detail.  It essentially
uses the APRS-IS to provide the NWS with additional, reasonably accurate
weather data from the "average Joe on the street", without having to go
through the more tedious reporting system they have had in place for years.
 It's a wonderful example of cooperation between hams, non-hams, and the
NWS.

The project that caused the "Sea of Blue" traffic is completely separate
from the CWOP program.  That project, APRSFIRENET
(http://www.aprsfire.net), now resides on its own server system separate
from the APRS-IS, and has in place some safeguards to help prevent the
```

re-occurence of that event.

I hope this answers at least some of your questions!

73,

james wiles KK5WM
White County, AR ARES/RACES EC
kk5wm@ncaars.org

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---

587. [aprssig] RE: Afilter problems

From: "James Wiles" <kk5wm@ncaars.org>
Date: Mon, 30 Dec 2002 6:48:29
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-112958-2002.12.30-07.34.29--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

I have experienced similar problems with AFilter 2.7.3. Whether connected
to an APRS-IS server or my UI-View server on my home LAN, after a period of
time AFilter quits receiving a feed, but remains in a connected state.
When I hit the disconnect button, I receive an "Invalid Pointer" message,
but can reconnect and continue until the next time. It usually happens
within 10 to 30 minutes.

I am also running it under WinXP Pro, on a PII 333 laptop with 320MB RAM.

james wiles KK5WM
White County, AR ARES/RACES EC
kk5wm@ncaars.org

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---

588. [aprssig] RE: Afilter problems

From: "Spider" <spider@rivcom.net>
Date: Mon, 30 Dec 2002 06:04:52 -0700
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-112959-2002.12.30-07.51.09--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

A new copy of Afilter has been uploaded to the main site.
www.wa6oft.com/dnld.htm

Version 276   Afilter276A.zip

I should note that it does not address the issue below...just a new version.
I run 3 or 5 (can't remember) Afilters of various versions and have not
experienced
the Invalid Pointer. It would be interesting to hear how you are set-up on
your network...firewall, etc.

Jim, WA6OFT

----- Original Message -----
From: "James Wiles" <kk5wm@ncaars.org>
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Sent: Monday, December 30, 2002 6:48 AM
Subject: [aprssig] RE: Afilter problems

> I have experienced similar problems with AFilter 2.7.3. Whether connected
> to an APRS-IS server or my UI-View server on my home LAN, after a period
of
> time AFilter quits receiving a feed, but remains in a connected state.
> When I hit the disconnect button, I receive an "Invalid Pointer" message,
> but can reconnect and continue until the next time. It usually happens
> within 10 to 30 minutes.
>
> I am also running it under WinXP Pro, on a PII 333 laptop with 320MB RAM.
>
> james wiles KK5WM

> White County, AR ARES/RACES EC
> kk5wm@ncaars.org
>
> ---
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> To unsubscribe send a blank email to leave-aprssig-842K@lists.tapr.org
> Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org
>
>
>

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589. [aprssig] SAFIR Digipeating

From: Bob Bruninga <bruninga@usna.edu>
Date: Mon, 30 Dec 2002 08:58:39 -0500 (EST)
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: "Keith O'Brien" <n4zq@hotmail.com>,
Amsat Bulletin Board <amsat-bb@AMSAT.Org>,
TAPR APRS SIG <aprssig@lists.tapr.org>
Message-ID: <LYR842-112963-2002.12.30-08.44.48--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

The good news about this is that 1200 baud APRS mobiles driving around can simply QSY their mobiles to 435.275 during a SAFIR pass and with no other configuration changes, will be digipeated by SAFIR. Now all we need is more IGates monitoring 145.825 for 9600 baud as well as 1200.

But, because the global APRS data base FINDU.COM cannot tell that the packets were digipeated by SAFIR, there is no way to build a dedicated web page unless we do something special.

Maybe if we set up the ground IGATES with the alias of SAFIR and have them digipeat, then the packets will contain the needed SAFIR* that FINDU.COM needs. The question is will the monitroing TNC digipeat the packet and include it "so marked" in the data stream? I think maybe not... Unless there is a command to change that...

de WB4APR

> "SAFIR-M (AATIS OSCAR-xx) is not a digipeater in the classical sense. The
> digipeater is only hardware, completely in a CPLD, i.e. without a
> microprocessor. Received HDLC frames are re-transmitted without any change on
> the format. So what KD4APP received from N4ZQ was in fact re-transmitted by
> SAFIR-M on RUBIN-2!!"

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590. [aprssig] Re: SAFIR Digipeating

From: James Jefferson <jjeffers@aprsworld.net>
Date: Mon, 30 Dec 2002 08:39:07 -0600
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: aprssig@lists.tapr.org
Message-ID: <LYR842-112965-2002.12.30-09.25.45--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Bob said:
> configuration changes, will be digipeated by SAFIR. Now all we need is
> more IGates monitoring 145.825 for 9600 baud as well as 1200.

One of the cool things about the userspace Linux (and solaris) soundmodem program is that you can run multiple decoders on a single input. So I could have the discriminator output from my rig fed into the sound card and have both a 1200 and 9600 baud decoder running on it. Each would be its own device (either an ax25 socket or a virtual servial port) and can therefore have its own instance of aprsd running on it.

-Jim KB0THN

```
---
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```

591. [aprssig] Re: [amsat-bb] SAFIR Digipeating

```
From: Bob Bruninga <bruninga@usna.edu>
Date: Mon, 30 Dec 2002 10:38:34 -0500 (EST)
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: Amsat Bulletin Board <amsat-bb@AMSAT.Org>,
       TAPR APRS SIG <aprssig@lists.tapr.org>,
       Steve Dimse K4HG <k4hg@tapr.org>
Message-ID: <LYR842-112972-2002.12.30-10.24.49--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain
```

```
> Maybe if we set up the ground IGATES with the alias of SAFIR and have them
> digipeat, then the packets will contain the needed SAFIR* that FINDU.COM
> needs.  The question is will the monitroing TNC digipeat the packet and
> include it "so marked" in the data stream?  I think maybe not...  Unless
> there is a command to change that...

If someone can confirm this works, then we can ask Steve Dimse to add
SAFIR* to the PCSAT web page as a simple way of capturing these packets
to a WEB page..

de WB4APR, Bob



---
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```

592. [aprssig] Re: Tiny Web Pages

```
From: "Gregg G. Wonderly" <gregg@skymaster.cytetech.com>
Date: Mon, 30 Dec 2002 09:57:54 -0600
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: TAPR APRS Special Interest Group <aprssig@lists.tapr.org>
Message-ID: <LYR842-112974-2002.12.30-10.43.57--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain
```

```
>Speaking of DIGI_NED, I'm currently preparing a single bootable floppy with
>the digi software and a configuration program to make initial setup
>extreemly easy. I'm currently testing a change to the driver so even a
>TH-D7 can be used as digipeater! That way all you need is a PC, cable and
>TH-D7 to setup an light weight full-featured battery operated
>emergency/special-event digi.

Henk, the U.S. version of the D7 doesn't transmit correctly formatted packets
(it transmits something, but I don't have the equipment to discover what) in
KISS mode.  So, are you going to just support WIDEN-n digi without callsign
substitution?  That is, if the path only contains WIDE2-2, KISS is not
necessary because you can rewrite the path to WIDE2-1 and retransmit it
without having to set the 'used' flag in the AX.25 header...

-----
gregg@cytetech.com  (Cyte Technologies Inc)



---
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```

593. [aprssig] Re: Tiny Web Pages

```
From: Henk de Groot <henk.de.groot@hetnet.nl>
Date: Mon, 30 Dec 2002 21:02:45 +0100
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-112983-2002.12.30-15.16.07--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain
```

```
Hello Gregg,

At 09:57 30-12-02 -0600, you wrote:
>Henk, the U.S. version of the D7 doesn't transmit correctly formatted packets
>(it transmits something, but I don't have the equipment to discover what) in
>KISS mode.  So, are you going to just support WIDEN-n digi without callsign
```

No, it uses the TH-D7E in KISS (sort off, it requires a lot of specific handling to keep it running...). The early E versions did not do KISS correctly (did not transmit at all). I have a small hope that the latest US versions also have a semi-working KISS, but I got mixed reports on that. I heard the same you just said but I also heard claims from others that it works. Best would be if somebody could test the different versions (or send me your US versions....).

If it is indeed sending something but wrong formatted then maybe it is possible to counter-act. If at least the TH-D7A(G) would work than that would also be a step.

Anyway, when I'm satisfied with the results on my TH-D7E 2.0 then I will make the stuff available. I think we will know soon enough which ones works and which one don't (if any...).

Kind regards,

Henk.

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---

594. [aprssig] Re: Calls with "CWxxxx" ID

From: "Dick Stanich" <dick@kb7zva.com>
Date: Mon, 30 Dec 2002 16:12:27
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-112994-2002.12.30-16.58.27--lyris.aprssig#tapr.org@lists.tapr.org>
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> Different question:
>
> It was my understanding that since these stations are connecting via the
> APRSWXNET server they weren't a 'normal' part of the APRS-IS traffic?
> Going back to all those "Sea of Blue" posts from back when.
>
> Now it seems they are? At least CW0882 'popped' up here a few weeks ago
> for the first time. Maybe just a new station?
>
> Or was my 'seems' simply messed up from the get go.
>
> 73

Fair question. Many CW0xxx users are hams like you and me. Some have got their ham tickets after being exposed to the things we do, as hams. I volunteered my server to handle a common place for them to reside. We now have 3 wx servers linked together to handle the traffic. I would find it hard to define what's 'normal'. What's normal is that the APRS IS works pretty much like the internet itself. It is unmanaged, and still works well. We have created tiering of the original concept. Not everyone wanted to see the same things. Level 2 (Tier 2) servers came along, and we added specialized ports that handled certain traffic, like regional zone servers (one of many, Sats etc.). Weather and the APRS IS seem to go together well in our hobby. Weather seems to be a primary asset to the APRS IS and amateur radio.

Dick

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---

595. [aprssig] FW: not quite APRS, but...

From: "Brian Riley (maillist)" <n1bq_list@wulfden.org>
Date: Mon, 30 Dec 2002 20:23:37 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-113015-2002.12.30-20.09.41--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

------ Forwarded Message
From: "Sara L. Riley" <sara@wulfden.org>
Date: Mon, 30 Dec 2002 20:10:56 -0500

To: "Brian B. Riley" <brianbr@wulfden.org>
Subject: not quite APRS, but...

Wis. Man Charged With High-Tech Stalking
Authorities Say Wisconsin Man Stalked Ex-Girlfriend With Global Positioning Device

The Associated Press

KENOSHA, Wis. Dec. 30 -
A man was charged Monday with stalking his former live-in girlfriend with help from a high-tech homing device placed under the hood of her car.

Paul Seidler, 42, was arrested during the weekend. On Monday, he was charged with stalking, burglary, second-degree reckless endangerment and disorderly conduct, and ordered held on $50,000 bail.

According to a criminal complaint, Connie Adams asked Seidler to move out of her apartment Oct. 25 after a three-year relationship. Prosecutors say he immediately began following her, including when she ran errands and went to work.

Investigators checked under the hood of Adams' vehicle and found a Global Positioning System that uses satellite and digital cellular technology to pinpoint a target's location.

Seidler's attorney did not return a telephone call Monday seeking comment.

A preliminary hearing was set Jan. 8.

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596. [aprssig] RE: FW: not quite APRS, but...

From: "Mark A. Foley" <na4v@cox.net>
Date: Mon, 30 Dec 2002 20:32:08 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-113017-2002.12.30-20.18.06--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

I feel another firestorm brewing on the sig...lol

Mark

-----Original Message-----
From: bounce-aprssig-27405@lists.tapr.org
[mailto:bounce-aprssig-27405@lists.tapr.org] On Behalf Of Brian Riley
(maillist)
Sent: Monday, December 30, 2002 8:24 PM
To: TAPR APRS Special Interest Group
Subject: [aprssig] FW: not quite APRS, but...

------ Forwarded Message
From: "Sara L. Riley" <sara@wulfden.org>
Date: Mon, 30 Dec 2002 20:10:56 -0500
To: "Brian B. Riley" <brianbr@wulfden.org>
Subject: not quite APRS, but...

Wis. Man Charged With High-Tech Stalking
Authorities Say Wisconsin Man Stalked Ex-Girlfriend With Global Positioning Device

The Associated Press

KENOSHA, Wis. Dec. 30 -

A man was charged Monday with stalking his former live-in girlfriend with help from a high-tech homing device placed under the hood of her car.

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According to a criminal complaint, Connie Adams asked Seidler to move out of her apartment Oct. 25 after a three-year relationship. Prosecutors say he immediately began following her, including when she ran errands and went to work.

Investigators checked under the hood of Adams' vehicle and found a Global Positioning System that uses satellite and digital cellular technology to pinpoint a target's location.

Seidler's attorney did not return a telephone call Monday seeking comment.

A preliminary hearing was set Jan. 8.

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597. [aprssig] Re: Calls with "CWxxxx" ID

From: KC7ZRU - Tate <kc7zru@arrl.net>
Date: Mon, 30 Dec 2002 19:20:56 -0700
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-113019-2002.12.30-21.06.59--lyris.aprssig#tapr.org@lists.tapr.org>
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Sure does james!

And thanks - my base assumption, that was inaccurate, was that all CW stations were part of the original sea of blue. They're not!

Cool and thanks to all those that answered privately, too. This SIG missed some good info.

73

James Wiles wrote:
>
> I hope this answers at least some of your questions!
>
> 73,
>

--
"The Dungeon" online at http://go.to/kc7zru
Casper, WY | CARC Repeater
DN62tt | 146.940-
http://www.trib.com/~carc

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598. [aprssig] Domain change for AHubEast...to APRSEast

From: "Mark A. Foley" <na4v@cox.net>
Date: Mon, 30 Dec 2002 21:36:16 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-113021-2002.12.30-21.22.19--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

To fall in line with the other java-based Tier 2 APRS IS servers, I have changed the domain name of ahubeast.net to aprseast.net. In addition, I have changed my port configurations to mirror APRSWest/APRSCA....

aprseast.net:10152 ;Full APRS Feed - Main Port (Bidirectional)
aprseast.net:10151 ;Full APRS Feed - With history dump - Read-Only
aprseast.net:1313 ;Link Port - Full Feed - Read Only - Data is shared between Servers (by invite only)
aprseast.net:1314 or 2023 ;Full APRS Feed - Message Only (Bidirectional)
aprseast.net:14580 ;APRSEASTR Eastern States Regional (Bidirectional Messages Only)
aprseast.net:14579 ;APRSEASTR Eastern States (Bidirectional Eastern Calls ONLY)

CWOP/Weather Server (No IGates Please) These ports are not Bidirectional

aprseast.net:23 ;APRSWESTX CWOP/WX Primary Server
aprseast.net:2323 ;Read-Only Data

...more information can be found on my website....

Mark A. Foley, NA4V
www.na4v.com

---
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599. [aprssig] Re: UI-View32 Has Come of Age

From: "hasan schiers" <schiers@netins.net>
Date: Tue, 31 Dec 2002 07:09:14 -0600
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: "TAPR APRS Special Interest Group \(E-mail\)" <aprssig@lists.tapr.org>
Message-ID: <LYR842-113058-2002.12.31-07.55.26--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Hi Wes,

You need Pmap 5.x. Version 3 won't work. Go to Roger's site and follow the links. Also, install EXACTLY the way he indicates. He went to a lot of trouble to have things work right. Then people go off and "do their own thing", end up with a mess and we spend day after day trying to fix the problems on the list. <g> I think you should post a message on the ui-view32 list, indicating that you installed PM 3, exactly what steps you took when doing it. I think you are going to have a bit of a clean-up problem left. Start your message with:

"I made a mistake and tried to get UI-View32 to work with PM 3.x. I did the following things:

a.
b.
c.

Obviously, I need version 5.x. What cleanup work do I need to do, to successfully "get back to a vanilla install"? I may or may not install PM 5.x, so if there is leftover junk from my goofed up install, please tell me how to clean it up."

The link to purchase Precision Mapping 5.x is on Roger's site. That's where I got mine.

There are MANY more things about UI-View32 that you will end up liking. The add-ins are amazing.

We are in the process of converting most of the main aprs users in central Iowa to UI-View32 for the smart digi capabilities. This will allow us to service the WIDEn-n and TRACEn-n travelers as they move through Iowa because UI-View32 has internal support (with TNC in KISS mode) for:

1. Multiple Aliases
2. WIDEn-n
3. TRACEn-n

So far we have had not one person who has changed to UI-View32 be unhappy. Per my other post, it's fast, efficient, SUPER STABLE and supported extremely well. (and it's cheap!).

The UI-View mailiing list is very helpful. It's focus is UI-View32 and NOT theoretical nit-picking.

p.s. I can't emphasize enough READ AND FOLLOW THE INSTRUCTIONS. Roger has gone to great lengths to help people get started successfully. The example comes to mind that ONLY PM 5.x is supported. This warning is in the PM Map and PMap Server sections of the instructions on the web page. The UHE problem isn't "real"...it is produced by doing exactly what the instructions say not to do. <VBG>

p.p.s. You aren't stuck...you just have to use different maps that you can still get for free. (READ THE INSTRUCTIONS) If you wan't dynamically zoomable maps, you need PM 5.x. If that isn't necessary, you can use all sorts of maps.

If you're still confused, come to the ui-view list and post a series of questions. I'm certain you will get good answers.

...hasan, N0AN

----- Original Message -----
From: "Wes Johnston" <wes@johnston.net>
To: "hasan schiers" <schiers@netins.net>
Sent: Monday, December 30, 2002 9:45 PM
Subject: Re: [aprssig] UI-View32 Has Come of Age

> I registered and am now playing with UIview. Was hoping to get pmap
> running, but I suspect that since I only have pmap3.0, i'm stuck. Got an
> unhandled exception when i installed uiview for pmap and tried to run it.
> Does pmap have to be installed for that version to work? Does it *have to
> be* pmap5? Do you know where I can get a copy of pmap5?
>
> Looking foward to something to replace winaprs... heck I may even offer to
> pay the local igate operators to buy into uiview to get away from a mic-e
> bug in winaprs that hoses my posit at home EVERY SINGLE TIME.
>
> Thanks
> Wes
>

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600. [aprssig] For what it's worth.... winaprs IGATE

From: wes@johnston.net
Date: Tue, 31 Dec 2002 07:04:48 -0800 (PST)
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-113066-2002.12.31-09.50.56--lyris.aprssig#tapr.org@lists.tapr.org>
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I usually don't slam anyone or any software on the sig and try to always sound optimistic, so you have got to understand how angry this has me to cause me to write this. If anyone can correct any of my facts, please, please do so. I really hope I'm not off on a rant here!

Since moving to a house which is just slightly west of 84°23' , I have noticed a bug in winaprs. My kenwood radio sends a mic-e position report on the air and it bounces along happily on RF. It's even displayed properly in winaprs when received off the air. Winaprs for some reason translates the mic-e packet (legacy support for mic-e illiterate aprs clients?) to an uncompressed aprs packet.

for example:

```
KD4RDB-14>SSUT3R,KD4HTW-9*,WIDE,WIDE2-2,qAS,KD4HTW-2:'lD>o^%v/]"5)}
```

becomes

KD4RDB-14>APK101,KD4HTW-9*,WIDE,WIDE2-2,qAS,KD4HTW-2:@311152z3354.31N/08040.33Wv209/036/Mic-E/M0/Off duty>o^%v/]"5)}

The problem comes when the translated copy of the packet is put on APRS IS. The translated copy moves the position of the station west about 0.2 mile. This is not just a phenominon at 84°23'w... I have heard complains about it all across the USA. I am unsure as to the boundaries of this error. It could be that it's just a problem from xx°23'w to xx°25'w. I don't know. What I do know is that most of the time, the translation works fine, but in the case near my house (ie certain longitudes) it does not. This problem is repeatable. I have watched my van using aprs SA, parked in my yard TX its posit and appear correctly in the yard. As the posit propogates thru the system, eventually, it ends up on APRS IS, and my same copy of aprsSA, the posit of my van suddenly jump .2mile to the west as the garbled posit comes down from the aprs serve feed. The QaS structure was a great help in tracking this problem down.

WinAPRS is a popular program run my many folks providing IGATE services. Because there is no way for the users to turn off this translate function, we are stuck with broken software. I am no longer running winaprs. I switched to aprsSA about a year ago b/c of this problem (and just started tinkering with UI-View). The problem is that my posit is relayed to the internet by other winaprs stations which I have no control over and those positions are in error. Because they are far away from me, the packets arrive after my good igated packet positions, and findu is stuck with the last report being bad.

I have personally written the Sprouls about this and got NO RESPONSE at all - not even a "thank you for your concern" email. I have railed about this on the aprs sig on three occasions in the past year and had offers from kd4htw (my nearest IGATE neighbor) and others to do whatever he/they needed to do to help.... still no fix from the sprouls. The really silly thing here is that all it takes to fix this problem is to just turn off the translater. It doesn't even have to be fixed... just turn it off.

What I'm asking is for people to consider using other IGATE software since it is appearant winaprs isn't going to get fixed. For many users, Aprs SA has the disadvantage of not displaying icons on the map. It has the BIG advantage of Brent's terrific support. UI-View must be registered to work with precision mapping 5, but allows for dynamic zooming as needed and has beautiful icons and only costs $16 to register. Both of these programs are loaded with bells and whistles.

73
Wes

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601. [aprssig] Re: [CarolinaAPRS] For what it's worth.... winaprs IGATE

From: wes@johnston.net
Date: Tue, 31 Dec 2002 07:10:48 -0800 (PST)
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-113068-2002.12.31-09.57.05--lyris.aprssig#tapr.org@lists.tapr.org>
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Mistake already... my house is west of 80°23'w not 84°23'w as listed in the earlier post.... was in atlanta this weekend, and got used to seeing 84 longitude... whoops.

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602. [aprssig] Maritime Charts

From: ERIC CHRISTENSEN <christensene@mebtel.net>
Date: Tue, 31 Dec 2002 10:25:18 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-113073-2002.12.31-10.11.24--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Is anyone familiar with any Maritime Charts available that could be used with UI-View?

Thanks,
Eric KF4OTN

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Questions regarding the SIG go to the SIG administrator: wa1lou@tapr.org

603. [aprssig] Re: For what it's worth.... winaprs IGATE

From: Steve Dimse <k4hg@tapr.org>
Date: Tue, 31 Dec 2002 10:27:05 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: TAPR APRS Special Interest Group <aprssig@lists.tapr.org>
Message-ID: <LYR842-113074-2002.12.31-10.13.15--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

On 12/31/02 at 7:04 AM wes@johnston.net sent:

>The problem comes when the translated copy of the packet is put on APRS IS.
>The translated copy moves the position of the station west about 0.2 mile.
>This is not just a phenominon at 84°23'w... I have heard complains about it all
>across the USA. I am unsure as to the boundaries of this error. It could be

This has been explained many times on the SIG....this is the error which originally led to the erroneous conclusion that the APRS IS mangled non-printing characters.

The problem is not, to the best of my knowledge, within WinAPRS...it is between the TNC and the Sprouls code. Apparently some TNC's filter these characters, if there is a parameter controlling this, at least in the Kantronics TNCs.

This error does not occur on all WinAPRS installations, and it occurs in other programs as well. It also is not a problem inherent to the conversion, though different conversion algorithms produce different errors, but all will produce an error when a character is eaten.

For the record, I asked the Sprouls about 18 months ago to remove the conversion, because it is not needed or useful.

Steve K4HG

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604. [aprssig] Re: For what it's worth.... winaprs IGATE

From: "Dick Stanich" <dick@kb7zva.com>
Date: Tue, 31 Dec 2002 9:58:17
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-113079-2002.12.31-10.44.20--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Slam away! You are correct, that bug has been in Winaprs for years. I first noticed it when a friend bought a D700 for his mobile. My WinAPRS IGate put him all over the place. WinAPRS never got fixed, for whatever reason's. Yes, the issue is support.

As a result, hams have migrated to other programs that work. I migrated to UI-View months ago... from my 'support experience' with Roger, I can say it's first class. He has a support forum with over 1,800 users. He answers 'ALL' questions, and does it like you are part of his family. His answers are direct, to the point and easy to understand. If there is a bug in his program, it gets fixed!

Recently he added PMap support, NWS Shapefiles for us 'colony' users <g>. In my opinion, there is nothing better than UI-View if you run an IGate, compared to WinAPRS. I could come up with a whole list of differences. I have never seen a single 'Unhandled Exception Error' in UI-View <g>.

I've also heard good reports on a few other programs. There are some good choices out there, with great support. I'm sure we will hear about them.

Migrate to what works best for you, and enjoy the hobby.

Happy New!

Dick, KB7ZVA
APRSWest
http://kb7zva.com

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605. [aprssig] OT: Trunk-Lip Mounted Antenna Info Please

From: "Brian P. Mileshosky" <n5zgt@swcp.com>
Date: Tue, 31 Dec 2002 10:29:50 -0700
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-113085-2002.12.31-12.18.36--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Hi All,

I am interested in purchasing a trunk-lip-mounted antenna, such as a Diamond or Comet antenna. I have a few questions with regards to the actual trunk mount, and if you use such a mount, would you please respond to my questions via email? The type of mount I am referring to is the one that attaches to the lip of the trunk -- it kinda slides on over the metal and is secured by set screws from below (no holes are needed on the car).

-- How do you like a trunk mount?

-- How well does it remain secured tightly after driving around town, or at high speeds on the freeway?

-- Is there a problem with water stains (mineral deposits, etc.) around the area of the mount that is over your paint job? I get those annoying rings when it rains here in New Mexico (yes it does that here...even snows!) and I leave my mag-mount on the car...takes a long while to get rid of them.

-- Any other comments on your trunk-lip mounted antenna?

73,
Brian, N5ZGT
____
Amateur Radio Station N5ZGT - N5ZGT PBBS, 145.01 MHz
ARRL Life Member, NorCal #1700 QRP-L #580 AK/QRP #125

Boy Scouts of America - Eagle Scout 12/6/96 - ASM, Troop 85
Vigil Honor Member, O.A. Lodge 66 Yah-Tah-Hey-Si-Kess

Please visit my site at http://www.unm.edu/~brianm
____

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606. [aprssig] RE: aprssig digest: December 29, 2002

From: "Gilson, Ron" <RGilson@ecmc.edu>
Date: Tue, 31 Dec 2002 13:23:02 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-113094-2002.12.31-13.09.16--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Any one got an idea on how to output data from a land line caller ID box to a computer running XP and Excel?

Thanks
Ron WA2WWK

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607. [aprssig] Mobile Satellite Ops this week.

From: Bob Bruninga <bruninga@usna.edu>
Date: Tue, 31 Dec 2002 13:57:44 -0500 (EST)

To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: TAPR APRS SIG <aprssig@lists.tapr.org>
Message-ID: <LYR842-113097-2002.12.31-13.43.52--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

PCsat is still going strong and for the next week is seeing 5% more sun
than it has for the last month...

Mobile/FM Satellite Pass Periods for the week of 12-31-2002

```
Sats 06 07 08 09 10 11 12 13 14 15 16 17 18 19 20 21 22 23 00 01 02 03
---- -- -- -- -- -- -- -- -- -- -- -- -- -- -- -- -- -- -- -- -- -- --
AO27  ***********                      ***********
UO14     **********                       ***********
ISS  ********************                                          ***
UO22 ****                       **********
PCSAT****                              **************           ******
AO-7     ********** ** *               ** ******* ** **
Note:  Times are LOCAL SUN TIME for MID Northern Latitudes.
```

SOUTHERN Hemisphere pass times:

```
Sats 06 07 08 09 10 11 12 13 14 15 16 17 18 19 20 21 22 23 00 01 02 03
---- -- -- -- -- -- -- -- -- -- -- -- -- -- -- -- -- -- -- -- -- -- --
AO27 *********                             **********
UO14  **********                              **********
AO16    ***********                            ***********
ISS                           ********************************
UO22                               **********                       **
PCSAT************             *************
AO-7   ** ********                          * *************
Note:  Times are LOCAL SUN TIME for MID Southern Latitudes.
```

```
SAT  CALL     UPLINK                 DONWLINK              MODE       Altd
---- -------  ---------------------  -----------------  -  ---------- ----
AO-7          145.9  -432.15    LSB  145.97 29.502 USB  B  Analog     1450
AO10          435.03 -435.18    LSB  145.975-.825  USB  B  Analog     9000
UO11          none              ..   145.825       AFSK V  1200 ASCII  650
AO40          435.700           LSB  145.898       USB  B  Beacon     9000
ISS           144.49            FM   145.800       FM   V  Voice       370
ISS  RS0ISS   145.99            FM   145.800       AFSK V  1200 bd     370
RS13          145.96 -145.99    LSB   29.460-.50   USB  A  Analog      950
UO14          145.975           FM   435.070       FM   J  Voice       790
RS15          145.858-145.898   LSB   29.380 cntr  USB  A  Analog     2000
AO16 PACSAT-1 145.90,92,94,96   Man  437.051       USB  J  1200 PSK    810
LO19 LUSAT-1  145.84,86,88,90   Man  437.126       USB  J  1200 PSK    805
IO26 ITMSAT-1 145.875,90,925,95 Man  435.822       USB  J  1200 PSK    810
FO20          145.900-146.000   LSB  435.800-.900  USB  J  Analog     1300
FO29          145.900-146.000   LSB  435.800-.900  USB  J  Analog     1050
FO29          145.85,87,91      FSK  435.910       FSK  J  9600 JD    1050
UO22 UOSAT5   145.900           FSK  435.120       FSK  J  9600 BBS    760
KO25 HL02     145.980           FSK  436.502       FSK  J  9600 BBS    760
AO27          145.85    inop    FM   436.798       FM   J  Voice days  810
SO41          145.85            FM   436.775       FM   J  Voice       790
OPAL KF6RFX   437.100           FSK  437.100       FSK  U  9600 digi   815
NO44 W3ADO-1  145.825 days only AFSK 145.828       AFSK V  1200 bd     805
STARSHINE     145.825   inop    FSK  145.825       FSK  V  9600 bd     440
NO45 KE6QMD   145.945 beeps onlyAFSK 437.095       AFSK J  1200 bd     804
```

AO-7 is not an FM satellite, but I included it here because of its
popularity...

de WB4APR, Bob

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608. [aprssig] findU status

From: Steve Dimse <k4hg@tapr.org>
Date: Tue, 31 Dec 2002 14:04:07 -0500

To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-113098-2002.12.31-13.50.12--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

All functions, other than email, are being handled by the backup server. The primary computer's name server is shut down, and the web server just displays an error message. So far I've only had a couple of minor problem reports, which are fixed. If you are experiencing problems please let me know.

Steve K4HG

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---

609. [aprssig] DIGI_NED floppy V1.0

From: Henk de Groot <henk.de.groot@hetnet.nl>
Date: Tue, 31 Dec 2002 17:02:41 +0100
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-113103-2002.12.31-13.59.58--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Hello,

With great pleasure I announce the availability of the first boot-floppy distribution of DIGI_NED. At this time the software is stored on my own page as this was the most simple to do now. Maybe it will move to the main digi_ned site later.

Address: <http://www.homepages.hetnet.nl/~pe1dnn>

This disk is meant to be able to quickly deploy digis and to give a quick start to those that want to get started with DIGI_NED. Its using DIGI_NED 0.3.3, but does not contain the full distribution! For that download the package from the main digi_ned site.

Its experimental (as this is the first release :-)). I tested this at home but of course there are more configurations than I can make and verify myself. If there are problem's please inform me.

This floppy includes a new version ax25_mac that is capable of handling the TH-D7 TNC in KISS (if the TH-D7 supports it). It works fine with the TH-D7E V2.0 now. I hope to received reports if it works with the US versions too.

Good luck, this definately the last software I am releasing this year!
Happy new year and best whishes!

Kind regards,

Henk.

Info.txt:

About this software:

The enclosed DIGIFLOP.EXE is a self extracting 1.44 Mb disk image, build with a Freeware program called "DI" which can be found on the disk after creation. Use a fresh formatted 1.44 Mb floppy for this (format a: /U)!

After creation of the disk you will have a bootable DISK with a complete DIGI_NED digipeater. As DOS Caldera DR-DOS 7.03 is used; this version of DOS is free for non commercial personal use. Read LICENSE.TXT, please respect Caldera's License. Also read README.TXT on the disk.

After booting the first time a configuration screen appears. You can fill this in. Navigation is done with TAB and Shift-TAB and function keys. F3 gives help on a field. You can choose 16 different predifined configurations.

You can also make customized floppies by editing DNCONFIG.INI and making a matching "RUN.BAT" (in the DIGI_NED directory). You can make your own disk-image with the included disk image tool.

After configuration the DIGI_NED files are copied to Ramdisk, this is also done after a reboot. For this to work your PC shall be at least a 286 with 1 Mb memory.

Don't be alarmed if files seem to be copied to "C:", it just means that the Ramdisk was created as "C:" because your harddisk was not recognized; Caldera

DR-DOS does not understand FAT32 disks. If you have many harddisks and even use drive "F:" then you should be carefull, the floppy checks from "F:" down to "C:" to find the ramdisk. If not sure make a backup copy of your "\Autoexec.bat", "\Config.sys" and "\Command.com" files, that are most likely the only ones that are overwritten should the software use your harddisk instead of the ramdisk.

This floppy includes a new "AX25_MAC" driver. It is possible to use a TH-D7 as digipeater, that is if the TH-D7 understands KISS like the TH-D7E V2.0 does. I don't know if it works with the US TH-D7's, try at your own risk.

This specific THD7 driver knows about the limitations of the TH-D7 and tries to avoid hangups. There is a build-in watchdog that tries to recover from TNC hangups if they occur. For my TH-D7E V2.0 this works fine. Please note that this is experimental code, so if you have problems please report.

During operation you may notice that the TH-D7 is reinitialized. There are 2 possible reasons for this:

- The TNC hangs and does not send any RX data anymore, this is the build-in recovery procedure
- There is just no RX data and the internal watchdog runs off, this happens when there is low traffic. Initialisation takes about 3 seconds and since it is low traffic anyway this is I think acceptable (and there is just no other option...).

There is no sofisticated way to know if the TNC hangs so the drives watches if still data is received after it did a transmission. The away the driver is now it was possible to run for one day without any TNC hangup (disabled the watchdog and looked if it kept running). Watchdog time is 30 seconds after the last transmission.

If you use KISS, then the software will put the TNC in KISS mode. It will try different methods; first the method for the TheFirmware/WA8DED, then "KISS ON" followed by "RESTART" and finaly "KISS ON" followed by "RESET". Be sure not the switch on the TNC on half way during this process as "RESET" will wipe all information in the TAPR TNC-2. In the normal sequence this is not a problem since by the time the RESET is reached the TNC is already in KISS and ignores it.

If you TNC remembers KISS mode and you want to get it out of KISS again, use:

```
.\kissinit -PCOM1 -K
```

(for COM1, for documentation of KISSINIT look in the KISS directory on the floppy disk)

If you want to run the configurator again, remove DNCONFIG.BAT from the root directory of the floppy and reboot.

This is as out-of-the-box it gets! Good luck!

Kind regards,

Henk - PE1DNN

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610. [aprssig] Re: [CarolinaAPRS] For what it's worth.... winaprs IGATE

From: "Phil Pacier, AD6NH" <ad6nh@arrl.net>
Date: Tue, 31 Dec 2002 14:2:6
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-113116-2002.12.31-14.48.09--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

On 12/31/02, "wes@johnston.net" wrote:
> Mistake already... my house is west of 80=B023'w not 84=B023'w as listed in=
> the
> earlier post.... was in atlanta this weekend, and got used to seeing 84
> longitude... whoops.

Well, I was unaware of this error, but the biggest complaint I have about it is
the number of extra packets that get sent to the RF network. Here in

Southern
California, it is a large problem. There is one WinAPRS station down in
the Long Beach area that is not even an IGate, but is connected to both the
internet and RF. When I travel around the L.A. basin using my TH-D7, I'll
hear my position packet repeated between 6-10 times. I set up some logging
software awhile back to trace the packets, and I found this station sending
out the translations at WIDE2-2 (which in L.A. means that 6 or more digis
could pick up the transmission). Add my name to the list of registered
WinAPRS users that emailed the Sprouls about this problem.

Phillip Pacier - AD6NH
http://www.aprsca.net

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---

611. [aprssig] Re: OT: Trunk-Lip Mounted Antenna Info Please

From: "Don" <kyham@alltel.net>
Date: Tue, 31 Dec 2002 16:07:56 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-113117-2002.12.31-15.55.08--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

I have both a Diamond and Comet. Never had a bit of trouble with either
one. One of them is a model 600. Not sure which but it is really raining
hard and I'm not going out just to check. The other has more adjustments
but not as nice looking. The one that has more adjustment has the Yaesu
ATAS antenna while the 600 has a 4 band Diamond antenna.

Don   K9SOA   (EM77EX)
HF-2m-70cm-APRS
www.k9soa.net

Home of JEANNIE
The House That Listens
As seen on HGTV's Dream Builder Show
and the Featured Home of the Month
Home Automation magazine
March 2002 issue

----- Original Message -----
From: Brian P. Mileshosky <n5zgt@swcp.com>
To: TAPR APRS Special Interest Group <aprssig@lists.tapr.org>
Sent: Tuesday, December 31, 2002 12:29 PM
Subject: [aprssig] OT: Trunk-Lip Mounted Antenna Info Please

> Hi All,
>
>   I am interested in purchasing a trunk-lip-mounted antenna, such as a
> Diamond or Comet antenna. I have a few questions with regards to the
actual
> trunk mount, and if you use such a mount, would you please respond to my
> questions via email? The type of mount I am referring to is the one that
> attaches to the lip of the trunk -- it kinda slides on over the metal and
is
> secured by set screws from below (no holes are needed on the car).
>
> -- How do you like a trunk mount?
>
> -- How well does it remain secured tightly after driving around town, or
at
> high speeds on the freeway?
>
> -- Is there a problem with water stains (mineral deposits, etc.) around
the
> area of the mount that is over your paint job? I get those annoying rings
> when it rains here in New Mexico (yes it does that here...even snows!) and
I
> leave my mag-mount on the car...takes a long while to get rid of them.
>
> -- Any other comments on your trunk-lip mounted antenna?
>
> 73,
> Brian, N5ZGT

```
>   ________________________________________________________________
>    Amateur Radio Station N5ZGT - N5ZGT PBBS, 145.01 MHz
>    ARRL Life Member, NorCal #1700 QRP-L #580 AK/QRP #125
>
>    Boy Scouts of America - Eagle Scout 12/6/96 - ASM, Troop 85
>    Vigil Honor Member, O.A. Lodge 66 Yah-Tah-Hey-Si-Kess
>
>    Please visit my site at http://www.unm.edu/~brianm
>   ________________________________________________________________
>
>
>
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>
```

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---

612. [aprssig] Re: OT: Trunk-Lip Mounted Antenna Info Please

From: "Mike Yetsko" <myetsko@insydesw.com>
Date: Tue, 31 Dec 2002 17:10:11 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Message-ID: <LYR842-113119-2002.12.31-16.56.03--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

Hmm, this is 'generic' enough that I'll post here too...

>   I am interested in purchasing a trunk-lip-mounted antenna, such as a
> Diamond or Comet antenna. I have a few questions with regards to the
actual
> trunk mount, and if you use such a mount, would you please respond to my
> questions via email? The type of mount I am referring to is the one that
> attaches to the lip of the trunk -- it kinda slides on over the metal
and is
> secured by set screws from below (no holes are needed on the car).

I've used trunk mounts for years. I have a Diamond dual-band (the 770
in chrome with foldover and the NMO mount, I forget the actual model
number) on my Intrepid now. Love the antenna!

> -- How do you like a trunk mount?

It's ok. If you don't want to drill but want a 'secure' mount, it's a
good
choice.

> -- How well does it remain secured tightly after driving around town, or
at
> high speeds on the freeway?

I've never tightened mine now in maybe 6-7 years. (A 93 Intrepid, put on
probably about 1995.) In the past I've had other trunk mounts, and I've
never had to retighten one of those, ever. The key is they have to be put
on tight to begin with. All the ones I've used the 'bottom setscrews' all
have to 'bite' through the paint into the metal and be quite snug.

> -- Is there a problem with water stains (mineral deposits, etc.) around
the
> area of the mount that is over your paint job? I get those annoying
rings
> when it rains here in New Mexico (yes it does that here...even snows!)
and I
> leave my mag-mount on the car...takes a long while to get rid of them.

Well, seeing as how it will be years till I take it off... yes, it WILL
be
discolored. But then, that's the price you pay.

> -- Any other comments on your trunk-lip mounted antenna?

One thing people tend NOT to check is when the trunk is open! If
your trunk rises to the point that something 'straight up' on the deck
can hit the rear window....   BE CAREFUL OF CLEARANCES!!

Another issue. I had a Dodge Daytona a few years ago. I went to
mount a trunk lip mount on the top of the hatch. It wouldn't work.
The problem was the hinge. The top lip of the hatchback actually
dropped DOWN as the hatch went up! No clearance at all for
the mount!

CHECK things where you plan on mounting BEFORE you start
actually trying to mount it. After you shatter the rear window or
bind, bend, and scrape the rear deck is NOT the time to mutter
"Opps, I should have thought of that!"

Mike

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---

613. [aprssig] For what it's worth.... winaprs IGATE

From: William & Sonnie Schafer <schaferbs@mail.riverview.net>
Date: Tue, 31 Dec 2002 23:35:52 -0500
To: "TAPR APRS Special Interest Group" <aprssig@lists.tapr.org>
Cc: aprsplus@k8sn.org
Message-ID: <LYR842-113136-2002.12.31-23.31.54--lyris.aprssig#tapr.org@lists.tapr.org>
Rendered body type: text/plain

You Said: For many users, Aprs SA has the disadvantage of not displaying
icons on the map. You must go to the middle tool bar (MAPS, TRACKED,
CUSTOM, WX). Click on the down arrow beside the MAPS Tab. When the drop
down shows click on "Views" then click on "Icons" This will turn on
Icons. It should be noted that if you move the map or change the
magnification the Icons will not reappear. Hope this helps. Happy New
Year. 73 de KC8DRE Bill

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